



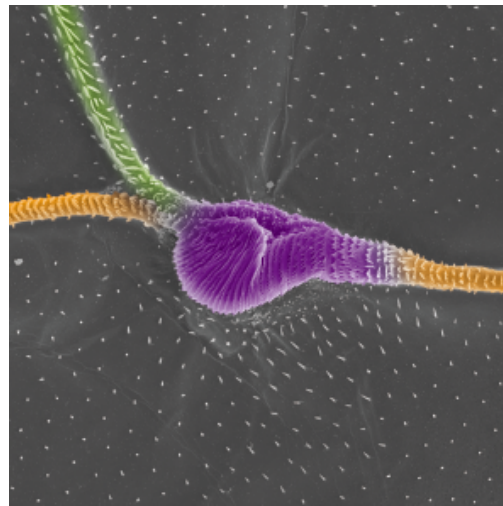
Title	Psocid News : The Psocidologists' Newsletter
Author(s)	Yoshizawa, Kazunori
Doc URL	http://hdl.handle.net/2115/35519
Type	other
Note	edited by Kazunori Yoshizawa at the Systematic Entomology, Faculty of Agriculture, Hokkaido University
Additional Information	There are other files related to this item in HUSCAP. Check the above URL.
File Information	021 PN_21.pdf (No. 21 (Feb. 28, 2019))



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Psocid News

The Psocidologists' Newsletter



No. 21 (Feb 28, 2019)
Stigmatophraxis of *Manicapsocus alettae* (Electrentomidae)
(© Naoki Ogawa: See Ogawa & Yoshizawa, 2018a)

AUTHORITIES FOR CURRENTLY USED NAMES OF PSOCID TAXA AT RANKS ABOVE THE FAMILY-GROUP (INSECTA: PSOCODEA: 'PSOCOPTERA')

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Introduction

Though the International Code of Zoological Nomenclature only regulates the names of taxa in the family-group, genus-group and species-group (ICZN 1999, Article 1.2.2), it is often useful to know the authorship of names proposed for taxa at ranks above the family-group. There are no constraints concerning historical priority of these names. However, it may be useful to list the most frequently used names in a given classification of an animal group, indicating their authorship and the bibliographical references of their first publication.

The following alphabetical list contains all names currently used in the generally accepted classification of psocids (see Lienhard & Smithers, 2002), or proposed in more recent modifications of this classification which are documented by Lienhard (2016, 2012–2018). The bibliographical references [author(s), year, page] correspond to the first publication of the name. The concept of the taxon concerned may have been considerably modified subsequently by the original author or by other authors using the same name. If the presently used spelling differs from the original spelling the latter is indicated in parentheses.

PSOCODEA Hennig, 1966: 187. Note: Hennig (1966) used the name Psocodea for the first time as an order name, in the same sense as it is presently used (Yoshizawa & Johnson, 2006).

List of currently used names of psocid ('Psocoptera') taxa at ranks above family-group

Amphientometae Pearman, 1936: 60
Archipsocetae Yoshizawa, 2002: 372
Atropetae Pearman, 1936: 59
Caeciliusetae Pearman, 1936: 60 (Caeciliietae)
Epipsocetae Pearman, 1936: 60
Homilopsocidea Pearman, 1936: 60
Nanopsocetae Pearman, 1936: 59
Philotarsetae Yoshizawa & Johnson, 2014: 729
Prionoglaridetae Smithers, 1972: 337 (Prionoglaretae)
Psocathropetae Pearman, 1936: 60 (Psocatropetae)
Psocetae Pearman, 1936: 60
Psocomorpha Badonnel, 1951: 1326
Psocoptera Shipley, 1904: 261
Psyllipsocetae Smithers, 1972: 337
Troctomorpha Roesler, 1940: 235
Trogiomorpha Roesler, 1940: 235

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AUTHORITIES FOR FAMILY-GROUP NAMES OF PSOCIDS (INSECTA: PSOCODEA: 'PSOCOPTERA')

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Introduction

Unfortunately, a comprehensive documentation of authorities for family-group names is lacking for psocids. This lack of information is particularly problematic in a period when phylogenetic research results in the frequent propositions of new classifications (e. g. Yoshizawa & Johnson, 2008, 2014; Yoshizawa *et al.*, 2014; Yoshizawa, 2016).

According to the principle of coordination applied to family-group names (ICZN 1999, Article 36) each name can be used in all ranks of the family-group with the same authorship and date, the rank-specific suffixes being -ina (subtribe), -ini (tribe), -inae (subfamily), -idae (family) and -oidea (superfamily).

All psocid family-group names that we were able to retrieve from the literature are listed here, grouped by suborders (Trogiomorpha, Troctomorpha, Psocomorpha). The list for Trogiomorpha names is a revised version of that one recently published by Lienhard & Yoshizawa (2018).

For each suborder the family-group names are listed alphabetically, each name in its original spelling and with its original suffix. For each name the authority [author(s), year, page] is indicated and, in parentheses, its type genus. For names with a non-evident stem the latter is indicated in square brackets, if necessary together with the correct spelling of the family-group name (according to mandatory changes or changes ruled by the ICZN).

In **bold type** are all names used (often with a suffix that is not identical to the original one) in Lienhard & Smithers (2002) and those used in more recently proposed and generally accepted changes of the classification, which are documented by Lienhard (2016, 2012–2018). These publications also contain all bibliographical details about the type genera, while the bibliographical references concerning the family-group names are listed below.

This list of 152 family-group names is an accessory result of many years of taxonomic research on psocids. It forms the first comprehensive documentation on the authorities of these names in this group. We invite the reader to inform us about errors or omissions!

List of family-group names of Trogiomorpha

Anomocopiidae [*sic*] Smithers, 1972: 337 [Anomocope-; Anomocopeidae] (*Anomocopeus* Badonnel, 1967)

Archaeatropidae Baz & Ortuño, 2000: 369 (*Archaeatropos* Baz & Ortuño, 2000)

Atropida Leach, 1815: 139 [Atropidae] (*Atropos* Leach, 1815) (see comment on Trogiidae)

Dorypteryginae Enderlein, 1903a: 208 [Dorypteryg-] (*Dorypteryx* Aaron, 1883)

Echinopsocidae Enderlein, 1906: 109 (*Echinopsocus* Enderlein, 1903). Comment: This is a replacement name for Lepidillinae Ribaga, 1905.

Echmepterygini Karny, 1930: 448 [Echmepteryg-] (*Echmepteryx* Aaron, 1886)

Empheriidae Kolbe, 1884: 37 (*Empheria* Hagen, 1856)

Eosillinae Ribaga, 1908: 22 (*Eosilla* Ribaga, 1908)

Lepidillinae Ribaga, 1905: 100 (*Lepidilla* Ribaga, 1905) (not *Lepidilla* Matthew, 1885; Crustacea).
Comment: This is an invalid name, because its type genus is a junior homonym (see ICZN 1999, Article 39). See Echinopsocidae.

Lepidopsocidae Enderlein, 1903a: 207 (*Lepidopsocus* Enderlein, 1903)

Lepinotinae Enderlein, 1905: 3 (*Lepinotus* Heyden, 1850). Comment: See remark on Trogiidae, the family to which the genus *Lepinotus* is currently assigned.

Lepolepidinae Roesler, 1944: 134 [Lepolepid-] (*Lepolepis* Enderlein, 1906)

Parasoinae Mockford, 2005: 208 (*Parasoa* Thornton, 1962)

Perientomini Kolbe, 1882: 25 (*Perientomum* Hagen, 1865)

Prionoglarinae [*sic*] Karny, 1930: 448 [Prionoglarid-; **Prionoglaridinae**] (*Prionoglaris* Enderlein, 1909)

Psocathropidae [*sic*] Pearman, 1936: 60 [Psocathropidae] (*Psocathropos* Ribaga, 1899)

Psoquillini Kolbe, 1882: 27 (*Psoquilla* Hagen, 1865)

Psyllipsocini Kolbe, 1884: 38 (*Psyllipsocus* Selys-Longchamps, 1872)

Rhyopsocini [*sic*] Karny, 1930: 446 [Rhyopsocini] (*Rhyopsocus* Hagen, 1876)

Scoliopsyllopsidae Badonnel, 1931: 256 (*Scoliopsyllopsis* Enderlein, 1912)

Sensitibillini Lienhard, 2007: 445 (*Sensitibilla* Lienhard, 2000)

Siamoglaridini Azar, Huang & Nel, 2017 in: Azar *et al.*, 2017: 147 [Siamoglarid-] (*Siamoglaris* Lienhard, 2004)

Speleketoridae Smithers, 1972: 337 (*Speleketor* Gurney, 1943)

Thylacellinae Roesler, 1944: 131 (*Thylacella* Enderlein, 1911). Comment: This name is generally used for a subfamily of Lepidopsocidae containing the genera *Thylacella* and *Thylax*. However, it is a junior synonym of Thylacinae Enderlein, 1903.

Thylacinae Enderlein, 1903a: 208 [Thylac-] (*Thylax* Hagen, 1866). Comment: See remark on Thylacellinae.

Trogiidae Enderlein, 1911: 293 (1815) (*Trogium* Illiger, 1798). Comment: This name takes precedence over Atropidae Leach, 1815 (see Atropida, above), with the date of the latter as date of priority (see ICZN 1999, Article 40.2 and Recommendation 40A).

Udamolepidini Karny, 1930: 446 [Udamolepid-] (*Udamolepis* Enderlein, 1912)

List of family-group names of Troctomorpha

Amphientomini Kolbe, 1883: 190 (*Amphientomum* Pictet, 1854)

Antivulgarinae Li, 2002: 111 (*Antivulgaris* Li, 2002)

Arcantipsocidae Azar, Nel & Néraudeau, 2009: 119 (*Arcantipsocus* Azar, Nel & Néraudeau, 2009).
Comment: This name was considered as a junior synonym of Amphientomidae by Mockford *et al.* (2013).

Compressioninae Li, 2002: 112 (*Compressionis* Li, 1993)

Compsocinae Roesler, 1944: 138 (*Compsocus* Banks, 1930)

Cymatopsocini Karny, 1930: 443 (*Cymatopsocus* Enderlein, 1903)

Electrentominae Enderlein, 1911: 337 (*Electrentomum* Enderlein, 1911)

Embidopsocini Karny, 1930: 442 (1905) (*Embidopsocus* Hagen, 1866). Comment: This name takes precedence over Embidotroctinae Enderlein, 1905, with the date of the latter as date of priority (see ICZN 1999, Article 40.2 and Recommendation 40A).

Embidotroctinae Enderlein, 1905: 4 (*Embidotroctes* Enderlein, 1905)

Eutroctidae Menon, 1942: 25 (*Eutroctes* Ribaga, 1911) (not *Eutroctes* Zimmermann, 1831; Coleoptera). Comment: This is an invalid name, because its type genus is a junior homonym (see ICZN 1999, Article 39).

Libaneuphorinae Azar, Huang, Cai & Nel, 2015: 337 (*Libaneuphoris* Azar, Huang, Cai & Nel, 2015)

Liposcelidae [*sic*] Enderlein, 1911: 350 [Liposcelid-; **Liposcelididae**; see Lienhard, 1990: 119] (*Liposcelis* Motschulsky, 1852)

Manicapsocidae Mockford, 1967: 144 (*Manicapsocus* Smithers, 1966)

Musapsocidae Mockford, 1967: 122 (*Musapsocus* Mockford, 1967)

Pachytroctinae Enderlein, 1905: 4 (*Pachytroctes* Enderlein, 1905)

Paramesopsocidae Azar, Hajar, Indary & Nel, 2009: 461 (*Paramesopsocus* Azar, Hajar, Indary & Nel, 2009). Comment: This name was considered as a junior synonym of Electrentomidae by Mockford *et al.* (2013).

Plaumanniidae Roesler, 1940a: 234 (*Plaumannia* Roesler, 1940) (not *Plaumannia* Lundblad, 1936; Arachnida). Comment: This is an invalid name, because its type genus is a junior homonym (see ICZN 1999, Article 39). See Troctopsocidae Mockford, 1967.

Protoctopsocinae Smithers, 1972: 338 (*Protoctopsocus* Mockford, 1967)

Sphaeropsocini Kolbe, 1883: 190 (*Sphaeropsocus* Hagen, 1882)

Tapinellinae Enderlein, 1908: 773 (*Tapinella* Enderlein, 1908)

Thoracotroctinae Lienhard, 2005: 695 (*Thoracotroctes* Lienhard, 2005)

Tineomorphinae Enderlein, 1906: 48 (*Tineomorpha* Enderlein, 1906)

Troctini Kolbe, 1882: 27 (*Troctes* Burmeister *sensu* Kolbe *nec* Burmeister, 1839) (see Liposcelididae).

Troctopsocidae Mockford, 1967: 131 (*Troctopsocus* Mockford, 1967). Comment: This is a replacement name for Plaumanniidae Roesler, 1940.

List of family-group names of Psocomorpha

- Aaroniellini** Thornton, 1981: 424 (*Aaroniella* Mockford, 1951)
Afropsocina Mockford, 1978: 176 (*Afropsocus* Mockford, 1978)
Allopsocini Karny, 1930: 447 (*Allopsocus* Banks, 1920)
Amphicaeciliinae Li, 2002: 285 (*Amphicaecilius* Li, 2002)
Amphigerontiini Roesler, 1940c: 238 (*Amphigerontia* Kolbe, 1880)
Amphipsocidae Pearman, 1936: 60 (*Amphipsocus* McLachlan, 1872)
Antipsocinae Roesler, 1940c: 239 (*Antipsocus* Roesler, 1940)
Aphyopsocini Mockford, 1989: 292 (*Aphyopsocus* Smithers, 1982)
Archipsocinae Enderlein, 1903a: 204 (*Archipsocus* Hagen, 1882)
Asiopsocidae Mockford & Garcia Aldrete, 1976: 335 (*Asiopsocus* Günther, 1968)
Atrichadenotecnini Yoshizawa & Johnson, 2008: 558 (*Atrichadenotecnum* Yoshizawa, 1998)
Austrocaeciliina Mockford, 2000: 341 (*Austrocaecilius* Smithers, 1981)
Bassocaeciliini Schmidt & New, 2008: 86 (*Bassocaecilius* Schmidt & New, 2008)
Bertkauini Kolbe, 1882: 26 (*Bertkauia* Kolbe, 1882) (see Epipsocini Karny, 1930)
Blastini Li, 2002: 1351 (*Blaste* Kolbe, 1883)
Bryopsocidae Mockford, 1984: 311 (*Bryopsocus* Thornton, Wong & Smithers, 1977)
Caeciliini [*sic*] Kolbe, 1880: 111 [Caecilius-; declared as stem by ICZN 1996, removing the homonymy with Caeciliidae Rafinesque, 1814 (Amphibia: Gymnophiona); **Caeciliusini**] (*Caecilius* Curtis, 1837)
Callistopterinae Enderlein, 1903a: 203 (*Callistoptera* Enderlein, 1903)
Calocaeciliinae Mockford, 1978: 158 (*Calocaecilius* Mockford, 1974)
Calopsocini Kolbe, 1882: 25 (*Calopsocus* Hagen, 1866). See comment on Pseudocaeciliidae.
Capilopsocini Mockford, 1978: 164 (*Capilopsocus* Mockford, 1978)
Cerastipsocini Roesler, 1940c: 238 (*Cerastipsocus* Kolbe, 1884)
Cladiopsocidae Smithers, 1972: 339 (*Cladiopsocus* Roesler, 1940)
Coryphacini Mockford, 2000: 347 (*Coryphaca* Enderlein, 1910)
Cycetini Roesler, 1940c: 239 (*Cycetes* Enderlein, 1907)
Cyclolachesillinae Li, 2002: 1706 (*Cyclolachesillus* Li, 2002)
Dasydemellinae Mockford, 1978: 155 (*Dasydemella* Enderlein, 1909)
Dasypsocini Mockford, 1978: 162 (*Dasypsocus* Enderlein, 1906)
Dolabellopsocidae Eertmoed, 1973: 387 (*Dolabellopsocus* Eertmoed, 1973)
Dypsocini Kolbe, 1882: 25 (*Dypsocus* Hagen, 1866)
Ectopsocini Roesler, 1940c: 243 (*Ectopsocus* McLachlan, 1899)
Electropsocini Roesler, 1940c: 243 (*Electropsocus* Roesler, 1940)
Elipsocini Kolbe, 1882: 26 (*Elipsocus* Hagen, 1866)
Eolachesillinae Mockford & Sullivan, 1986: 4 (*Eolachesilla* Badonnel, 1967)
Epicaeciliini Mockford, 2000: 357 (*Epicaecilius* Mockford, 2000)
Epipsocini Karny, 1930: 445 (1882) (*Epipsocus* Hagen, 1866). Comment: This name takes precedence over Bertkauini Kolbe, 1882, with the date of the latter as date of priority (see ICZN 1999, Article 40.2 and Recommendation 40A). While the genus *Bertkauia* was considered as a synonym of *Epipsocus*, the name Epipsocidae (introduced before 1961) was in prevailing usage. Therefore this name took the priority of the replaced family-group name of which it is deemed to be the senior synonym (see ICZN 1999, Article 40.2.1). Thus, this name remains valid, though *Bertkauia* is no longer considered as a synonym of *Epipsocus*. Yoshizawa & Johnson (2014) consider Epipsocidae as a senior synonym of Neurostigmatidae Enderlein, 1903. This is only justified because Epipsocidae Karny takes the date of priority 1882, as explained above.
Euplocaniinae Smithers, 1972: 339 (*Euplocania* Enderlein, 1910)
Fuelleborniellini Roesler, 1940c: 243 (*Fuelleborniella* Enderlein, 1902)
Gojinae Roesler, 1940b: 1 (*Goja* Navas, 1927)
Graphocaeciliini Roesler, 1940c: 243 (*Graphocaecilius* Enderlein, 1900)
Hemipsocini Kolbe, 1882: 25 (*Hemipsocus* Selys-Longchamps, 1872)

Ischnopterygini Karny, 1930: 444 [Ischnopteryg-] (*Ischnopteryx* Enderlein, 1900) (not *Ischnopteryx* Agassiz, 1846; Lepidoptera). Comment: This is an invalid name, because its type genus is a junior homonym (see ICZN 1999, Article 39).

Isophaneinae [*sic*] Li, 2002: 247 [Isophan-; Isophaninae] (*Isophanes* Banks, 1937)

Kaindipsocini Yoshizawa & Johnson, 2008: 557 (*Kaindipsocus* Smithers & Thornton, 1981)

Kodamaiini Mockford, 2000: 337 (*Kodamaius* Okamoto, 1907)

Kolbeinae [*sic*] Roesler, 1940b: 17 [Kolbi-; **Kolbiinae**] (*Kolbia* Bertkau, 1882)

Lachesillidae Karny, 1930: 441 (1903) (*Lachesilla* Westwood, 1840). Comment: This name takes precedence over Leptopsocidae Enderlein, 1903, with the date of the latter as date of priority (see ICZN 1999, Article 40.2 and Recommendation 40A). See also comment on Leptopsocidae.

Leptellinae Enderlein, 1903b: 133 (*Leptella* Reuter, 1893) (not *Leptella* Hall & Clarke, 1892; Brachiopoda). Comment: This is an invalid name, because its type genus is a junior homonym (see ICZN 1999, Article 39). See Reuterellinae and Pseudopsocinae.

Leptopsocidae Enderlein, 1903a: 209 (*Leptopsocus* Reuter, 1899). Comment: Reuter (1899: 5) already used the supra-generic name Leptopsocaria based on his genus *Leptopsocus*. Reuter (1909) synonymized *Leptopsocus* with *Pterodela* Kolbe, 1880. When recognizing *Leptopsocus* and *Pterodela* as junior synonyms of *Lachesilla* Westwood, 1840, Enderlein (1919) placed this genus in the family Caeciliidae. The name Leptopsocidae was no longer used and Karny (1930) proposed the name Lachesillidae, which is currently used in modern classification.

Lesneiinae Smithers, 1964: 220 (*Lesneia* Badonnel, 1931)

Lichenomiminae Li, 2002: 1318 (*Lichenomima* Enderlein, 1910)

Lienhardiellina Mockford, 2000: 345 (*Lienhardiella* Mockford, 2000)

Lophomyini Li, 2002: 1335 (*Lophomyus* Li Fasheng, 2002)

Maoripsocini Mockford, 2000: 345 (*Maoripsocus* Mockford, 2000)

Meplerinae Li, 2002: 1853 (*Mepleres* Enderlein, 1926)

Mesocaeciliinae Li, 2002: 1018 (*Mesocaecilius* Okamoto, 1910)

Mesopsocini Enderlein, 1901: 538 (*Mesopsocus* Kolbe, 1880)

Metylophorini Roesler, 1940c: 238 (*Metylophorus* Pearman, 1932)

Myopsocini Enderlein, 1901: 539 (*Myopsocus* Hagen, 1866)

Nepiomorphinae Smithers, 1964: 220 (*Nepiomorpha* Pearman, 1936)

Neurosemini [*sic*] Kolbe, 1882: 25 [Neurosemat-; Neurosematini] (*Neurosema* McLachlan, 1866)

Neurostigmae [*sic*] Enderlein, 1903a: 205 [Neurostigmat-; **Neurostigmatinae**] (*Neurostigma* Enderlein, 1900). See comment on Epipsocini.

Oreopsocini Li, 2002: 1398 (*Oreopsocus* Roesler, 1939)

Palaeopsocini Roesler, 1940c: 243 (*Palaeopsocus* Kolbe, 1883)

Paracaeciliinae Mockford, 1989: 292 (*Paracaecilius* Badonnel, 1931)

Pararchipsocinae Badonnel, Mockford & Garcia Aldrete, 1984: 742 (*Pararchipsocus* Badonnel, Mockford & Garcia Aldrete, 1984)

Pentacladinae Roesler, 1944: 141 (*Pentacladus* Enderlein, 1906)

Pericaeciliina Mockford, 2000: 338 (*Pericaecilius* Mockford, 2000)

Peripsocini Kolbe, 1880: 128 (*Peripsocus* Hagen, 1866)

Philotarsidae Pearman, 1936: 60 (*Philotarsus* Kolbe, 1880)

Polypsocini Kolbe, 1882: 25 (*Polypsocus* Hagen, 1866)

Propsocini Enderlein, 1901: 539 (*Propsocus* McLachlan, 1866)

Pseudocaeciliidae Pearman, 1936: 60 (*Pseudocaecilius* Enderlein, 1903). Comment: This name has recently been used in a broad sense, including Calopsocidae (Yoshizawa & Johnson, 2014; Mockford, 2018). However, it is a junior synonym of the latter (see Calopsocini Kolbe, 1882). Thus, the name Calopsocidae has to be used for the taxon Pseudocaeciliidae *sensu* Yoshizawa & Johnson (2014).

Pseudopsocinae Karny, 1930: 447 (*Pseudopsocus* Kolbe, 1882). Comment: This name is often used for a subfamily of Elipsocidae containing the genera *Pseudopsocus* Kolbe and *Reuterella* Enderlein. However, it is a junior synonym of Reuterellinae Enderlein, 1903. According to the concept of the family Elipsocidae published by Schmidt & New (2004) both names have to be considered as junior synonyms of Elipsocinae (see Elipsocini Kolbe, 1882).

Psilopsocidae Roesler, 1944: 128 (*Psilopsocus* Enderlein, 1903)

Psocida Leach, 1815: 139 [**Psocidae**] (*Psocus* Latreille, 1794)

Ptenopsilini Mockford, 1978: 157 (*Ptenopsila* Enderlein, 1923)

Pterodelidae Pearman, 1936: 60 (*Pterodela* Kolbe, 1880)

Ptiloneuridae Roesler, 1940a: 237 (*Ptiloneura* Enderlein, 1900)

Ptilopsocini Enderlein, 1901: 538 (*Ptilopsocus* Enderlein, 1900)
Ptyctini Mockford, 1993: 258 (*Ptycta* Enderlein, 1925)
 Reuterellinae Enderlein, 1903b: 132 (*Reuterella* Enderlein, 1903). See comment on Pseudopsocinae.
Sabulopsocidae Schmidt & New, 2004: 190 (*Sabulopsocus* Smithers, 1969)
Schizopechini Mockford, 1978: 162 (*Schizopechus* Pearman, 1934)
Sigmatoneurinae Li, 2002: 1691 (*Sigmatoneura* Enderlein, 1908)
 Siniamphipsocini Li, 2002: 777 (*Siniamphipsocus* Li, 1997)
 Spurostigmidae [*sic*] Eertmoed, 1973: 397 [Spurostigmat-; **Spurostigmatidae**] (*Spurostigma* Eertmoed, 1973)
Stenopsocini Kolbe, 1880: 124 (*Stenopsocus* Hagen, 1866)
Stylatopsocini Li, 2002: 1341 (*Stylatopsocus* Li, 2002)
 Taeniosstigmata [*sic*] Mockford, 1978: 168 [Taeniosstigmat-; **Taeniosstigmata**] (*Taeniosstigma* Enderlein, 1901)
Tagalopsocina Mockford, 1978: 170 (*Tagalopsocus* Banks, 1916)
Thorntoniellina Mockford, 2000: 340 (*Thorntoniella* Mockford, 2000)
Thyrsochorini Kolbe, 1882: 26 (*Thyrsochorus* Burmeister, 1839)
 Trichadenotecnini Li, 2002: 1460 (*Trichadenotecnum* Enderlein, 1909)
 Trichocaeciliinae Li, 2002: 992 (*Trichocaecilius* Badonnel, 1967)
Trichopsocidae Pearman, 1936: 60 (*Trichopsocus* Kolbe, 1882)
 Tricladellinae Roesler, 1944: 142 (*Tricladellus* Enderlein, 1909)
Waoraniellini Garcia Aldrete, 2006: 12 (*Waoraniella* Garcia Aldrete, 2006)
 Xenopsocinae Karny, 1930: 450 (*Xenopsocus* Kolbe, 1885)
Yuntapsocinae Smithers, 1997: 98 (*Yuntapsocus* Smithers, 1997)
Zelandopsocinae Thornton, 1981: 436 (*Zelandopsocus* Tillyard, 1923)

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Additions and Corrections (Part 18) to Lienhard & Smithers, 2002: "Psocoptera (Insecta) – World Catalogue and Bibliography"

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1. Introduction

This is the 18th part of a series of "Additions and Corrections to the World Catalogue and Bibliography" (Lienhard & Smithers, 2002) published in "Psocid News". Parts 1–17 were published in Psocid News no. 4–20 (see below); a **Synthesis of Parts 1–10** is given by Lienhard (2016d).

Please send me regularly copies of your papers on Psocoptera, and please inform me about errors that you find in Lienhard & Smithers (2002). If papers which came to your notice are not treated in the "Additions", please send me the bibliographical references by e-mail. In the "Additions to the Bibliography", references to the papers which I have not yet seen are marked with "(Not seen)" or "(Only abstract seen)". Please send me a copy or PDF of these papers if you feel concerned. Only papers which I have seen are analysed for the "Additions to the Catalogue", or those where the matter they deal with is clearly indicated in the title or in the abstract.

In general these "Additions" present the information in the style of the catalogue (Lienhard & Smithers, 2002), according to the criteria mentioned there (pp. ix–xli) and using the same abbreviations (see pp. xl–xli). For each family, newly published changes concerning supra-generic taxa are mentioned at the beginning of the family treatment. For genus-group names and species-group names already listed by Lienhard & Smithers (2002) only the author is cited here. For new names the complete reference (author, year, page) is given in their first entry, where new genus-group names are marked with two asterisks (**) and new species-group names with one asterisk (*). For a name not listed by Lienhard & Smithers (2002), but cited in a preceding part of the "Additions", author and year are always mentioned. Genera are listed alphabetically within each family. Species are listed alphabetically within each genus. Species names are cited in the combination used by Lienhard & Smithers (2002), if not an explicit change of combination (or a new synonymy) has been published since.

The "Corrections" refer to the pages of Lienhard & Smithers (2002) and the changes proposed here are usually underlined.

No nomenclatural act is published in the "Additions to the Catalogue" because articles in "Psocid News" are not considered as published works under the rules of ICZN (see Editorial: Disclaimer). Sometimes recommendations to future revisers are given concerning nomenclatural acts which eventually should be published. Only some mandatory changes are made in the "Additions to the Catalogue" (e. g. adaptation of species name ending to the grammatical gender of the genus name).

2. List of countries mentioned in the "Additions and Corrections to the World Catalogue" (Parts 1-18)

Country checklists of Psocoptera species extracted from Lienhard & Smithers (2002) are given by Lienhard (2016b).

All additional species records are mentioned in the "Additions and Corrections to the World Catalogue" and all countries mentioned in Parts 1 to 18 of these Additions are listed below, arranged according to the main geographical regions defined for the Catalogue (**I–X**), with a separate heading for fossils (**A**), mainly from amber. This list is provided to facilitate computer searching for distributional references in the online version of the different parts which can be found at <http://hdl.handle.net/2115/35519> or in the **Synthesis of Parts 1–10** given by Lienhard (2016d).

Part 1 – Psocid News, no. 4 (2003): 2–24 (= Lienhard, 2003a)

Part 2 – Psocid News, no. 5 (2003): 2–37 (= Lienhard, 2003b)

Part 3 – Psocid News, no. 6 (2004): 1–23 (= Lienhard, 2004a)

Part 4 – Psocid News, no. 7 (2005): 1–16 (= Lienhard, 2005a)
 Part 5 – Psocid News, no. 8 (2006): 1–18 (= Lienhard, 2006a)
 Part 6 – Psocid News, no. 9 (2007): 1–17 (= Lienhard, 2007a)
 Part 7 – Psocid News, no. 10 (2008): 1–18 (= Lienhard, 2008a)
 Part 8 – Psocid News, no. 11 (2009): 2–16 (= Lienhard, 2009a)
 Part 9 – Psocid News, no. 12 (2010): 1–18 (= Lienhard, 2010)
 Part 10 – Psocid News, no. 13 (2011): 1–18 (= Lienhard, 2011a)
Synthesis of Parts 1–10, see Lienhard (2016d)
 Part 11 – Psocid News, no. 14 (2012): 1–13 (= Lienhard, 2012a)
 Part 12 – Psocid News, no. 15 (2013): 1–21 (= Lienhard, 2013)
 Part 13 – Psocid News, no. 16 (2014): 1–20 (= Lienhard, 2014)
 Part 14 – Psocid News, no. 17 (2015): 1–17 (= Lienhard, 2015)
 Part 15 – Psocid News, no. 18 (2016): 1–12 (= Lienhard, 2016a)
 Part 16 – Psocid News, no. 19 (2017): 1–18 (= Lienhard, 2017)
 Part 17 – Psocid News, no. 20 (2018): 4–17 (= Lienhard, 2018)
 Part 18 – Psocid News, no. 21 (2019) (= present issue)

(I) Albania (Parts 14, 16), Austria (Parts 1, 3, 4, 5, 6, 8, 9), Bahrain (Part 8), Belgium (Parts 3, 6, 8, 10, 16, 17, 18), Bosnia-Herzegovina (Part 14), Bulgaria (Parts 8, 14, 16, 17, 18), Croatia (Parts 6, 7, 11, 12), Cyprus (Part 11), Czech Republic (Parts 1, 4, 5, 6, 7, 8, 10, 11, 13, 14, 16), Denmark (Parts 10, 12), Egypt (Part 6), Europe (Parts 10, 11, 12), Finland (Parts 1, 7, 10, 11, 12, 13, 15), France (Parts 1, 3, 4, 6, 7, 8, 9, 10, 11, 12, 13, 14, 18), Germany (Parts 1, 3, 4, 5, 7, 8, 10, 11, 12, 14, 16), Great Britain (Parts 1, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18), Greece (Parts 5, 6, 11, 14, 17, 18), Greenland (Part 15), Hungary (Parts 1, 3, 10), Iceland (Part 10), Iran (Parts 6, 8, 15, 16, 17, 18), Ireland (Parts 6, 9, 13, 17), Israel (Parts 4, 6, 8, 11, 15, 16), Italy (Parts 1, 3, 5, 6, 7, 8, 9, 10, 17, 18), Kosovo (Part 14), Lebanon (Parts 6, 7, 9, 10, 11, 13, 14), Lithuania (Part 8), Luxembourg (Parts 1, 3, 7, 8, 10, 13, 17, 18), Macedonia (Part 14), Malta (Parts 15, 16), Montenegro (Part 14), Morocco (Parts 10, 15), Netherlands (Parts 4, 7, 9, 11, 14, 16, 17), Norway (Parts 4, 10, 13), Oman (Part 8), Poland (Part 13), Portugal (Parts 6, 7, 18), Romania (Parts 10, 14, 16, 17), Russia (Parts 6, 8, 10, 12, 13, 14, 16), Saudi Arabia (Parts 8, 15), Serbia (Part 14), Slovakia (Parts 1, 11, 13), Spain (Parts 1, 5, 7, 8, 9, 11, 12, 13, 17, 18), Sweden (Part 8, 10, 17), Switzerland (Parts 1, 3, 4, 6, 7, 8, 11, 12), Turkey (Parts 5, 10, 15), UAE (Parts 8, 9), Ukraine (Part 6), Yemen (Parts 4, 8, 18)

(II) Ascension Island (Parts 11, 15), Azores (Parts 5, 11), Canary Islands (Parts 1, 4, 5, 10, 11), Cape Verde Islands (Parts 5, 11, 15), Gough Island (Parts 5, 6), Madeira (Parts 5, 8, 15), Saint Helena (Parts 5, 11), Selvagens Islands (Parts 1, 8)

(III) Bahamas (Part 13), Canada (Parts 4, 6, 7, 8, 13, 18), North America (Parts 11, 12), USA (Parts 1, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 18)

(IV) Antigua (Part 15), Aruba (Part 15), Belize (Parts 1, 4, 6, 8, 9, 10, 15), Costa Rica (Parts 1, 6, 8, 15, 17, 18), Cuba (Parts 6, 11), Curaçao (Part 15), Dominica (Parts 5, 6, 11), Dominican Republic (Parts 4, 6, 7, 8, 12, 13, 14, 18), Guadeloupe (Part 15), Guatemala (Parts 1, 4, 7, 8, 11, 15, 16, 17), Haiti (Parts 1, 4), Hispaniola (Part 10), Honduras (Parts 8, 15), Jamaica (Parts 7, 8, 9, 15), Mexico (Parts 1, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18), Middle America (Part 11), Nicaragua (Parts 1, 3, 4, 6, 7, 8, 13), Panama (Parts 4, 6, 8, 17), Puerto Rico (Parts 1, 7, 10, 13), Trinidad (Parts 1, 16)

(V) Argentina (Parts 3, 4, 8, 9, 14), Bolivia (Parts 1, 5, 9, 10, 17), Brazil (Parts 1, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18), Chile (Parts 1, 4, 6, 8), Colombia (Parts 1, 10, 11, 12, 13, 14, 15, 16, 17, 18), Ecuador (Parts 1, 6, 8, 13, 15, 16, 18), French Guiana (Part 18), Paraguay (Parts 13, 14, 15), Peru (Parts 1, 5, 6, 8, 9, 10, 11, 12, 13, 14, 16, 17, 18), Suriname (Part 10), Venezuela (Parts 1, 4, 6, 7, 8, 10, 15, 17, 18)

(VI) Ghana (Parts 4, 18), Guinea (Part 1), Kenya (Parts 4, 15, 16, 18), Liberia (Part 15), Madagascar (Part 5), Malawi (Part 3), Mozambique (Part 15), Namibia (Parts 1, 6, 7, 8, 10), Rwanda (Part 15), Senegal (Part 15), South Africa (Parts 3, 6, 7, 8, 11), Tanzania (Parts 3, 4), Togo (Part 15), Uganda (Part 6)

(VII) Reunion (Part 15)

(VIII) Brunei (Parts 5, 6), China (Parts 2, 3, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18), Hong Kong (Part 5), India (Parts 3, 5, 6, 7, 11, 15), Indonesia (Parts 1, 3, 5, 6, 10, 15), Japan (Parts 1, 4, 6, 7, 8, 9, 10, 12, 16, 18), Kazakhstan (Part 13), Korea (Part 17), Kuril Islands (Part 4), Kyrgyzstan (Part 5), Laos (Parts 5, 6, 17), Malaysia (Parts 1, 5, 6, 8, 10, 14, 15, 18),

Myanmar (Parts 6, 8, 13, 14, 16, 17, 18), Nepal (Parts 7, 18), New Guinea (Parts 3, 5, 8), Pakistan (Part 14), Philippines (Parts 3, 5, 6, 14, 18), Russia (Parts 1, 10, 11), SE-Asia (Part 7), Singapore (Parts 5, 14, 15), Sri Lanka (Parts 4, 6), Taiwan (Parts 1, 6, 7, 8, 13, 15, 17, 18), Thailand (Parts 1, 4, 5, 6, 9, 11, 15, 18), USSR (Parts 4, 9), Vietnam (Parts 4, 5, 6, 8, 13, 14, 15, 17)

(IX) Australia (Parts 1, 4, 5, 6, 7, 8, 10, 12, 13, 14), Lord Howe Island (Parts 4, 7), New Zealand (Parts 1, 4, 13, 16, 18), Subantarctic islands (Part 13), Tasmania (Part 9)

(X) Easter Island (Parts 13, 16), Fiji (Parts 8, 15), Galapagos (Parts 5, 12), Hawaii (Parts 8, 13, 14), New Caledonia (Part 12)

(A) Amber and Copal (or other fossils) (Parts 1, 3, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18)

3. Additions to the Catalogue

Paraneoptera

Johnson *et al.*, 2018b (phylogeny of hemipteroids, several taxa of Psoc. included).

Psocodea

Boudinot, 2018 (male genital homologies). Feng Shiqian *et al.*, 2018b (Psocodea phylogeny, mitochondrial genome).

Psocoptera

Silva Neto & Garcia Aldrete, 2016: online database for all valid species known from Brazil (V). Avtzis *et al.*, 2017: non-native species, Greece (I) (10 spp. of 4 families mentioned, but no species names given). Guo Mingxia *et al.*, 2017: Burmese amber (A) (7 spp. listed). Loera-Padilla *et al.*, 2017: predation by bats, psocids probably ingested accidentally, Mexico (IV). Long & Ransom, 2017: records from Jersey Island, Great Britain (I). Mondal & Rojo, 2017: psocids on dipterocarp saplings, Philippines (VIII). Orfinger *et al.*, 2017: psocids in pan traps, USA (III). Ross, 2017, 2018a, 2018b: Burmese amber (A), checklist. Valbuza *et al.*, 2017: psocids mentioned as pests in stored products, with analysis of the literature. Ansaloni *et al.*, 2018: psocids inhabiting insect galls. Dennis, 2018: Diptera Asilidae as predators, USA (III). Hubert *et al.*, 2018: psocids mentioned as pests in stored products, without details. Jimenez-Chacon *et al.*, 2018: soil litter fauna, Spain (I). Lienhard, 2018: Additions to the World Catalogue and Bibliography, Part 17. Mo Wei *et al.*, 2018: soil fauna, China (VIII). Mockford, 2018b: general treatise, biodiversity, classification. Morales-Silva *et al.*, 2018: psocids on fruits and seeds, Brazil (V). Porhajasova *et al.*, 2018: psocids in sugar beet stands. Schmidt *et al.*, 2018: one unidentified specimen from amber (A), New Zealand (IX). Schneider & Hollier, 2018: biography of Charles Lienhard, with list of publications. Soffan *et al.*, 2018: genetics, odorant coreceptor (Orco). Stork, 2018: species diversity: 5720 described spp. of Psoc., according to Zhang, Z.-Q. 2011. Wakefield *et al.*, 2018 (attractiveness of street lights). Yoshizawa, 2018: Newsletter.

Trogiomorpha

Authorities for family-group names: Lienhard & Yoshizawa, 2018.

Prionoglarididae

Sensitibillini. Yoshizawa *et al.*, 2018b: molecular phylogeny, two independent origins of female penis, coevolution of female penis with male vagina.

Afrotroglia Lienhard, 2007. Molecular phylogeny: Yoshizawa *et al.*, 2018b.

Afrotroglia oryx Lienhard, 2007. Fig.: Yoshizawa *et al.*, 2018b (female penis).

Neotroglia Lienhard, 2010. Bouget, 2016: Copulation. Hosken *et al.*, 2018: sexual selection, female penis mentioned according to Yoshizawa *et al.*, 2014. Kamimura *et al.*, 2018: microsatellite markers developed for *Neotroglia* spp. from Brazilian caves (V). Yoshizawa *et al.*, 2018a: switching valve in spermatheca of *Neotroglia* spp. Yoshizawa *et al.*, 2018b: molecular phylogeny.

Neotroglia aurora Lienhard, 2010. Fig.: Yoshizawa *et al.*, 2018b (female penis).

Neotroglia curvata Lienhard & Ferreira, 2013. Fig.: Yoshizawa *et al.*, 2018b (female penis). Morph.: Ogawa & Yoshizawa, 2018a (structure of stigmaphysis); Brazil (V).

Neotrogla truncata Lienhard, 2010. Fig.: Yoshizawa *et al.*, 2018b (female penis).
Prionoglaris Enderlein. Molecular phylogeny: Yoshizawa *et al.*, 2018b.
Prionoglaris spec. Greece (I): Georgiev & Ivanova, 2018a.
Prionoglaris stygia Enderlein. Bulgaria (I): Georgiev & Ivanova, 2018b (only nymphs, cf. *stygia*) (in cave). Morph.: Ogawa & Yoshizawa, 2018a (structure of stigmaphysis); France (I).
Sensitibilla Lienhard. Molecular phylogeny: Yoshizawa *et al.*, 2018b
Sensitibilla etosha Lienhard & Holusa, 2010. Fig.: Yoshizawa *et al.*, 2018b (spermapore region).
Siamoglaris Lienhard, 2004. Molecular phylogeny: Yoshizawa *et al.*, 2018b.
Speleketor Gurney. Molecular phylogeny: Yoshizawa *et al.*, 2018b.

Psyllipsocidae

Psyllipsocidae. Checklist of valid species: Hakim *et al.*, 2017: 390.
*Annulipsyllipsocus*** Hakim, Azar, S., Maksoud, Huang Diying & Azar, D. 2017: 391. Gender: M. Type species: *Annulipsyllipsocus andreneli* Hakim, Azar, S., Maksoud, Huang Diying & Azar, D.
*Annulipsyllipsocus andreneli** Hakim, Azar, S., Maksoud, Huang Diying & Azar, D. 2017: 391. Myanmar (VIII), in Cretaceous amber (A).
*Annulipsyllipsocus inexpectatus** Hakim, Azar, S., Maksoud, Huang Diying & Azar, D. 2017: 394. Myanmar (VIII), in Cretaceous amber (A).
Dorypteryx domestica (Smithers). Italy (I): Fizialetti *et al.*, 2017 (in library, pest monitoring). Phylog.: Feng Shiqian *et al.*, 2018b (mitochondrial genome).
Psocathropos lachlani Ribaga. Brazil (V): Fonseca Valbuza *et al.*, 2018 (pest in dehydrated plants). Colombia (V): Garcia Aldrete *et al.*, 2018.
Psyllipsocus ramburii Selys-Longchamps. Bulgaria (I): Georgiev & Ivanova, 2018b (in cave). Greece (I): Georgiev & Ivanova, 2018a.
Psyllipsocus variabilis Badonnel. Colombia (V): Garcia Aldrete *et al.*, 2018.
Psyllipsocus yucatan Gurney. Morph.: Ogawa & Yoshizawa, 2018a (structure of stigmaphysis); Brazil (V).

Trogiidae

Azar *et al.*, 2018: Species checklist.
Cerobasis guestfalica (Kolbe). Bulgaria (I): Georgiev & Todorov, 2018. Greece (I): Georgiev & Ivanova, 2018a.
Cerobasis socotrae Lienhard. Yemen (Socotra Island) (I): Bezdek & Hajek, 2017.
Lepinotus reticulatus Enderlein. Bulgaria (I): Georgiev & Ivanova, 2018b (in cave); Georgiev & Todorov, 2018. Greece (I): Georgiev & Ivanova, 2018a. Iran (I): Kahrarian, 2018 (Fig. 1B, erroneously labelled as *Belaphotroctes* spec., shows a specimen of *Lepinotus*). Brazil (V): Fonseca Valbuza *et al.*, 2018 (pest in dehydrated plants). Phylog.: Feng Shiqian *et al.*, 2018b (mitochondrial genome).
*Paralepinotus*** Azar, Maksoud, Nammour, Nel & Wang, 2018: 102. Gender: M. Type species: *Paralepinotus fushunensis* Azar, Maksoud, Nammour, Nel & Wang.
*Paralepinotus fushunensis** Azar, Maksoud, Nammour, Nel & Wang: 102. China (VIII), in early Eocene Fushun amber (A).
Trogium pulsatorium (Linnaeus). Greece (I): Georgiev & Ivanova, 2018a.

Psoquillidae

Psoquilla spec. Morph.: Ogawa & Yoshizawa, 2018a (structure of stigmaphysis); Ghana (VI).
Psoquilla marginepunctata Hagen. Colombia (V): Garcia Aldrete *et al.*, 2018.
Rhyopsocus bicornis Badonnel. Colombia (V): Garcia Aldrete *et al.*, 2018.

Lepidopsocidae

*Echmepteryx (Loxopholia) dominicana** Hakim, Huang & Azar, 2018: 61 (as *dominicanus*; but genus name is of feminine gender). Dominican Republic (IV), Miocene Dominican amber (A).
Echmepteryx falco (Badonnel). Colombia (V): Garcia Aldrete *et al.*, 2018.
Echmepteryx hageni (Packard). Morph.: Ogawa & Yoshizawa, 2018a (structure of stigmaphysis); USA (III).

Echmepteryx madagascariensis (Kolbe). Colombia (V): Garcia Aldrete *et al.*, 2018.
Lepidopsocus pretiosus (Banks). Colombia (V): Garcia Aldrete *et al.*, 2018.
Lepolepis columbiensis Badonnel. Colombia (V): Garcia Aldrete *et al.*, 2018.
Nepticulomima hoesei (Enderlein). Colombia (V): Garcia Aldrete *et al.*, 2018.
Proentomum personatum Badonnel. Colombia (V): Garcia Aldrete *et al.*, 2018.
Soa spec. Colombia (V): Garcia Aldrete *et al.*, 2018.

Electrentomidae

Epiptroctes spec. Colombia (V): Garcia Aldrete *et al.*, 2018.
Manicapsocus alettae Smithers. Morph.: Ogawa & Yoshizawa, 2018a (structure of stigmaphysis); Kenya (VI).

Compsocidae

Compsocus elegans Banks. Colombia (V): Garcia Aldrete *et al.*, 2018.

Troctopsocidae

Troctopsocidae gen. spec. Morph.: Ogawa & Yoshizawa, 2018a (structure of stigmaphysis); Thailand (VIII).
Selenopsocus spec. Morph.: Ogawa & Yoshizawa, 2018a (structure of stigmaphysis); Thailand (VIII).
Troctopsocopsis spec. Colombia (V): Garcia Aldrete *et al.*, 2018.
Troctopsocus spec. Colombia (V): Garcia Aldrete *et al.*, 2018.

Musapsocidae

Musapsocus spec. Colombia (V): Garcia Aldrete *et al.*, 2018. Morph.: Ogawa & Yoshizawa, 2018a (structure of stigmaphysis); Venezuela (V).

Amphientomidae

Amphientomum spec. Colombia (V): Garcia Aldrete *et al.*, 2018.
Lithoseopsis Mockford. Definition of two species groups: Garcia Aldrete *et al.*, 2018b: 95.
*Lithoseopsis brasiliensis** Garcia Aldrete, Silva Neto & Ferreira, 2018: 92. Brazil (V).
Neoseopsis nuda Badonnel. Colombia (V): Garcia Aldrete *et al.*, 2018.
Seopsocus spec. Colombia (V): Garcia Aldrete *et al.*, 2018.
Stimulopalpus japonicus Enderlein. Morph.: Ogawa & Yoshizawa, 2018a (structure of stigmaphysis); Nepal (VIII).

Sphaeropsocidae

Sphaeropsocoides canadensis Grimaldi & Engel, 2006b. Lonsdale & Locke, 2018: Holotype in Canadian National Collection, Cretaceous amber (A), Canada (III).

Pachytroctidae

Antilopsocus nadleri Gurney. Colombia (V): Garcia Aldrete *et al.*, 2018.
Pachytroctes ixtapaensis Garcia Aldrete. Colombia (V): Garcia Aldrete *et al.*, 2018.
Peritroctes spec. Colombia (V): Garcia Aldrete *et al.*, 2018.
Tapinella spec. Colombia (V): Garcia Aldrete *et al.*, 2018. Morph.: Ogawa & Yoshizawa, 2018a (structure of stigmaphysis); Taiwan (VIII).
Tapinella columbiana Badonnel. Colombia (V): Garcia Aldrete *et al.*, 2018.

Liposcelididae

Palaeont. (A): Johnson *et al.*, 2018a (evolution of lice, fossil Liposcelididae used as calibration point).
Belaphopsocus badonneli New. Colombia (V): Garcia Aldrete *et al.*, 2018.
Belaphotroctes spec. Iran (I): Kahrarian, 2018 (Fig. 1B, erroneously labelled as *Belaphotroctes* spec., shows a specimen of *Lepinotus*). Colombia (V): Garcia Aldrete *et al.*, 2018.
Belaphotroctes ghesquierei Badonnel. Colombia (V): Garcia Aldrete *et al.*, 2018.
Embidopsocus spec. Morph.: Ogawa & Yoshizawa, 2018a (structure of stigmaphysis); French Guiana (V).

- Liposcelis* spec. Italy (I): Fizialetti *et al.*, 2017 (pest monitoring in library). Brazil (V): Fonseca Valbuza *et al.*, 2018 (pest in dehydrated plants). Colombia (V): Garcia Aldrete *et al.*, 2018. Genet.: Hamilton *et al.*, 2018 (sex ratio distortion).
- Liposcelis alticolis* Badonnel. Colombia (V): Garcia Aldrete *et al.*, 2018.
- Liposcelis bogotana* Badonnel. Colombia (V): Garcia Aldrete *et al.*, 2018.
- Liposcelis bostrychophila* Badonnel. Greece (I): Georgiev & Ivanova, 2018a. Iran (I): Kahrarian, 2018. USA (III): Gamble & Boyd, 2018. Brazil (V): Fonseca Valbuza *et al.*, 2018 (pest in dehydrated plants). Colombia (V): Garcia Aldrete *et al.*, 2018. Genet., Phylog.: Feng Shiqian *et al.*, 2018a (mitochondrial genome of sexual and asexual strains; cryptic species). Parasit.: Gillespie *et al.*, 2018 (*Rickettsia felis*, reproductive parasitism); Yin Cancan *et al.*, 2018 (*Rickettsia*). Pest: Cao Ju-Qin *et al.*, 2018a, 2018b (control); Guo Shan-Shan *et al.*, 2018 (Add. 18) (toxicity of essential oils); Quan Meirong *et al.*, 2018 (toxicity of essential oil); Wagan *et al.*, 2017 (effects of transgenic rice on community structure); Wang Yang *et al.*, 2018 (toxicity and repellency of essential oil). Phys.: Athanassiou *et al.*, 2018 (cold tolerance of all life stages).
- Liposcelis brunnea* Motschulsky. Iran (I): Kahrarian, 2018. Biol.: Diaz-Montano *et al.*, 2018 (light attraction).
- Liposcelis decolor* (Pearman). Bulgaria (I): Georgiev & Todorov, 2018. Greece (I): Georgiev & Ivanova, 2018a. Genet., Phylog.: Feng Shiqian *et al.*, 2018a (mitochondrial genome).
- Liposcelis dentata* Badonnel. Colombia (V): Garcia Aldrete *et al.*, 2018.
- Liposcelis entomophila* (Enderlein). Brazil (V): Fonseca Valbuza *et al.*, 2018 (pest in dehydrated plants). Colombia (V): Garcia Aldrete *et al.*, 2018. Biol.: Diaz-Montano *et al.*, 2018 (light attraction). Genet., Phylog.: Feng Shiqian *et al.*, 2018a (mitochondrial genome). Parasit.: Yin Cancan *et al.*, 2018 (*Rickettsia*).
- Liposcelis fallax* Badonnel. Colombia (V): Garcia Aldrete *et al.*, 2018.
- Liposcelis mimula* Badonnel. Colombia (V): Garcia Aldrete *et al.*, 2018.
- Liposcelis ornata* Mockford. Colombia (V): Garcia Aldrete *et al.*, 2018.
- Liposcelis paeta* Pearman. Biol.: Diaz-Montano *et al.*, 2018 (light attraction). Genet., Phylog.: Feng Shiqian *et al.*, 2018a (mitochondrial genome).
- Liposcelis pearmani* Lienhard. Bulgaria (I): Georgiev & Todorov, 2018. Greece (I): Georgiev & Ivanova, 2018a. Parasit.: Yin Cancan *et al.*, 2018 (*Rickettsia*).
- Liposcelis sculptilimacula* Li Zhihong & Li Fasheng. Genet., Phylog.: Feng Shiqian *et al.*, 2018a (mitochondrial genome).
- Liposcelis silvarum* (Kolbe). USA (III): Gamble & Boyd, 2018.
- Liposcelis villosa* Mockford. Colombia (V): Garcia Aldrete *et al.*, 2018.

Archipsocidae

- Archipsocus* spec. Colombia (V): Garcia Aldrete *et al.*, 2018. Morph.: Ogawa & Yoshizawa, 2018a (structure of stigmatopophysis); Taiwan (VIII).
- Archipsocus badonneli* New. Colombia (V): Garcia Aldrete *et al.*, 2018.
- Archipsocus castrii* Badonnel. Colombia (V): Garcia Aldrete *et al.*, 2018.
- Archipsocus cervinus* New. Colombia (V): Garcia Aldrete *et al.*, 2018.
- Archipsocus modestus* New. Colombia (V): Garcia Aldrete *et al.*, 2018.
- Pararchipsocus* spec. Colombia (V): Garcia Aldrete *et al.*, 2018.

Amphipsocidae

- Amphipsocus japonicus* (Enderlein). Morph.: Ogawa & Yoshizawa, 2018a (structure of stigmatopophysis); Japan (VIII).
- Dasypsocus chillcotti* New. Lonsdale & Locke, 2018: Holotype in Canadian National Collection, Nepal (VIII).
- Kolbia quisquiliarum* Bertkau. Bulgaria (I): Georgiev, 2018.
- Polypsocus* spec. Colombia (V): Garcia Aldrete *et al.*, 2018.

Stenopsocidae

- Graphopsocus cruciatus* (Linnaeus). Bulgaria (I): Georgiev & Todorov, 2018. Greece (I): Georgiev & Ivanova, 2018a. Colombia (V): Garcia Aldrete *et al.*, 2018.
- Stenopsocus nepalensis* New. Lonsdale & Locke, 2018: Holotype in Canadian National Collection, Nepal (VIII).

Stenopsocus nigricellus Okamoto. Morph.: Ogawa & Yoshizawa, 2018a (structure of stigmatopophysis); Japan (VIII).

Dasydemellidae

Dasydemella spec. Colombia (V): Garcia Aldrete *et al.*, 2018.

Dasydemella montana Badonnel. Colombia (V): Garcia Aldrete *et al.*, 2018.

Dasydemella obrienorum Garcia Aldrete. Colombia (V): Garcia Aldrete *et al.*, 2018.

Matsumuraiella radiopicta Enderlein. Morph.: Ogawa & Yoshizawa, 2018a (structure of stigmatopophysis); Japan (VIII).

Teliapsocus distinctus Badonnel. Colombia (V): Garcia Aldrete *et al.*, 2018.

Asiopsocidae

Asiopsocus vanharteni Lienhard. Yemen (Socotra Island) (I): Bezdek & Hajek, 2017.

Notiopsocus spec. Colombia (V): Garcia Aldrete *et al.*, 2018.

Caeciliusidae

Caecilius enderleini New. Lonsdale & Locke, 2018: Holotype in Canadian National Collection, Nepal (VIII).

Caecilius roseus New. Lonsdale & Locke, 2018: Holotype in Canadian National Collection, Nepal (VIII). Valid name: *Valenzuela roseus* (New).

Coryphaca spec. Colombia (V): Garcia Aldrete *et al.*, 2018.

Stenocaecilius caboverdensis (Meinander). Greece (I): Georgiev & Ivanova, 2018a.

Valenzuela spec. Colombia (V): Garcia Aldrete *et al.*, 2018.

Valenzuela andeanus (New & Thornton). Colombia (V): Garcia Aldrete *et al.*, 2018.

Valenzuela burmeisteri (Brauer). Bulgaria (I): Georgiev & Todorov, 2018. Greece (I): Georgiev & Ivanova, 2018a.

Valenzuela columbianus (Badonnel). Colombia (V): Garcia Aldrete *et al.*, 2018.

Valenzuela flavidus (Stephens). Bulgaria (I): Georgiev & Todorov, 2018. Greece (I): Georgiev & Ivanova, 2018a. Morph.: Ogawa & Yoshizawa, 2018a (structure of stigmatopophysis); Japan (VIII).

Valenzuela paramonus (Badonnel). Colombia (V): Garcia Aldrete *et al.*, 2018.

Valenzuela piceus (Kolbe). Bulgaria (I): Georgiev & Todorov, 2018.

Valenzuela roseus (New). See *Caecilius roseus* New.

Valenzuela thiemei (Enderlein). Colombia (V): Garcia Aldrete *et al.*, 2018.

Xanthocaecilius montserratensis (Badonnel). Colombia (V): Garcia Aldrete *et al.*, 2018.

Peripsocidae

Kaestneriella ecuatoriana Garcia Aldrete. Colombia (V): Garcia Aldrete *et al.*, 2018.

Peripsocus spec. Colombia (V): Garcia Aldrete *et al.*, 2018.

Peripsocus alboguttatus (Dalman). Greece (I): Georgiev & Ivanova, 2018a.

Peripsocus didymus Roesler. Bulgaria (I): Georgiev & Todorov, 2018.

Peripsocus mutilatus Badonnel. Colombia (V): Garcia Aldrete *et al.*, 2018.

Peripsocus phaeopterus (Stephens). Bulgaria (I): Georgiev & Todorov, 2018.

Peripsocus potosi Mockford. Colombia (V): Garcia Aldrete *et al.*, 2018.

Peripsocus quercicola Enderlein. Morph.: Ogawa & Yoshizawa, 2018a (structure of stigmatopophysis); Japan (VIII).

Peripsocus subfasciatus (Rambur). Colombia (V): Garcia Aldrete *et al.*, 2018.

Peripsocus stagnivagus Chapman. Colombia (V): Garcia Aldrete *et al.*, 2018.

Peripsocus terricolis Badonnel. Colombia (V): Garcia Aldrete *et al.*, 2018.

Ectopsocidae

Ectopsocopsis cryptomeriae (Enderlein). Colombia (V): Garcia Aldrete *et al.*, 2018.

Ectopsocopsis xerophylla Vishnyakova. Greece (I): Georgiev & Ivanova, 2018a.

Ectopsocus spec. Colombia (V): Garcia Aldrete *et al.*, 2018.

Ectopsocus andinus Saenz Manchola, Gonzalez Obando & Garcia Aldrete, 2014. Colombia (V): Garcia Aldrete *et al.*, 2018.

Ectopsocus briggsi McLachlan. Greece (I): Georgiev & Ivanova, 2018a. Colombia (V): Garcia Aldrete *et al.*, 2018. Morph.: Ogawa & Yoshizawa, 2018a (structure of stigmaphysis); Japan (VIII).

Ectopsocus californicus (Banks). USA (III): Gamble & Boyd, 2018. Colombia (V): Garcia Aldrete *et al.*, 2018.

Ectopsocus columbianus Badonnel. Colombia (V): Garcia Aldrete *et al.*, 2018.

Ectopsocus gorgonaensis Saenz Manchola, Gonzalez Obando & Garcia Aldrete, 2014. Colombia (V): Garcia Aldrete *et al.*, 2018.

Ectopsocus himalayanus New. Lonsdale & Locke, 2018: Holotype in Canadian National Collection, Nepal (VIII).

Ectopsocus maindroni Badonnel. Colombia (V): Garcia Aldrete *et al.*, 2018.

Ectopsocus meridionalis Ribaga. Greece (I): Georgiev & Ivanova, 2018a. Colombia (V): Garcia Aldrete *et al.*, 2018.

Ectopsocus petersi Smithers. Greece (I): Georgiev & Ivanova, 2018a. Portugal (I): Lock, 2018.

Ectopsocus pilosus Badonnel. Colombia (V): Garcia Aldrete *et al.*, 2018.

Ectopsocus richardsi (Pearman). Colombia (V): Garcia Aldrete *et al.*, 2018. Brazil (V): Fonseca Valbuza *et al.*, 2018 (pest in dehydrated plants).

Ectopsocus thorntoni Garcia Aldrete. Colombia (V): Garcia Aldrete *et al.*, 2018.

Ectopsocus titschacki Jentsch. Colombia (V): Garcia Aldrete *et al.*, 2018.

Ectopsocus vachoni Badonnel. Iran (I): Kahrarian, 2018. USA (III): Gamble & Boyd, 2018.

Ectopsocus valvilobatus Saenz Manchola, Gonzalez Obando & Garcia Aldrete, 2014. Colombia (V): Garcia Aldrete *et al.*, 2018.

Ectopsocus vilhenai Badonnel. Colombia (V): Garcia Aldrete *et al.*, 2018.

Ectopsocus vilhenaioides Saenz Manchola, Gonzalez Obando & Garcia Aldrete, 2014. Colombia (V): Garcia Aldrete *et al.*, 2018.

Ectopsocus vishnyakovae Schmidt. Iran (I): Kahrarian, 2018.

Elipsocidae

Clinopsocus New. Genus definition (for apterous forms): Mockford, 2018a: 195.

*Clinopsocus nigrescens** Mockford, 2018a: 196. USA (California) (III).

Cuneopalpus cyanops (Rostock). Bulgaria (I): Georgiev & Todorov, 2018.

Elipsocus abdominalis Reuter. Bulgaria (I): Georgiev, 2018.

Elipsocus annulatus Roesler. Bulgaria (I): Georgiev, 2018.

Elipsocus hyalinus (Stephens). Bulgaria (I): Georgiev & Todorov, 2018.

Lachesillidae

Acantholachesilla spec. Colombia (V): Garcia Aldrete *et al.*, 2018.

Acantholachesilla saltoensis Garcia Aldrete, Saenz Manchola & Gonzalez Obando, 2014. Colombia (V): Garcia Aldrete *et al.*, 2018.

Amazolachesilla ariasi Garcia Aldrete & Mockford, 2011c. Colombia (V): Garcia Aldrete *et al.*, 2018 (ca. *ariasi*).

Anomolachesilla caldasiana Garcia Aldrete, Gonzalez Obando & Carrejo, 2012c. Colombia (V): Garcia Aldrete *et al.*, 2018.

Anomolachesilla palaciosi Garcia Aldrete, Gonzalez Obando & Carrejo, 2012c. Colombia (V): Garcia Aldrete *et al.*, 2018.

Anomopsocus spec. Colombia (V): Garcia Aldrete *et al.*, 2018.

Dagualachesilla anchicayaensis Garcia Aldrete, Gonzalez Obando & Carrejo, 2013a. Colombia (V): Garcia Aldrete *et al.*, 2018.

Dagualachesilla queremalensis Garcia Aldrete, Gonzalez Obando & Carrejo, 2013a. Colombia (V): Garcia Aldrete *et al.*, 2018.

Dagualachesilloides caliensis Garcia Aldrete, Gonzalez Obando & Carrejo, 2013a. Colombia (V): Garcia Aldrete *et al.*, 2018.

Graphocaecilius spec. Colombia (V): Garcia Aldrete *et al.*, 2018.

Graphocaecilius interpretatus Roesler. Colombia (V): Garcia Aldrete *et al.*, 2018.

Graphocaecilius mockfordi Sandoval Arango, Gonzalez Obando & Garcia Aldrete, 2016. Colombia (V): Garcia Aldrete *et al.*, 2018.

Graphocaecilius peruvianus Mockford & Sullivan. Colombia (V): Garcia Aldrete *et al.*, 2018.

Graphocaecilius pictus Mockford & Sullivan. Colombia (V): Garcia Aldrete *et al.*, 2018.

Graphocaecilius sullivanii Sandoval Arango, Gonzalez Obando & Garcia Aldrete, 2016. Colombia (V): Garcia Aldrete *et al.*, 2018.

Graphocaecilius turneri Sandoval Arango, Gonzalez Obando & Garcia Aldrete, 2016. Colombia (V): Garcia Aldrete *et al.*, 2018.

Graphocaecilius vartyi Turner. Colombia (V): Garcia Aldrete *et al.*, 2018.

Hemicaecilius spec. Colombia (V): Garcia Aldrete *et al.*, 2018.

Hemicaecilius bogotanus Enderlein. Colombia (V): Garcia Aldrete *et al.*, 2018.

Hemicaecilius mockfordi Garcia Aldrete, Gonzalez Obando & Carrejo, 2012. Colombia (V): Garcia Aldrete *et al.*, 2018.

Hemicaecilius nicolasi Garcia Aldrete, Gonzalez Obando & Carrejo, 2012. Colombia (V): Garcia Aldrete *et al.*, 2018.

Hemicaecilius rauli Garcia Aldrete, Gonzalez Obando & Carrejo, 2012. Colombia (V): Garcia Aldrete *et al.*, 2018.

Hemicaecilius smithersi Garcia Aldrete, Gonzalez Obando & Carrejo, 2012. Colombia (V): Garcia Aldrete *et al.*, 2018.

Lachesilla spec. Colombia (V): Garcia Aldrete *et al.*, 2018.

Lachesilla aethiopica (Enderlein). Colombia (V): Garcia Aldrete *et al.*, 2018.

Lachesilla aldretei Badonnel. Colombia (V): Garcia Aldrete *et al.*, 2018.

Lachesilla amacayacuensis Garcia Aldrete, 2010b. Colombia (V): Garcia Aldrete *et al.*, 2018.

Lachesilla ariasi Garcia Aldrete, 2004e. Colombia (V): Garcia Aldrete *et al.*, 2018.

Lachesilla asperiforceps Garcia Aldrete, 2001f. Colombia (V): Garcia Aldrete *et al.*, 2018.

Lachesilla asymmetriproctus Garcia Aldrete, 2008b. Colombia (V): Garcia Aldrete *et al.*, 2018.

Lachesilla bernardi Badonnel. Bulgaria (I): Georgiev, 2018. Greece (I): Georgiev & Ivanova, 2018a.

Lachesilla bicornata New & Thornton. Colombia (V): Garcia Aldrete *et al.*, 2018.

Lachesilla cesarcardonai Garcia Aldrete, Gonzalez Obando & Saldaña, 2013. Colombia (V): Garcia Aldrete *et al.*, 2018.

*Lachesilla cibriani** Garcia Aldrete & Silva Neto, 2018: 147 (assigned to *corona* species group). Mexico (IV).

Lachesilla cintalapa Garcia Aldrete. Colombia (V): Garcia Aldrete *et al.*, 2018 (ca. *cintalapa*).

Lachesilla cuala Garcia Aldrete. Colombia (V): Garcia Aldrete *et al.*, 2018 (ca. *cuala*).

Lachesilla dimorpha Lienhard. Greece (I): Georgiev & Ivanova, 2018a.

Lachesilla ecuatoriana Garcia Aldrete. Colombia (V): Garcia Aldrete *et al.*, 2018.

Lachesilla falcata Garcia Aldrete. Colombia (V): Garcia Aldrete *et al.*, 2018.

Lachesilla graminicola Badonnel. Colombia (V): Garcia Aldrete *et al.*, 2018.

Lachesilla huitoto Saenz Manchola, Garcia Aldrete & Gonzalez Obando, 2015. Colombia (V): Garcia Aldrete *et al.*, 2018.

Lachesilla iguazuensis Garcia Aldrete, 2004d. Colombia (V): Garcia Aldrete *et al.*, 2018 (ca. *iguazuensis*).

Lachesilla ilama Garcia Aldrete, Gonzalez Obando & Saldaña, 2013. Colombia (V): Garcia Aldrete *et al.*, 2018.

Lachesilla lacinosiforceps Garcia Aldrete. Colombia (V): Garcia Aldrete *et al.*, 2018 (ca. *lacinosiforceps*).

Lachesilla latiforceps Garcia Aldrete, 2011b. Colombia (V): Garcia Aldrete *et al.*, 2018.

Lachesilla leonilae Garcia Aldrete. Colombia (V): Garcia Aldrete *et al.*, 2018.

Lachesilla nuptialis Badonnel & Garcia Aldrete. Colombia (V): Garcia Aldrete *et al.*, 2018.

Lachesilla pacifica Chapman. USA (III): Gamble & Boyd, 2018.

Lachesilla pedicularia (Linnaeus). Bulgaria (I): Georgiev & Todorov, 2018. Greece (I): Georgiev & Ivanova, 2018a. USA (III): Gamble & Boyd, 2018.

Lachesilla penta Sommerman. Colombia (V): Garcia Aldrete *et al.*, 2018 (ca. *penta*).

Lachesilla perezi Garcia Aldrete. Colombia (V): Garcia Aldrete *et al.*, 2018 (ca. *perezi*).

Lachesilla picticeps Mockford. Colombia (V): Garcia Aldrete *et al.*, 2018 (ca. *picticeps*).

Lachesilla pigmentithorax Garcia Aldrete. Colombia (V): Garcia Aldrete *et al.*, 2018.

Lachesilla putumayensis Saenz Manchola, Garcia Aldrete & Gonzalez Obando, 2015. Colombia (V): Garcia Aldrete *et al.*, 2018.

Lachesilla quercus (Kolbe). Greece (I): Georgiev & Ivanova, 2018a.

Lachesilla rena Sommerman. USA (III): Gamble & Boyd, 2018. Colombia (V): Garcia Aldrete *et al.*, 2018 (ca. *rena*).

Lachesilla riegei Sommerman. Colombia (V): Garcia Aldrete *et al.*, 2018.

Lachesilla rugosa Garcia Aldrete. Colombia (V): Garcia Aldrete *et al.*, 2018.
Lachesilla teresiana Garcia Aldrete. Colombia (V): Garcia Aldrete *et al.*, 2018 (ca. *teresiana*).
Lachesilla valvula New & Thornton. Colombia (V): Garcia Aldrete *et al.*, 2018.
Lachesilla veneper Garcia Aldrete. Colombia (V): Garcia Aldrete *et al.*, 2018 (ca. *veneper*).
Mesolachesilla spec. Colombia (V): Garcia Aldrete *et al.*, 2018.
Nadleria spec. Colombia (V): Garcia Aldrete *et al.*, 2018.
Nanolachesilla spec. Colombia (V): Garcia Aldrete *et al.*, 2018.
Notolachesilla spec. Colombia (V): Garcia Aldrete *et al.*, 2018.
Prolachesilla spec. Colombia (V): Garcia Aldrete *et al.*, 2018.
Tricholachesilla spec. Colombia (V): Garcia Aldrete *et al.*, 2018.
Tricholachesilla alata Mockford & Sullivan. Colombia (V): Garcia Aldrete *et al.*, 2018.
Tricholachesilla vampira Mockford & Sullivan. Colombia (V): Garcia Aldrete *et al.*, 2018.
Waoraniella spec. Colombia (V): Garcia Aldrete *et al.*, 2018.
*Waoraniella andina** Saenz Manchola., Gonzalez Obando & Garcia Aldrete, 2018: 284.
Colombia (V). Colombia (V): Garcia Aldrete *et al.*, 2018.
*Waoraniella jarlinsoni** Saenz Manchola., Gonzalez Obando & Garcia Aldrete, 2018: 287.
Colombia (V). Colombia (V): Garcia Aldrete *et al.*, 2018.

Mesopsocidae

Idatenopsocus orientalis (Vishnyakova). Morph.: Ogawa & Yoshizawa, 2018a (structure of stigmaphysis); Japan (VIII).

Philotarsidae

Aaroniella spec. Colombia (V): Garcia Aldrete *et al.*, 2018.
Aaroniella badonneli (Danks). Bulgaria (I): Georgiev & Todorov, 2018. Morph.: Ogawa & Yoshizawa, 2018a (structure of stigmaphysis); Japan (VIII).
Aaroniella crista New & Thornton. Colombia (V): Garcia Aldrete *et al.*, 2018.
Haplophallus leopardina (Williner). Colombia (V): Garcia Aldrete *et al.*, 2018.
Philotarsus spec. Colombia (V): Garcia Aldrete *et al.*, 2018.
Philotarsus thorntoni Turner. Colombia (V): Garcia Aldrete *et al.*, 2018.

Trichopsocidae

Trichopsocus clarus (Banks). Greece (I): Georgiev & Ivanova, 2018a. Morph.: Ogawa & Yoshizawa, 2018a (structure of stigmaphysis); USA (III).
Trichopsocus dali (McLachlan). Bulgaria (I): Georgiev & Todorov, 2018. Greece (I): Georgiev & Ivanova, 2018a.

Pseudocaeciliidae

Allocaecilius spec. Colombia (V): Garcia Aldrete *et al.*, 2018.
Calopsocus furcatus (New). Morph.: Ogawa & Yoshizawa, 2018a (structure of stigmaphysis); Malaysia (VIII).
Heterocaecilius spec. Colombia (V): Garcia Aldrete *et al.*, 2018.
Heterocaecilius solocipennis (Enderlein). Morph.: Ogawa & Yoshizawa, 2018a (structure of stigmaphysis); Japan (VIII).
Pseudocaecilius citricola (Ashmead). Colombia (V): Garcia Aldrete *et al.*, 2018.
Pseudocaecilius katmanduensis New. Lonsdale & Locke, 2018: Holotype in Canadian National Collection, Nepal (VIII).
Scytopsocus spec. Colombia (V): Garcia Aldrete *et al.*, 2018.
Trimerocaecilius becheti Meinander. Belgium (I): Lock & Soors, 2018. Bulgaria (I): Georgiev & Todorov, 2018 (cf. *becheti*) (variability discussed).
Trimerocaecilius popovi Meinander. Bulgaria (I): Georgiev & Todorov, 2018.

Dolabellopsocidae

Dolabellopsocus calima Calderon Martinez, Gonzalez Obando & Garcia Aldrete, 2014.
Colombia (V): Garcia Aldrete *et al.*, 2018.
Dolabellopsocus lobatus Mockford. Colombia (V): Garcia Aldrete *et al.*, 2018.
Dolabellopsocus roseusoides Calderon Martinez, Gonzalez Obando & Garcia Aldrete, 2014.
Colombia (V): Garcia Aldrete *et al.*, 2018.

- Dolabellopsocus similis* Mockford. Colombia (V): Garcia Aldrete *et al.*, 2018.
- Dolabellopsocus yundiguai* Calderon Martinez, Gonzalez Obando & Garcia Aldrete, 2014. Colombia (V): Garcia Aldrete *et al.*, 2018.
- Isthmopsocus* spec. Colombia (V): Garcia Aldrete *et al.*, 2018.
- Isthmopsocus barbatusoides* Calderon Martinez, Gonzalez Obando & Garcia Aldrete, 2014. Colombia (V): Garcia Aldrete *et al.*, 2018.
- Isthmopsocus foliatus* Calderon Martinez, Gonzalez Obando & Garcia Aldrete, 2014. Colombia (V): Garcia Aldrete *et al.*, 2018.
- Isthmopsocus imperfectus* Badonnel. Colombia (V): Garcia Aldrete *et al.*, 2018.

Cladiopsocidae

- Cladiopsocus* Roesler. Key (to males) and checklist for neotropical species: Gonzalez Obando *et al.*, 2018a.
- Cladiopsocus altamiraensis** Gonzalez Obando, Garcia Aldrete & Carrejo, 2018: 194. Colombia (V). Colombia (V): Garcia Aldrete *et al.*, 2018.
- Cladiopsocus amacayacuensis* Gonzalez Obando, Garcia Aldrete & Carrejo, 2016. Colombia (V): Garcia Aldrete *et al.*, 2018.
- Cladiopsocus arboricola* Calderon Martinez, Gonzalez Obando & Garcia Aldrete, 2014. Colombia (V): Garcia Aldrete *et al.*, 2018; Gonzalez Obando *et al.*, 2018a.
- Cladiopsocus belenensis** Gonzalez Obando, Garcia Aldrete & Carrejo, 2018: 194. Colombia (V). Colombia (V): Garcia Aldrete *et al.*, 2018.
- Cladiopsocus bidentatus* Calderon Martinez, Gonzalez Obando & Garcia Aldrete, 2014. Colombia (V): Garcia Aldrete *et al.*, 2018.
- Cladiopsocus caguanensis** Gonzalez Obando, Garcia Aldrete & Carrejo, 2018: 197. Colombia (V). Colombia (V): Garcia Aldrete *et al.*, 2018.
- Cladiopsocus deliciosensis* Gonzalez Obando, Garcia Aldrete & Carrejo, 2016. Colombia (V): Garcia Aldrete *et al.*, 2018.
- Cladiopsocus eertmoedi* Gonzalez Obando, Garcia Aldrete & Carrejo, 2016. Colombia (V): Garcia Aldrete *et al.*, 2018; Gonzalez Obando *et al.*, 2018a.
- Cladiopsocus gregoriolum* Gonzalez Obando, Garcia Aldrete & Carrejo, 2016. Colombia (V): Garcia Aldrete *et al.*, 2018.
- Cladiopsocus iscuande** Gonzalez Obando, Garcia Aldrete & Carrejo, 2018: 197. Colombia (V). Colombia (V): Garcia Aldrete *et al.*, 2018.
- Cladiopsocus julianae* Gonzalez Obando, Garcia Aldrete & Carrejo, 2016. Colombia (V): Garcia Aldrete *et al.*, 2018; Gonzalez Obando *et al.*, 2018a.
- Cladiopsocus katioides** Gonzalez Obando, Garcia Aldrete & Carrejo, 2018: 198. Colombia (V). Colombia (V): Garcia Aldrete *et al.*, 2018.
- Cladiopsocus kogui** Gonzalez Obando, Garcia Aldrete & Carrejo, 2018: 202. Colombia (V). Colombia (V): Garcia Aldrete *et al.*, 2018.
- Cladiopsocus laesperanza** Gonzalez Obando, Garcia Aldrete & Carrejo, 2018: 202. Colombia (V). Colombia (V): Garcia Aldrete *et al.*, 2018.
- Cladiopsocus mocoensis* Gonzalez Obando, Garcia Aldrete & Carrejo, 2016. Colombia (V): Garcia Aldrete *et al.*, 2018; Gonzalez Obando *et al.*, 2018a.
- Cladiopsocus multimaculatus* Eertmoed. Colombia (V): Garcia Aldrete *et al.*, 2018.
- Cladiopsocus nebulosus* Calderon Martinez, Gonzalez Obando & Garcia Aldrete, 2014. Colombia (V): Garcia Aldrete *et al.*, 2018; Gonzalez Obando *et al.*, 2018a.
- Cladiopsocus norsantanderinus** Gonzalez Obando, Garcia Aldrete & Carrejo, 2018: 205. Colombia (V). Colombia (V): Garcia Aldrete *et al.*, 2018.
- Cladiopsocus pacificus* Calderon Martinez, Gonzalez Obando & Garcia Aldrete, 2014. Colombia (V): Garcia Aldrete *et al.*, 2018.
- Cladiopsocus panchei* Gonzalez Obando, Garcia Aldrete & Carrejo, 2016. Colombia (V): Garcia Aldrete *et al.*, 2018; Gonzalez Obando *et al.*, 2018a.
- Cladiopsocus pancheorum** Gonzalez Obando, Garcia Aldrete & Carrejo, 2018: 208. Colombia (V). Colombia (V): Garcia Aldrete *et al.*, 2018.
- Cladiopsocus ramulosus* (Enderlein). Colombia (V): Garcia Aldrete *et al.*, 2018; Gonzalez Obando *et al.*, 2018a.
- Cladiopsocus salasarrierorum** Gonzalez Obando, Garcia Aldrete & Carrejo, 2018: 208. Colombia (V). Colombia (V): Garcia Aldrete *et al.*, 2018.

- Cladiopsocus sixtoi** Gonzalez Obando, Garcia Aldrete & Carrejo, 2018: 209. Colombia (V). Colombia (V): Garcia Aldrete *et al.*, 2018.
- Cladiopsocus tikunus* Gonzalez Obando, Garcia Aldrete & Carrejo, 2016. Colombia (V): Garcia Aldrete *et al.*, 2018; Gonzalez Obando *et al.*, 2018a.
- Cladiopsocus tinigua** Gonzalez Obando, Garcia Aldrete & Carrejo, 2018: 213. Colombia (V). Colombia (V): Garcia Aldrete *et al.*, 2018.
- Cladiopsocus tukunare** Gonzalez Obando, Garcia Aldrete & Carrejo, 2018: 213. Colombia (V). Colombia (V): Garcia Aldrete *et al.*, 2018.

Ptiloneuridae

- Key to genera of Ptiloneuridae: Gonzalez Obando *et al.*, 2018b: 14.
- Ptiloneuridae gen. spec. Colombia (V): Garcia Aldrete *et al.*, 2018.
- Brasineura* Silva Neto & Garcia Aldrete, 2015. Variability of wing venation: Lima *et al.*, 2018.
- Brasineura diamantina* Silva Neto & Garcia Aldrete, 2015. Revised diagnosis and description of female: Lima *et al.*, 2018. Brazil (V).
- Brasineura jiboia** Silva Neto, Garcia Aldrete & Rafael, 2018: 548. Brazil (V).
- Brasineura spinosa** Silva Neto, Garcia Aldrete & Rafael, 2018: 551. Brazil (V).
- Colocania*** Gonzalez Obando, Garcia Aldrete & Mendivil, 2018, *in* Gonzalez Obando *et al.*, 2018b: 14. Gender: F. Type species: *Colocania occidentalis* Gonzalez Obando, Garcia Aldrete & Mendivil.
- Colocania candelaria** Garcia Aldrete, Gonzalez Obando & Carrejo-Gironza, 2018, *in* Gonzalez Obando *et al.*, 2018b: 16. Colombia (V).
- Colocania chicaque** Gonzalez Obando, Garcia Aldrete & Carrejo-Gironza, 2018, *in* Gonzalez Obando *et al.*, 2018b: 18. Colombia (V).
- Colocania norsantanderina** Carrejo-Gironza, Mendivil & Gonzalez Obando, 2018, *in* Gonzalez Obando *et al.*, 2018b: 20. Colombia (V).
- Colocania occidentalis** Gonzalez Obando, Garcia Aldrete & Mendivil, 2018, *in* Gonzalez Obando *et al.*, 2018b: 22. Colombia (V).
- Colocania pilosa** Gonzalez Obando, Carrejo-Gironza & Garcia Aldrete, 2018, *in* Gonzalez Obando *et al.*, 2018b: 26. Colombia (V).
- Euplocania* Enderlein. Vinasco Mondragon *et al.*, 2018: Key (males) and distribution map for the species of the *amabilis* group, with definition of six subgroups. Gonzalez Obando *et al.*, 2018c: Species checklist for the genus; key (males) and distribution map for the species of the *bonaverensis* group (former group C) and two new species groups, the *enderleini* group and the *patinoi* group; definition of two subgroups in the *enderleini* group.
- Euplocania* spec. Colombia (V): Garcia Aldrete *et al.*, 2018.
- Euplocania andinoamazonica** Garcia Aldrete, Carrejo & Panche, 2018, *in* Gonzalez Obando *et al.*, 2018c: 499. Colombia (V).
- Euplocania ariasi** Vinasco Mondragon, Gonzalez Obando & Garcia Aldrete, 2018: 45. Brazil (V).
- Euplocania badonneli* New & Thornton. Colombia (V): Garcia Aldrete *et al.*, 2018.
- Euplocania bonaverensis* Gonzalez Obando, Garcia Aldrete & Carrejo Gironza, 2015. Colombia (V): Garcia Aldrete *et al.*, 2018.
- Euplocania caldasi** Vinasco Mondragon, Gonzalez Obando & Garcia Aldrete, 2018: 45. Colombia (V).
- Euplocania caliensis* Gonzalez Obando, Garcia Aldrete & Carrejo Gironza, 2015. Colombia (V): Garcia Aldrete *et al.*, 2018.
- Euplocania caquetaensis* Gonzalez-Obando, Garcia Aldrete & Carrejo, 2017b. Colombia (V): Garcia Aldrete *et al.*, 2018.
- Euplocania chami** Gonzalez Obando, Garcia Aldrete & Carrejo, 2018, *in* Gonzalez Obando *et al.*, 2018c: 502. Colombia (V).
- Euplocania daguaensis* Gonzalez Obando, Garcia Aldrete & Carrejo Gironza, 2015. Colombia (V): Garcia Aldrete *et al.*, 2018.
- Euplocania danubiana* Gonzalez Obando, Garcia Aldrete & Carrejo Gironza, 2015. Colombia (V): Garcia Aldrete *et al.*, 2018.
- Euplocania darwini** Carrejo, Garcia Aldrete & Gonzalez Obando, 2018, *in* Gonzalez Obando *et al.*, 2018c: 505. Colombia (V).

*Euplocania ecuatoriana** Vinasco Mondragon, Gonzalez Obando & Garcia Aldrete, 2018: 48. Ecuador (V).

*Euplocania enderleini** Garcia Aldrete, Panche & Gonzalez Obando, 2018, in Gonzalez Obando *et al.*, 2018c: 507. Colombia (V).

*Euplocania equorum** Vinasco Mondragon, Gonzalez Obando & Garcia Aldrete, 2018: 50. Brazil (V).

Euplocania gaitanae Gonzalez-Obando, Garcia Aldrete & Carrejo, 2017b. Colombia (V): Garcia Aldrete *et al.*, 2018.

*Euplocania gallegoi** Gonzalez Obando, Garcia Aldrete & Carrejo, 2018, in Gonzalez Obando *et al.*, 2018c: 509. Colombia (V).

Euplocania guentherbuchi Gonzalez Obando, Garcia Aldrete & Carrejo Gironza, 2015. Colombia (V): Garcia Aldrete *et al.*, 2018.

*Euplocania katioi** Vinasco Mondragon, Gonzalez Obando & Garcia Aldrete, 2018: 50. Colombia (V).

Euplocania laelsa Gonzalez-Obando, Garcia Aldrete & Carrejo, 2017b. Colombia (V): Garcia Aldrete *et al.*, 2018.

*Euplocania lasdelicias** Vinasco Mondragon, Gonzalez Obando & Garcia Aldrete, 2018: 53. Colombia (V).

Euplocania macarenaensis Gonzalez Obando, Garcia Aldrete & Carrejo Gironza, 2015. Colombia (V): Garcia Aldrete *et al.*, 2018.

*Euplocania manausensis** Vinasco Mondragon, Gonzalez Obando & Garcia Aldrete, 2018: 55. Brazil (V).

*Euplocania metensis** Vinasco Mondragon, Gonzalez Obando & Garcia Aldrete, 2018: 55. Colombia (V).

*Euplocania mockfordi** Gonzalez Obando, Carrejo & Garcia Aldrete, 2018, in Gonzalez Obando *et al.*, 2018c: 512. Colombia, Ecuador (V).

Euplocania nasa Gonzalez-Obando, Garcia Aldrete & Carrejo, 2017b. Colombia (V): Garcia Aldrete *et al.*, 2018.

*Euplocania patinoi** Gonzalez Obando, Carrejo & Panche, 2018, in Gonzalez Obando *et al.*, 2018c: 514. Colombia (V).

*Euplocania rafaeli** Vinasco Mondragon, Gonzalez Obando & Garcia Aldrete, 2018: 58. Brazil (V).

Euplocania reyesi Garcia Aldrete, Gonzalez Obando & Carrejo, 2013b. Colombia (V): Garcia Aldrete *et al.*, 2018.

*Euplocania rojasae** Gonzalez Obando, Carrejo & Garcia Aldrete, 2018, in Gonzalez Obando *et al.*, 2018c: 516. Colombia (V).

*Euplocania tocantina** Vinasco Mondragon, Gonzalez Obando & Garcia Aldrete, 2018: 58. Brazil (V).

Euplocania vallecaucana Gonzalez Obando, Garcia Aldrete & Carrejo Gironza, 2015. Colombia (V): Garcia Aldrete *et al.*, 2018.

*Euplocania vaupesiana** Vinasco Mondragon, Gonzalez Obando & Garcia Aldrete, 2018: 61. Colombia (V).

Euplocania yalcona Gonzalez-Obando, Garcia Aldrete & Carrejo, 2017b. Colombia (V): Garcia Aldrete *et al.*, 2018.

Loneura spec. Colombia (V): Garcia Aldrete *et al.*, 2018.

Loneura andina Garcia Aldrete, Mendivil Nieto & Gonzalez Obando, 2012. Colombia (V): Garcia Aldrete *et al.*, 2018.

Loneura colombiana Garcia Aldrete, Gonzalez & Carrejo, 2011. Colombia (V): Garcia Aldrete *et al.*, 2018.

Loneura dapaensis Mendivil Nieto, Garcia Aldrete & Gonzalez Obando, 2017. Colombia (V): Garcia Aldrete *et al.*, 2018.

Loneura deibyi Mendivil Nieto, Garcia Aldrete & Gonzalez Obando, 2017. Colombia (V): Garcia Aldrete *et al.*, 2018.

Loneura eberhardi Mendivil Nieto, Garcia Aldrete & Gonzalez Obando, 2017. Colombia (V): Garcia Aldrete *et al.*, 2018.

Loneura farallonensis Mendivil Nieto, Garcia Aldrete & Gonzalez Obando, 2017. Colombia (V): Garcia Aldrete *et al.*, 2018.

Loneura gorgonaensis Garcia Aldrete, Gonzalez & Sarria, 2011. Colombia (V): Garcia Aldrete *et al.*, 2018.

Loneura insularis Garcia Aldrete, Gonzalez & Sarria, 2011. Colombia (V): Garcia Aldrete *et al.*, 2018.

Loneura mirandaensis Garcia Aldrete, 2007. Colombia (V): Garcia Aldrete *et al.*, 2018.

Loneura monserate Mendivil Nieto, Garcia Aldrete & Gonzalez Obando, 2017. Colombia (V): Garcia Aldrete *et al.*, 2018.

Loneura monticola Garcia Aldrete, Gonzalez & Sarria, 2011. Colombia (V): Garcia Aldrete *et al.*, 2018.

Loneura quimbaya Mendivil Nieto, Garcia Aldrete & Gonzalez Obando, 2017. Colombia (V): Garcia Aldrete *et al.*, 2018.

Loneura tuluaensis Garcia Aldrete, Mendivil Nieto & Gonzalez Obando, 2012. Colombia (V): Garcia Aldrete *et al.*, 2018.

Loneura univalle Mendivil Nieto, Garcia Aldrete & Gonzalez Obando, 2017. Colombia (V): Garcia Aldrete *et al.*, 2018.

Loneuroides spec. Colombia (V): Garcia Aldrete *et al.*, 2018.

*Loneuroides baianus** Silva Neto, Garcia Aldrete & Rafael, 2018: 2. Brazil (V).

Loneuroides bretanaensis Garcia Aldrete, Gonzalez Obando & Carrejo Gironza, 2016. Colombia (V): Garcia Aldrete *et al.*, 2018.

Loneuroides colombianus Garcia Aldrete, Gonzalez Obando & Carrejo Gironza, 2016. Colombia (V): Garcia Aldrete *et al.*, 2018.

Loneuroides ledesmai Garcia Aldrete, Gonzalez Obando & Carrejo Gironza, 2016. Colombia (V): Garcia Aldrete *et al.*, 2018.

Loneuroides rionegroensis Garcia Aldrete, Gonzalez Obando & Carrejo Gironza, 2016. Colombia (V): Garcia Aldrete *et al.*, 2018.

Loneuroides santanderinus Garcia Aldrete, Gonzalez Obando & Carrejo Gironza, 2016. Colombia (V): Garcia Aldrete *et al.*, 2018.

Loneuroides tamaensis Garcia Aldrete, Gonzalez Obando & Carrejo Gironza, 2016. Colombia (V): Garcia Aldrete *et al.*, 2018.

Loneuroides venezolanus Garcia Aldrete, 2006a. Colombia (V): Garcia Aldrete *et al.*, 2018.

Perucania longiareola New & Thornton. Colombia (V): Garcia Aldrete *et al.*, 2018.

Ptiloneura bidorsalis Enderlein. Colombia (V): Garcia Aldrete *et al.*, 2018.

*Ptiloneuropsis diamantina** Silva Neto, Garcia Aldrete & Rafael, 2018: 568. Brazil (V).

Triplocania Roesler. Diagnosis: Silva Neto *et al.*, 2018d: 2.
Belicania Garcia Aldrete, 2006b. **Synonymy:** Silva Neto *et al.*, 2018d: 2.

Triplocania spec. Colombia (V): Garcia Aldrete *et al.*, 2018.

Triplocania amacayacuensis Gonzalez-Obando, Carrejo-Gironza & Garcia Aldrete, 2017a. Colombia (V): Garcia Aldrete *et al.*, 2018.

Triplocania anchicayaensis Gonzalez-Obando, Carrejo-Gironza & Garcia Aldrete, 2017a. Colombia (V): Garcia Aldrete *et al.*, 2018.

Triplocania andaqui Gonzalez-Obando, Carrejo-Gironza & Garcia Aldrete, 2017a. Colombia (V): Garcia Aldrete *et al.*, 2018.

Triplocania arhuaca Gonzalez-Obando, Carrejo-Gironza & Garcia Aldrete, 2017a. Colombia (V): Garcia Aldrete *et al.*, 2018.

Triplocania asisensis Gonzalez-Obando, Carrejo-Gironza & Garcia Aldrete, 2017a. Colombia (V): Garcia Aldrete *et al.*, 2018.

Triplocania awa Gonzalez-Obando, Carrejo-Gironza & Garcia Aldrete, 2017a. Colombia (V): Garcia Aldrete *et al.*, 2018.

Triplocania bicornuta Gonzalez-Obando, Carrejo-Gironza & Garcia Aldrete, 2017a. Colombia (V): Garcia Aldrete *et al.*, 2018.

Triplocania bubuae Gonzalez-Obando, Carrejo-Gironza & Garcia Aldrete, 2017a. Colombia (V): Garcia Aldrete *et al.*, 2018.

Triplocania calima Gonzalez-Obando, Carrejo-Gironza & Garcia Aldrete, 2017a. Colombia (V): Garcia Aldrete *et al.*, 2018.

Triplocania camentsa Gonzalez-Obando, Carrejo-Gironza & Garcia Aldrete, 2017a. Colombia (V): Garcia Aldrete *et al.*, 2018.

Triplocania cantatis Gonzalez-Obando, Carrejo-Gironza & Garcia Aldrete, 2017a. Colombia (V): Garcia Aldrete *et al.*, 2018.

Triplocania caribe Gonzalez-Obando, Carrejo-Gironza & Garcia Aldrete, 2017a. Colombia (V): Garcia Aldrete *et al.*, 2018.

Triplocania cervantesi Garcia Aldrete. **From** *Belicania* (comb. rev.): Silva Neto *et al.*, 2018d: 2.

Triplocania chocoensis Gonzalez-Obando, Carrejo-Gironza & Garcia Aldrete, 2017a. Colombia (V): Garcia Aldrete *et al.*, 2018.

Triplocania dimitrii Gonzalez-Obando, Carrejo-Gironza & Garcia Aldrete, 2017a. Colombia (V): Garcia Aldrete *et al.*, 2018.

Triplocania embera Gonzalez-Obando, Carrejo-Gironza & Garcia Aldrete, 2017a. Colombia (V): Garcia Aldrete *et al.*, 2018.

Triplocania erwini Silva Neto, Rafael & Garcia Aldrete, 2015. Colombia (V): Garcia Aldrete *et al.*, 2018.

Triplocania felidiaensis Gonzalez-Obando, Carrejo-Gironza & Garcia Aldrete, 2017a. Colombia (V): Garcia Aldrete *et al.*, 2018.

Triplocania furcata New. Colombia (V): Garcia Aldrete *et al.*, 2018.

Triplocania garciamarquezi Gonzalez-Obando, Carrejo-Gironza & Garcia Aldrete, 2017a. Colombia (V): Garcia Aldrete *et al.*, 2018.

Triplocania guane Gonzalez-Obando, Carrejo-Gironza & Garcia Aldrete, 2017a. Colombia (V): Garcia Aldrete *et al.*, 2018.

Triplocania huilaensis Gonzalez-Obando, Carrejo-Gironza & Garcia Aldrete, 2017a. Colombia (V): Garcia Aldrete *et al.*, 2018.

Triplocania huitota Gonzalez-Obando, Carrejo-Gironza & Garcia Aldrete, 2017a. Colombia (V): Garcia Aldrete *et al.*, 2018.

Triplocania humboldtiana Gonzalez-Obando, Carrejo-Gironza & Garcia Aldrete, 2017a. Colombia (V): Garcia Aldrete *et al.*, 2018.

Triplocania inga Gonzalez-Obando, Carrejo-Gironza & Garcia Aldrete, 2017a. Colombia (V): Garcia Aldrete *et al.*, 2018.

Triplocania kichwa Gonzalez-Obando, Carrejo-Gironza & Garcia Aldrete, 2017a. Colombia (V): Garcia Aldrete *et al.*, 2018.

Triplocania korebaju Gonzalez-Obando, Carrejo-Gironza & Garcia Aldrete, 2017a. Colombia (V): Garcia Aldrete *et al.*, 2018.

Triplocania lamasi Silva Neto, Rafael & Garcia Aldrete, 2014. Colombia (V): Garcia Aldrete *et al.*, 2018.

Triplocania lamasoides Silva Neto, Rafael & Garcia Aldrete, 2015. Colombia (V): Garcia Aldrete *et al.*, 2018.

Triplocania lamensuraensis Gonzalez-Obando, Carrejo-Gironza & Garcia Aldrete, 2017a. Colombia (V): Garcia Aldrete *et al.*, 2018.

Triplocania lapayaensis Gonzalez-Obando, Carrejo-Gironza & Garcia Aldrete, 2017a. Colombia (V): Garcia Aldrete *et al.*, 2018.

Triplocania leguizamoensis Gonzalez-Obando, Carrejo-Gironza & Garcia Aldrete, 2017a. Colombia (V): Garcia Aldrete *et al.*, 2018.

Triplocania lithophila Gonzalez-Obando, Carrejo-Gironza & Garcia Aldrete, 2017a. Colombia (V): Garcia Aldrete *et al.*, 2018.

Triplocania magnifica Roesler. Redescription of male and female: Silva Neto *et al.*, 2018d. Brazil (V).

Triplocania mariacarmenae Gonzalez-Obando, Carrejo-Gironza & Garcia Aldrete, 2017a. Colombia (V): Garcia Aldrete *et al.*, 2018.

Triplocania matildae Gonzalez-Obando, Carrejo-Gironza & Garcia Aldrete, 2017a. Colombia (V): Garcia Aldrete *et al.*, 2018.

Triplocania mocoensis Gonzalez-Obando, Carrejo-Gironza & Garcia Aldrete, 2017a. Colombia (V): Garcia Aldrete *et al.*, 2018.

Triplocania motilona Gonzalez-Obando, Carrejo-Gironza & Garcia Aldrete, 2017a. Colombia (V): Garcia Aldrete *et al.*, 2018.

Triplocania otunquimbayaensis Gonzalez-Obando, Carrejo-Gironza & Garcia Aldrete, 2017a. Colombia (V): Garcia Aldrete *et al.*, 2018.

Triplocania panchei Gonzalez-Obando, Carrejo-Gironza & Garcia Aldrete, 2017a. Colombia (V): Garcia Aldrete *et al.*, 2018.

Triplocania pericosensis Gonzalez-Obando, Carrejo-Gironza & Garcia Aldrete, 2017a. Colombia (V): Garcia Aldrete *et al.*, 2018.

Triplocania robustoides Gonzalez-Obando, Carrejo-Gironza & Garcia Aldrete, 2017a. Colombia (V): Garcia Aldrete *et al.*, 2018.

- Triplocania rugosa* Gonzalez-Obando, Carrejo-Gironza & Garcia Aldrete, 2017a. Colombia (V): Garcia Aldrete *et al.*, 2018.
- Triplocania sarmaca* Gonzalez-Obando, Carrejo-Gironza & Garcia Aldrete, 2017a. Colombia (V): Garcia Aldrete *et al.*, 2018.
- Triplocania sarriae* Gonzalez-Obando, Carrejo-Gironza & Garcia Aldrete, 2017a. Colombia (V): Garcia Aldrete *et al.*, 2018.
- Triplocania sevillaensis* Gonzalez-Obando, Carrejo-Gironza & Garcia Aldrete, 2017a. Colombia (V): Garcia Aldrete *et al.*, 2018.
- Triplocania spinosa* Mockford. Description of the female and redescription of the male: Silva Neto *et al.*, 2018d. Mexico (IV).
- Triplocania umbrataoides** Silva Neto, Garcia Aldrete & Rafael, 2018: 8. Peru (V).
Triplocania umbrata New *sensu* Garcia Aldrete, 1999a.
[Not *Triplocania umbrata* New, 1980].
- Triplocania yanacona* Gonzalez-Obando, Carrejo-Gironza & Garcia Aldrete, 2017a. Colombia (V): Garcia Aldrete *et al.*, 2018.

Epipsocidae

- Epipsocidae gen. spec. Colombia (V): Garcia Aldrete *et al.*, 2018.
- Anastomopsocus vallecaucanus* Garcia Aldrete, Mendivil Nieto & Gonzalez Obando, 2015. Colombia (V): Garcia Aldrete *et al.*, 2018.
- Bertkauia lucifuga* (Rambur). Greece (I): Georgiev & Ivanova, 2018a.
- Edmockfordia calderonae* Mendivil Nieto, Gonzalez Obando & Garcia Aldrete, 2015. Colombia (V): Garcia Aldrete *et al.*, 2018.
- Edmockfordia saenzi* Mendivil Nieto, Gonzalez Obando & Garcia Aldrete, 2015. Colombia (V): Garcia Aldrete *et al.*, 2018.
- Epipsocus* Hagen. Garcia Aldrete, 2018: variability of wing venation in *Epipsocus* spp.
- Epipsocus* spec. Colombia (V): Garcia Aldrete *et al.*, 2018.
- Epipsocus badonneli* Mockford. Colombia (V): Garcia Aldrete *et al.*, 2018.
- Epipsocus moroni** Garcia Aldrete, 2018: 35. Costa Rica (IV).
- Epipsocus reyesi** Garcia Aldrete, 2018: 36. Mexico (IV).
- Goja* spec. Colombia (V): Garcia Aldrete *et al.*, 2018. Morph.: Ogawa & Yoshizawa, 2018a (structure of stigmaphysis); Mexico (IV).
- Goja bogotana* (Roesler). Colombia (V): Garcia Aldrete *et al.*, 2018.
- Gojaoides* spec. Colombia (V): Garcia Aldrete *et al.*, 2018.
- Gojaoides aviceps* (Badonnel). Colombia (V): Garcia Aldrete *et al.*, 2018.
- Gonzobandia nancyae* Garcia Aldrete, 2012c. Colombia (V): Garcia Aldrete *et al.*, 2018.
- Mesepipsocus* spec. Colombia (V): Garcia Aldrete *et al.*, 2018.
- Mesepipsocus brasiliensis* (New). Colombia (V): Garcia Aldrete *et al.*, 2018.
- Mesepipsocus brevistigma* (New). Colombia (V): Garcia Aldrete *et al.*, 2018.
- Mesepipsocus campanulatus* (Thornton & Woo). Colombia (V): Garcia Aldrete *et al.*, 2018.
- Mesepipsocus fuscatus* (New). Colombia (V): Garcia Aldrete *et al.*, 2018.
- Mesepipsocus proctus* (New & Thornton). Colombia (V): Garcia Aldrete *et al.*, 2018.
- Mesepipsocus umbratus* (New & Thornton). Colombia (V): Garcia Aldrete *et al.*, 2018.
- Neurostigma* spec. Colombia (V): Garcia Aldrete *et al.*, 2018.
- Neurostigma furcivenula* Badonnel. Colombia (V): Garcia Aldrete *et al.*, 2018.
- Neurostigma xanthopterum* New. Colombia (V): Garcia Aldrete *et al.*, 2018.
- Odontopsocus compactus* Lienhard, 2002a. Colombia (V): Garcia Aldrete *et al.*, 2018.
- Parepipsocus obscurus* Badonnel. Colombia (V): Garcia Aldrete *et al.*, 2018.
- Periepipsocus caliensis* Garcia Aldrete, Mendivil Nieto & Gonzalez Obando, 2015. Colombia (V): Garcia Aldrete *et al.*, 2018.
- Terryerwinia acutiphallica* Garcia Aldrete, 2005b. Colombia (V): Garcia Aldrete *et al.*, 2018.

Hemipsocidae

- Hemipsocus africanus* Enderlein. Colombia (V): Garcia Aldrete *et al.*, 2018.
- Hemipsocus chloroticus* (Hagen). Colombia (V): Garcia Aldrete *et al.*, 2018. Morph.: Ogawa & Yoshizawa, 2018a (structure of stigmaphysis); Japan (VIII).

Psilopsocidae

Psilopsocus malayanus New & Lee. Morph.: Ogawa & Yoshizawa, 2018a (structure of stigmatopophysis); Malaysia (VIII); species name misspelled *malayensis*.

Psocidae

Evolution and biogeography: Roman Palacios *et al.*, 2017.

Amphigerontia spec. Colombia (V): Garcia Aldrete *et al.*, 2018.

Amphigerontia alticola New & Thornton. Colombia (V): Garcia Aldrete *et al.*, 2018.

Amphigerontia umbrata Navas. Colombia (V): Garcia Aldrete *et al.*, 2018.

Blaste spec. Colombia (V): Garcia Aldrete *et al.*, 2018.

Blaste conspurcata (Rambur). Bulgaria (I): Georgiev & Todorov, 2018. Greece (I): Georgiev & Ivanova, 2018a.

Blaste memorialis (Banks). Colombia (V): Garcia Aldrete *et al.*, 2018.

Blaste quadrimaculata (Latreille). Greece (I): Georgiev & Ivanova, 2018a.

Blastopsocus spec. Colombia (V): Garcia Aldrete *et al.*, 2018.

Blastopsocus mockfordi Badonnel. Colombia (V): Garcia Aldrete *et al.*, 2018.

Brachinodiscus spec. Colombia (V): Garcia Aldrete *et al.*, 2018.

Chaetoblaste spec. Colombia (V): Garcia Aldrete *et al.*, 2018.

Chaetoblaste gonzalezi Garcia Aldrete & Roman-P., 2015. Colombia (V): Garcia Aldrete *et al.*, 2018.

Chaetopsocidus sturmi Badonnel. Colombia (V): Garcia Aldrete *et al.*, 2018.

Cerastipsocus spec. Colombia (V): Garcia Aldrete *et al.*, 2018.

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Cerastipsocus trifasciatus (Provancher). Colombia (V): Garcia Aldrete *et al.*, 2018.

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Elaphopsocus rayoi Roman-P., Gonzalez Obando & Garcia Aldrete, 2015. Colombia (V): Garcia Aldrete *et al.*, 2018.

Elaphopsocus roesleri Roman-P., Gonzalez Obando & Garcia Aldrete, 2015. Colombia (V): Garcia Aldrete *et al.*, 2018.

Elaphopsocus roeslerioides Roman-Palacios, Gonzalez Obando & Garcia Aldrete, 2016. Colombia (V): Garcia Aldrete *et al.*, 2018.

Hyalopsocus morio (Latreille). Luxembourg (I): Lock & Van Butsel, 2018.

Indiopsocus spec. Colombia (V): Garcia Aldrete *et al.*, 2018.

Indiopsocus abouchaari (Badonnel). Colombia (V): Garcia Aldrete *et al.*, 2018.

Indiopsocus expansus (New & Thornton). Colombia (V): Garcia Aldrete *et al.*, 2018.

Indiopsocus fittkaui (Badonnel). Colombia (V): Garcia Aldrete *et al.*, 2018.

Loensia variegata (Latreille). Bulgaria (I): Georgiev & Todorov, 2018.

Metylophorus spec. Colombia (V): Garcia Aldrete *et al.*, 2018. Morph.: Ogawa & Yoshizawa, 2018a (structure of stigmatopophysis); Japan (VIII).

Neopsocus rhenanus Kolbe. Greece (I): Georgiev & Ivanova, 2018a.

Oreopsocus spec. Colombia (V): Garcia Aldrete *et al.*, 2018.

Psococerastis spec. Colombia (V): Garcia Aldrete *et al.*, 2018.

Psococerastis albimaculata Li Fasheng & Yang Chikun. Genet., Phylog.: Feng Shiqian *et al.*, 2018a (mitochondrial genome)

Psococerastis nepalensis New. Lonsdale & Locke, 2018: Holotype in Canadian National Collection, Nepal (VIII).

Psococerastis opulenta (Navas). Colombia (V): Garcia Aldrete *et al.*, 2018.

Psococerastis pyralinella Mockford. Colombia (V): Garcia Aldrete *et al.*, 2018.

Psocomesites spec. Colombia (V): Garcia Aldrete *et al.*, 2018.

Psocomesites sturmi Badonnel. Colombia (V): Garcia Aldrete *et al.*, 2018.

Psocus spec. Colombia (V): Garcia Aldrete *et al.*, 2018.

Ptycta spec. Colombia (V): Garcia Aldrete *et al.*, 2018.

Steleops spec. Colombia (V): Garcia Aldrete *et al.*, 2018.

Steleops buitrerensis Gonzalez, Garcia Aldrete & Carrejo, 2011a. Colombia (V): Garcia Aldrete *et al.*, 2018.

Steleops manizalensis Gonzalez, Garcia Aldrete & Carrejo, 2011b. Colombia (V): Garcia Aldrete *et al.*, 2018.

Steleops mendivili Gonzalez, Garcia Aldrete & Carrejo, 2011b. Colombia (V): Garcia Aldrete *et al.*, 2018.

Steleops plenitudensis Gonzalez, Garcia Aldrete & Carrejo, 2011b. Colombia (V): Garcia Aldrete *et al.*, 2018.

Steleops pulcher New. Colombia (V): Garcia Aldrete *et al.*, 2018.

Steleops rioblancoensis Gonzalez, Garcia Aldrete & Carrejo, 2011b. Colombia (V): Garcia Aldrete *et al.*, 2018.

Thyrsophorus spec. Colombia (V): Garcia Aldrete *et al.*, 2018.

Thyrsopsocopsis spec. Colombia (V): Garcia Aldrete *et al.*, 2018.

Trichadenotecnum spec. Colombia (V): Garcia Aldrete *et al.*, 2018.

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Trichadenotecnum decui Badonnel. Colombia (V): Garcia Aldrete *et al.*, 2018.

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Trichadenotecnum peruense Yoshizawa, Garcia Aldrete & Mockford, 2008. Colombia (V): Garcia Aldrete *et al.*, 2018.

Trichadenotecnum slossonae (Banks). Colombia (V): Garcia Aldrete *et al.*, 2018.

Myopsocidae

Lichenomima spec. Colombia (V): Garcia Aldrete *et al.*, 2018.

Lichenomima onca Mockford. Colombia (V): Garcia Aldrete *et al.*, 2018.

Myopsocus spec. Colombia (V): Garcia Aldrete *et al.*, 2018.

Myopsocus minor (New & Thornton). Colombia (V): Garcia Aldrete *et al.*, 2018.

Myopsocus minutus (Mockford). Colombia (V): Garcia Aldrete *et al.*, 2018.

4. Additions to the Bibliography

NOTE: Complete bibliographical references to publications cited in the present paper, which are not listed here, can be found in the World Bibliography (Lienhard & Smithers, 2002: 493–664) or in Parts 1 to 17 of the "Additions"; see also **Synthesis of Parts 1–10** in Lienhard, 2016: "Psocid News Special Issue 3".

Remarks: Papers with two authors are listed in alphabetical order of second authors after the chronological list of papers with the first author as unique author. Papers with more than two authors (i. e. "first author *et al.*"-papers) are listed chronologically after the two-author papers. References to papers published in the same year are distinguished by suffix-letters added to the publication year. No cross-references to co-authors or editors are given.

For a **subject bibliography** see below and Lienhard (2016c). Starting with 2017 (Part 16 of the Additions) a subject bibliography is included at the end of each Part of the Additions.

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5. Corrections to Lienhard & Smithers, 2002

Remark: These "Corrections" refer to the pages of Lienhard & Smithers (2002).

226: *Leptopsocus* Reuter.... Synonymy: Reuter, 1909: 204. See also discussion in Reuter, 1904: 18–20.

237: *Leptopsocus exiguus* Reuter.... Synonymy: Reuter, 1909: 204.

6. Subject Bibliography for Part 18 of the Additions

NOTE: A Subject Bibliography for Lienhard & Smithers (2002) and for Parts 1–15 of the Additions is given by Lienhard, 2016, as "Psocid News Special Issue 2"). Starting with 2017 (Part 16 of the Additions) a subject bibliography is included at the end of each Part of the Additions.

Biogeography

2017 Avtzis *et al.*, 2017 (Add. 18) (non-native species, Greece, *Liposcelis* etc.)

2017 Roman Palacios *et al.*, 2017 (Add. 18) (Psocidae)

Biology, life history, physiology, genetics

2016 Bouget, 2016 (Add. 18) (copulation)

2018 Athanassiou *et al.*, 2018 (Add. 18) (cold tolerance of all life stages in *Liposcelis bostrychophila*)

2018 Diaz-Montano *et al.*, 2018 (Add. 18) (light attraction, *Liposcelis*)

2018 Feng Shiqian *et al.*, 2018a (Add. 18) (*Liposcelis* spp., mitochondrial genome)

2018 Feng Shiqian *et al.*, 2018b (Add. 18) (*Lepinotus* and *Dorypteryx*, mitochondrial genome)

2018 Hamilton *et al.*, 2018 (Add. 18) (genetics, sex ratio distortion, *Liposcelis*)

2018 Soffan *et al.*, 2018 (Add. 18) (genetics, odorant coreceptor (Orco))

2018 Yoshizawa *et al.*, 2018a (Add. 18) (*Neotrogla* spp., switching valve in spermatheca)

2018 Yoshizawa *et al.*, 2018b (Add. 18) (female penis and male vagina in Prionoglarididae)

Collections

2018 Lonsdale & Locke, 2018 (Add. 18) (types in Canadian National Collection)

Ecology

2017 Mondal & Rojo, 2017 (Add. 18) (on dipterocarp saplings, Philippines)
2018 Ansaloni *et al.*, 2018 (Add. 18) (psocids inhabiting insect galls)
2018 Georgiev & Ivanova, 2018b (Add. 18) (cave fauna, Bulgaria)
2018 Jimenez-Chacon *et al.*, 2018 (Add. 18) (soil litter fauna, Spain)
2018 Kamimura *et al.*, 2018 (Add. 18) (cave populations of *Neotroglia* spp.)
2018 Mo Wei *et al.*, 2018 (Add. 18) (soil fauna, China)
2018 Morales-Silva *et al.*, 2018 (Add. 18) (on fruits and seeds, Brazil)
2018 Porhajasova *et al.*, 2018 (Add. 18) (in sugar beet stands)

General treatises, keys, bibliographies

2016 Silva Neto & Garcia Aldrete, 2016 (Add. 18) (online database for Brazilian Psocoptera)
2018 Garcia Aldrete *et al.*, 2018 (Add. 18) (key to families and species checklist for Colombia)
2018 Lienhard, 2018 (Add. 18) (additions to the World Catalogue and Bibliography, Part 17)
2018 Mockford, 2018b (Add. 18) (biodiversity, classification).
2018 Schneider & Hollier, 2018 (Add. 18) (list of publications by Charles Lienhard)

History, biographies

2018 Schneider & Hollier, 2018 (Add. 18) (biography of Charles Lienhard with list of publications)

Morphology, anatomy

2018 Boudinot, 2018 (Add. 18) (male genital homologies in Hexapoda; Psocodea mentioned)
2018 Garcia Aldrete, 2018 (Add. 18) (variability of wing venation in Epipsocidae)
2018 Lima *et al.*, 2018 (Add. 18) (variability of wing venation in Ptiloneuridae)
2018 Ogawa & Yoshizawa, 2018a, 2018b (Add. 18) (stigmatopophysis)
2018 Yoshizawa *et al.*, 2018a (Add. 18) (*Neotroglia* spp., switching valve in spermatheca)

Nomenclature

2018 Lienhard & Yoshizawa, 2018 (Add. 18) (authorities for family-group names for Trogiomorpha)

Palaeontology

2017 Guo Mingxia *et al.*, 2017 (Add. 18) (Burmese amber)
2017 Hakim *et al.*, 2017 (Add. 18) (Psyllipsocidae, Burmese amber)
2017 Roman Palacios *et al.*, 2017 (Add. 18) (Psocidae)
2017 Ross, 2017b, 2018a, 2018b (Add. 18) (Burmese amber, checklist)
2018 Azar *et al.*, 2018 (Add. 18) (Trogiidae, Eocene Fushun amber)
2018 Hakim *et al.*, 2018 (Add. 18) (Lepidopsocidae, Miocene Dominican amber)
2018 Johnson *et al.*, 2018a (Add. 18) (fossil Liposcelididae used as calibration point)
2018 Schmidt *et al.*, 2018 (Add. 18) (one unidentified specimen from amber, New Zealand)

Pests

2017 Fizialetti *et al.*, 2017 (Add. 18) (*Liposcelis* and *Dorypteryx* in library)
2017 Valbuza *et al.*, 2017 (Add. 18) (*Liposcelis* etc.)
2017 Wagan *et al.*, 2017 (Add. 18) (effects of transgenic rice on community structure, *Liposcelis*)
2018 Athanassiou *et al.*, 2018 (Add. 18) (control, *Liposcelis*)
2018 Cao Ju-Qin *et al.*, 2018a, 2018b (Add. 18) (control, *Liposcelis*)
2018 Fonseca Valbuza *et al.*, 2018 (Add. 18) (*Liposcelis* etc., in dehydrated plants)
2018 Guo Shan-Shan *et al.*, 2018 (Add. 18) (toxicity of essential oils, *Liposcelis*)
2018 Hubert *et al.*, 2018 (Add. 18) (stored products, Psoc. mentioned without details)
2018 Quan Meirong *et al.*, 2018 (Add. 18) (toxicity of essential oil, *Liposcelis*)
2018 Wang Yang *et al.*, 2018 (Add. 18) (control, *Liposcelis*)
2018 Yin Cancan *et al.*, 2018 (Add. 18) (risk of louse-borne rickettsioses to humans in contact with herbs)

Phylogeny, evolution, classification

- 2017 Roman Palacios *et al.*, 2017 (Add. 18) (evolution of Psocidae)
2018 Feng Shiqian *et al.*, 2018a (Add. 18) (*Liposcelis* spp., mitochondrial genome)
2018 Feng Shiqian *et al.*, 2018b (Add. 18) (Psocodea phylogeny, mitochondrial genome)
2018 Hosken *et al.*, 2018 (Add. 18) (female penis of *Neotrogla* mentioned, sexual selection)
2018 Johnson *et al.*, 2018a (Add. 18) (evolution of lice, fossil Liposcelididae used as calibration point)
2018 Johnson *et al.*, 2018b (Add. 18) (phylogeny of hemipteroids)
2018 Ogawa & Yoshizawa, 2018a, 2018b (Add. 18) (evolution of stigmaphophysis)
2018 Stork, 2018 (Add. 18) (species diversity: 5720 described spp. of Psoc., according to Zhang, Z.-Q. 2011)
2018 Yoshizawa *et al.*, 2018b (Add. 18) (molecular phylogeny of Sensitibillini)

Predators, parasites, parasitoids

- 2017 Loera-Padilla *et al.*, 2017 (Add. 18) (predation by bats, Psoc. probably ingested accidentally, Mexico)
2018 Dennis, 2018 (Add. 18) (Diptera Asilidae as predators)
2018 Gillespie *et al.*, 2018 (Add. 18) (*Rickettsia felis*, *Liposcelis*, reproductive parasitism)
2018 Yin Cancan *et al.*, 2018 (Add. 18) (*Rickettsia* in psocids, *Liposcelis*)

Techniques

- 2017 Orfinger *et al.*, 2017 (Add. 18) (pan traps, USA)
2018 Kamimura *et al.*, 2018 (Add. 18) (microsatellite markers developed for *Neotrogla* spp.)
2018 Yoshizawa *et al.*, 2018a (Add. 18) (high-resolution synchrotron microcomputed tomography used for analysis of spermathecal structures in *Neotrogla* spp.)

EDITORIAL

"Psocid News" publishes any kinds of topics (formal or informal) that may be interesting for psocidologists, but articles containing official nomenclatural acts (e.g. descriptions of new taxa, proposals of new combinations or new synonyms) will not be accepted for publication by the editor (see below).

Psocid News (ISSN 1348-1770) is only distributed electronically and is available at:

- PsocoNet Homepage <<http://www.psocodea.org>>
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Next issue. About Feb. 2020. Please let me have all contributions by Jan. 31 2020.

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