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Psocid News

The Psocidologists' Newsletter

No. 16 (March 4, 2014)



Neotrogla curvata (Photo by Rodrigo Ferreira)

ADDITIONS AND CORRECTIONS (PART 13) TO LIENHARD & SMITHERS, 2002: "PSOCOPTERA (INSECTA) – WORLD CATALOGUE AND BIBLIOGRAPHY"

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1. Introduction

This is the 13th part of a series of "Additions and Corrections to the World Catalogue and Bibliography" (Lienhard & Smithers, 2002) published in "Psocid News". Parts 1-12 were published in Psocid News no. 4-15 (see below); a **Synthesis of Parts 1-10** is available online at the Geneva Museum's homepage: "http://www.ville-ge.ch/mhng/psocoptera/divers/synthesis_add_1_10.pdf"

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 (cf. pp. xl-xli). Families (and higher categories, if mentioned) are listed according to Table 1 of Lienhard & Smithers (2002), except for changes published since (see "Additions", Parts 1-12). 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 usually 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 (cf. 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 endings to the grammatical gender of the genus name).

2. List of countries mentioned in the "Additions and Corrections to the World Catalogue" (Parts 1-13)

Country checklists of Psocoptera species extracted from Lienhard & Smithers (2002) are available online at: <http://www.ville-ge.ch/mhng/psocoptera/page/ps-coun.htm>

All additional species records are mentioned in the "Additions and Corrections to the World Catalogue" and all countries mentioned in Parts 1 to 13 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, mainly from amber (**A**). 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** available at:

http://www.ville-ge.ch/mhng/psocoptera/divers/synthesis_add_1_10.pdf

- 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)
- Parts 1-10 – see URL above** (= Lienhard, 2011c)
- Part 11 – Psocid News, no. 14 (2012): 1-13 (= Lienhard, 2012a)
- Part 12 – Psocid News, no. 15 (2013): 1-21 (= Lienhard, 2013)
- Part 13 – published in Psocid News, no. 16 (2014) (= present issue)

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

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

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

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

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

(VI) Ghana (Part 4), Guinea (Part 1), Kenya (Part 4), Madagascar (Part 5), Malawi (Part 3), Namibia (Parts 1, 6, 7, 8, 10), South Africa (Parts 3, 6, 7, 8, 11), Tanzania (Parts 3, 4), Uganda (Part 6)

(VIII) Brunei (Parts 5, 6), China (Parts 2, 3, 5, 6, 7, 8, 9, 10, 11, 12, 13), Hong Kong (Part 5), India (Parts 3, 5, 6, 7, 11), Indonesia (Parts 1, 3, 5, 6, 10), Japan (Parts 1, 4, 6, 7, 8, 9, 10, 12), Kazakhstan (Part

13), Kuril Islands (Part 4), Kyrgyzstan (Part 5), Laos (Parts 5, 6), Malaysia (Parts 1, 5, 6, 8, 10), Myanmar (Parts 6, 8, 13), Nepal (Part 7), New Guinea (Parts 3, 5, 8), Philippines (Parts 3, 5, 6), Russia (Parts 1, 10, 11), SE-Asia (Part 7), Singapore (Part 5), Sri Lanka (Parts 4, 6), Taiwan (Parts 1, 6, 7, 8, 13), Thailand (Parts 1, 4, 5, 6, 9, 11), USSR (Parts 4, 9), Vietnam (Parts 4, 5, 6, 8, 13)

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

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

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

3. Additions to the Catalogue

Psocodea

Smith *et al.*, 2011 (phylogeny, coevolution with mammals and birds). Johnson *et al.*, 2013 (phylogenomics, methods). Li Hu *et al.*, 2013 (mitochondrial genome: Trogiomorpha + Psocomorpha considered as sister group of remaining Psocodea). Yoshizawa & Johnson, 2013 (molecular evolution).

Westphalopsocidae Azar, Nel, Engel & Bourgoïn, 2013; *in*: Nel *et al.*, 2013: 258 and Suppl. Inf. p. 11.

Westphalopsocus** Azar, Nel, Engel & Bourgoïn, 2013; *in*: Nel *et al.*, 2013: 258 and Suppl. Inf. p. 11.

Gender: M. Type species: *Westphalopsocus pumilio* Azar, Nel, Engel & Bourgoïn.

Westphalopsocus pumilio* Azar, Nel, Engel & Bourgoïn, 2013; *in*: Nel *et al.*, 2013: 258 and Suppl. Inf. p. 11 and Extended Data Fig. 7. France (I), Carboniferous fossil, Moscovian (A). Oldest evidence of Psocodea.

Psocoptera

Neri, 2005: facsimile of oldest known scientific illustration of a psocid (Fig. 1, no. 5), from 1660 or 1661 (NOTE: the specimen figured is probably a young nymph of Psocomorpha). Floren, 2008: ecology, Poland (I). Poinar, 2011: nematode *Psocidonema dominicana* parasite of psocid, amber (A) from Dominican Republic (IV). Young, 2011: Texas (III), website. Zhang Zhi-Qiang, 2011 (up to year 2008: 5720 spp. known). Cardoso & Silveira, 2012: unidentified psocid as nest associate of Hymenoptera, Brazil (V). Garcia Aldrete, 2013: Mexico (IV), history of biodiversity knowledge, list of genera with species numbers, endemism, hot spot of biodiversity. Hawes & Greenslade, 2013: subantarctic islands (IX) (aerial dispersal). Li Yanhong *et al.*, 2013: China (VIII), ecology, soil fauna. Lienhard, 2013 (additions to the World Catalogue and Bibliography, Part 12). Mockford *et al.*, 2013 (comparison of psocid fauna from Cretaceous amber with fauna from Baltic amber and extant fauna). Roy *et al.*, 2013 (in bird nests). Walton, 2013 (terrestrial salamander as predator). Yoshizawa, 2013 (Newsletter). Opit *et al.*, 2014: stored-product psocids, website.

Cicadellium dipsas Westwood, 1854. Species assigned to Psocoptera by Shcherbakov, 2012: 19. Great Britain (I), impression fossil from Early Cretaceous, Late Berriasian (A).

Trogiomorpha

Empheriopsis Vishnyakova. Mockford *et al.*, 2013: 3 (genus placed in Trogiomorpha *incertae sedis*, from Psocoptera *incertae sedis*). Late Cretaceous amber, Russia (A).

Parapsyllipsocus Perrichot, Azar, Néraudeau & Nel, 2003. Mockford *et al.*, 2013: 3 (genus placed in Trogiomorpha *incertae sedis*). Early Cretaceous amber, France (A).

Archaeatropidae

Archaeatropos Baz & Ortuño. Mockford *et al.*, 2013: 4 (etymology of genus name explained).

Archaeatropos perantiqua (Cockerell). Mockford *et al.*, 2013: 5 (from *Psylloneura*). Burmese amber from Cretaceous, Myanmar (A).

Archaeatropos randatae (Azar & Nel, 2004). Mockford *et al.*, 2013: 5 (from *Libanoglaris*). Early Cretaceous amber, Lebanon (A).

Bcharreglaris Azar & Nel, 2004. Mockford *et al.*, 2013: 5 (from Trogiomorpha *incertae sedis*). Early Cretaceous amber, Lebanon (A).

Libanoglaris Azar, Perrichot, Néraudeau & Nel, 2003. Mockford *et al.*, 2013: 6 (from Trogiomorpha *incertae sedis*). Early Cretaceous amber, Lebanon (A).

Libanoglaris mouawadi Azar, Perrichot, Néraudeau & Nel, 2003. Mockford *et al.*, 2013: 6 (further description). Early Cretaceous amber, Lebanon (A).

- Proprioglaris*** Perrichot, Azar, Néraudeau & Nel, 2003. Mockford *et al.*, 2013: 7 (**from** *Trogiomorpha incertae sedis*). Early Cretaceous amber, France (A).
- Prospeleketor*** Perrichot, Azar, Néraudeau & Nel, 2003. Mockford *et al.*, 2013: 7 (**from** *Trogiomorpha incertae sedis*). Early Cretaceous amber, France (A).
- Setoglaris*** Azar & Nel, 2004. Mockford *et al.*, 2013: 7 (**from** *Trogiomorpha incertae sedis*). Early Cretaceous amber, Lebanon (A).

Empheriidae

- Mockford *et al.*, 2013: 8 (remark on morphology).
- Empheropsocus*** Baz & Ortuño, 2001. Mockford *et al.*, 2013: 8 (remark on morphology). Early Cretaceous amber, Spain (A).
- Jerseyempheria*** Azar, Nel & Petrulevicius, 2010. Mockford *et al.*, 2013: 8 (remark on morphology). Late Cretaceous amber, USA (New Jersey) (A).
- Preempheria*** Baz & Ortuño, 2001. Mockford *et al.*, 2013: 9 (remark on morphology). Early Cretaceous amber, Spain (A).

Lepidopsocidae

- Lepidopsocidae gen. spec. Genet. (mitochondrial genome): Simon & Hadrys, 2013; Li Hu *et al.*, 2013.
- Cyptophania*** Banks. Revised diagnosis and key to species: Mockford & Wynne, 2013 (synonymy with *Ptenocorium* Enderlein questionable).
- Cyptophania alutacea*** (Enderlein). Discussion: Mockford & Wynne, 2013: 448 (probably inclusion in *Cyptophania* not justified).
- Cyptophania australica**** Mockford & Wynne, 2013: 446. Australia (IX).
- Cyptophania costalis**** Mockford & Wynne, 2013: 447. Puerto Rico, Mexico (IV), USA (III).
- Cyptophania hirsuta*** Banks. Redescription: Mockford & Wynne, 2013: 439. Mexico (IV): Garcia Aldrete, 2011d.
- Cyptophania pakaratii**** Mockford & Wynne, 2013: 445. Easter Island (X).
- Echmepteryx alpha*** Garcia Aldrete. Mexico (IV): Garcia Aldrete, 2011c, 2011d.
- Echmepteryx falco*** (Badonnel). Mexico (IV): Garcia Aldrete, 2011c, 2011d.
- Echmepteryx gracilis**** Mockford, 2012b: 2. Bahamas (III).
- Echmepteryx hamiltoni*** (Tillyard). New Zealand (IX): Smithers, 2010.
- Echmepteryx intermedia*** Mockford. Mexico (IV): Garcia Aldrete, 2011d.
- Echmepteryx madagascariensis*** (Kolbe). Mexico (IV): Garcia Aldrete, 2011d. New Zealand (IX): Smithers, 2010.
- Echmepteryx pacifica*** Garcia Aldrete. Mexico (IV): Garcia Aldrete, 2011c.
- Echmepteryx stylesi*** Smithers. New Zealand (IX): Smithers, 2010.
- Neolepolepis caribensis*** (Turner). Mexico (IV): Garcia Aldrete, 2011c, 2011d.
- Neolepolepis leticiae*** (Garcia Aldrete). Mexico (IV): Garcia Aldrete, 2011c.
- Proentomum personatum*** Badonnel. Mexico (IV): Garcia Aldrete, 2011c, 2011d.
- Pteroxanium kelloggi*** (Ribaga). Great Britain (I): Welch, 2012 (indoors). New Zealand (IX): Smithers, 2010.
- Pteroxanium marrisi*** Smithers. New Zealand (IX): Smithers, 2010.
- Soa flaviterminata*** Enderlein. Mexico (IV): Garcia Aldrete, 2011c, 2011d.
- Thylacella cubana*** (Banks). Mexico (IV): Garcia Aldrete, 2011c, 2011d.

Trogiidae

- Cerobasis*** spec. Mexico (IV): Garcia Aldrete, 2011d.
- Cerobasis guestfalica*** (Kolbe). Mexico (IV): Garcia Aldrete, 2011d. New Zealand (IX): Smithers, 2010.
- Cerobasis lineata**** Mockford, 2012b: 3. Bahamas (III).
- Eolepinotus*** Vishnyakova. Mockford *et al.*, 2013: 9 (placement in Trogiidae confirmed). Late Cretaceous amber, Russia (A).
- Lepinotus inquilinus*** Heyden. Mexico (IV): Garcia Aldrete, 2011c. New Zealand (IX): Smithers, 2010.
- Lepinotus patruelis*** Pearman. Luxembourg (I): Schneider & Weber, 2013. New Zealand (IX): Smithers, 2010.
- Lepinotus reticulatus*** Enderlein. China (VIII): Liang Feiyang *et al.*, 2012.
- Lepinotus tasmaniensis*** Hickman. New Zealand (IX): Smithers, 2010.
- Trogium evansorum*** Smithers. New Zealand (IX): Smithers, 2010.
- Trogium pulsatorium*** (Linnaeus). Czech Republic, Slovakia (I): Holusa, 2011, 2012a, 2012b, 2013 (eol.). New Zealand (IX): Smithers, 2010.

Psoquillidae

Psoquilla marginepunctata Hagen. Mexico (IV): Garcia Aldrete, 2011c, 2011d.

Rhyopsocus bentonae Sommerman. Mexico (IV): Garcia Aldrete, 2011d.

Rhyopsocus concavus Garcia Aldrete. Mexico (IV): Casasola-Gonzalez *et al.*, 2013 (ecology).

Rhyopsocus conformis Smithers. New Zealand (IX): Smithers, 2010.

Rhyopsocus maculosus Garcia Aldrete. Mexico (IV): Garcia Aldrete, 2011c.

Rhyopsocus ocotensis Garcia Aldrete. Mexico (IV): Garcia Aldrete, 2011c.

Rhyopsocus orthatus Thornton & Woo. Mexico (IV): Garcia Aldrete, 2011c.

Rhyopsocus texanus (Banks). Mexico (IV): Garcia Aldrete, 2011c.

Psyllipsocidae

Psyllipsocidae gen. spec. from Early Cretaceous amber, Lebanon (A): Mockford *et al.*, 2013: 9 (certain characters discussed).

Dorypteryx spec. Mexico (IV): Garcia Aldrete, 2011c.

Khatangia Vishnyakova. Mockford *et al.*, 2013: 10 (certain characters discussed). Late Cretaceous amber, Russia (A).

Psocathropos lachlani Ribaga. Mexico (IV): Garcia Aldrete, 2011c, 2011d.

Psyllipsocus spec. Mexico (IV): Garcia Aldrete, 2011c, 2011d.

*Psyllipsocus clunjunctus** Lienhard, 2013; *in*: Lienhard & Ferreira, 2013b: 424. Brazil (V).

Psyllipsocus oculatus Gurney. Mexico (IV): Casasola-Gonzalez *et al.*, 2013 (ecology).

Psyllipsocus ramburii Selys-Longchamps. Luxembourg (I): Schneider & Weber, 2013. Mexico (IV): Garcia Aldrete, 2011d. New Zealand (IX): Smithers, 2010.

*Psyllipsocus serrifer** Lienhard, 2013; *in*: Lienhard & Ferreira, 2013b: 429. Brazil (V).

*Psyllipsocus similis** Lienhard, 2013; *in*: Lienhard & Ferreira, 2013b: 433. Brazil (V).

Psyllipsocus yucatan Gurney. Brazil (V): Anonymous, 2012 (this is a summary of the paper by Lienhard *et al.*, 2012).

Prionoglarididae

Antennal morphology: Lienhard & Ferreira, 2013a:10.

*Neotroglia curvata** Lienhard & Ferreira, 2013a: 4. Brazil (V).

Prionoglaris stygia Enderlein. Luxembourg (I): Schneider & Weber, 2013 (ecol.).

Electrentomoidea

Mockford *et al.*, 2013: 10 (remark on phylogenetic position of the superfamily).

Globopsocus Azar & Engel, 2008. Mockford *et al.*, 2013: 10 (genus placed in *Electrentomoidea incertae sedis*, **from** Nanopsocetae: Sphaeropsocidae).

Globopsocus aquilonius Azar & Engel, 2008. Mockford *et al.*, 2013: 11 (remark on holotype). Late Cretaceous amber, Russia (A).

Libanomphientomum Choufani, Azar & Nel, 2011. Mockford *et al.*, 2013: 11 (genus placed in *Electrentomoidea incertae sedis*, **from** Aphientometae *incertae sedis*).

Libanomphientomum nudum Choufani, Azar & Nel, 2011. Mockford *et al.*, 2013: 12 (correct spelling of species name). Early Cretaceous amber, Lebanon (A).

Electrentomidae

Family concept discussed: Mockford *et al.*, 2013: 12.

Manicapsocidae Mockford, 1967. **Synonymy**: Lienhard, & Smithers, 2002: 51; confirmed by Mockford *et al.*, 2013: 12.

Paramesopsocidae Azar, Hajar, Indary & Nel, 2009. **Synonymy**: Mockford *et al.*, 2013: 12.

Epitroctes tuxtalarum Mockford. Mexico (IV): Garcia Aldrete, 2011d.

Manicapsocidus Baz & Ortuño, 2001. Mockford *et al.*, 2013: 12 (comparison with *Manicapsocus* Smithers). Early Cretaceous amber, Spain (A).

Paramesopsocus Azar, Hajar, Indary & Nel, 2009. Mockford *et al.*, 2013: 12 (**from** Psocomorpha: Paramesopsocidae).

Paramesopsocus adibi Azar, Hajar, Indary & Nel, 2009. Mockford *et al.*, 2013: 13 (discussion). Limestone from Late Jurassic, Kazakhstan (A).

Paramesopsocus lu Azar, Hajar, Indary & Nel, 2009. Mockford *et al.*, 2013: 13 (discussion). Early Cretaceous amber, Lebanon (A).

Compsocidae

Burmacompsocus banksi (Cockerell). Mockford *et al.*, 2013: 13 (**from** *Psyllipsocus*). Burmese amber from Cretaceous, Myanmar (A).

Compsocus elegans Banks. Mexico (IV): Garcia Aldrete, 2011c, 2011d.

Troctopsocidae

Troctopsoculus morenus Mockford. Mexico (IV): Garcia Aldrete, 2011d.

Musapsocidae

Musapsocus huastecanus Mockford. Mexico (IV): Garcia Aldrete, 2011d.

Musapsocus tabascensis Mockford. Mexico (IV): Garcia Aldrete, 2011c, 2011d.

Amphientomoidea

Mockford *et al.*, 2013: 14 (concept of the superfamily explained).

Amphientomidae

Arcantipsocidae Azar, Nel & Néraudeau, 2009. **Synonymy:** Mockford *et al.*, 2013: 14.

Arcantipsocus Azar, Nel & Néraudeau, 2009. Mockford *et al.*, 2013: 14 (**from** Psocomorpha: Arcantipsocidae). Early Cretaceous amber, France (A).

Lithoseopsis spec. Mexico (IV): Garcia Aldrete, 2011c, 2011d.

Lithoseopsis elongata (Mockford). Mexico (IV): Garcia Aldrete, 2011c.

Proamphientomum Vishnyakova. Mockford *et al.*, 2013: 15 (family placement confirmed). Late Cretaceous amber, Russia (A).

Seopsocus lacandonicus Garcia Aldrete, 2001b. Mexico (IV): Garcia Aldrete, 2011c.

Liposcelididae

Smith *et al.*, 2011: Phylogeny of lice, oldest fossil of Liposcelididae used for node calibration.

Belaphotroctes ghesquieri Badonnel. Mexico (IV): Garcia Aldrete, 2011c.

Cretoscelis Grimaldi & Engel, 2006. Mockford *et al.*, 2013: 15 (family placement confirmed). Burmese amber from Cretaceous, Myanmar (A).

Embidopsocus femoralis (Badonnel). Mexico (IV): Garcia Aldrete, 2011d.

Embidopsocus luteus Hagen. Mexico (IV): Garcia Aldrete, 2011c, 2011d.

Embidopsocus mexicanus Mockford. Mexico (IV): Garcia Aldrete, 2011c, 2011d.

Liposcelis spec. Mexico (IV): Garcia Aldrete, 2011c; Casasola-Gonzalez *et al.*, 2013 (ecology).

Liposcelis spec. Schoelitz, 2013 (biology).

Liposcelis bostrychophila Badonnel. Mexico (IV): Garcia Aldrete, 2011c, 2011d; Casasola-Gonzalez *et al.*, 2013 (ecology). Genetics: Li Hu *et al.*, 2013 (mitochondrial genome). Pest: Athanassiou *et al.*, 2013 (control); Dou Wei *et al.*, 2013 (genetics); Gautam *et al.*, 2013 (negative impact); Jiang Xuan-Zhao *et al.*, 2013 (genetics); Liang Yan *et al.*, 2013 (control); Yang Qianqian *et al.*, 2013a, 2013b (molecular identification).

Liposcelis brunnea Motschulsky. Pest: Yang Qianqian *et al.*, 2013a, 2013b (molecular identification).

Liposcelis corrosens (Heymons). Czech Republic, Slovakia (I): Holusa, 2011, 2012a, 2012b, 2013 (ecol.). New Zealand (IX): Smithers, 2010. Pest: Yang Qianqian *et al.*, 2013a, 2013b (molecular identification, barcoding technique).

Liposcelis decolor (Pearman). Pest: Gautam *et al.*, 2013 (negative impact); Yang Qianqian *et al.*, 2013a, 2013b (molecular identification).

Liposcelis divinatoria (Müller). Taiwan (VIII): Yao Me-Chin *et al.*, 2011 (pest).

Liposcelis entomophila (Enderlein). Mexico (IV): Garcia Aldrete, 2011c, 2011d. Pest: Gautam *et al.*, 2013 (negative impact); Wei Dan-Dan *et al.*, 2013 (genetics, insecticide resistance); Yang Qianqian *et al.*, 2013a, 2013b (molecular identification).

Liposcelis mendax Pearman. Mexico (IV): Garcia Aldrete, 2011d (ca. *mendax*). Pest: Yang Qianqian *et al.*, 2013a, 2013b (molecular identification).

Liposcelis paeta Pearman. Pest: Athanassiou *et al.*, 2013 (control); Gautam *et al.*, 2013 (negative impact); Yang Qianqian *et al.*, 2013a, 2013b (molecular identification).

Liposcelis pearmani Lienhard. Pest: Yang Qianqian *et al.*, 2013a, 2013b (molecular identification).

Liposcelis rufa Broadhead. Pest: Yang Qianqian *et al.*, 2013a, 2013b (molecular identification).

Liposcelis tricolor Badonnel. Pest: Yang Qianqian *et al.*, 2013a, 2013b (molecular identification).

Liposcelis yunnaniensis Li Fasheng & Li Zhihong. Biol.: Hassan *et al.*, 2013.

Pachytroctidae

Libanopsyllipsocus Azar & Nel, 2011. Mockford *et al.*, 2013: 16 (**from** Trogiomorpha: Psyllipsocidae).

Libanopsyllipsocus alexanderasnitsyni Azar & Nel, 2011. Mockford *et al.*, 2013: 16 (several characters discussed). Early Cretaceous amber, Lebanon (A).

Nanopsocus oceanicus Pearman. Mexico (IV): Garcia Aldrete, 2011c, 2011d.

Pachytroctes ixtapaensis Garcia Aldrete. Mexico (IV): Garcia Aldrete, 2011d.

Pachytroctes maculosus Garcia Aldrete. Mexico (IV): Garcia Aldrete, 2011c.

Tapinella bicolorata Garcia Aldrete. Mexico (IV): Garcia Aldrete, 2011c.

Tapinella maculata Mockford & Gurney. Mexico (IV): Garcia Aldrete, 2011c, 2011d.

Tapinella olmeca Mockford. Mexico (IV): Garcia Aldrete, 2011c, 2011d.

Tapinella vittata Garcia Aldrete. Mexico (IV): Garcia Aldrete, 2011c, 2011d.

Sphaeropsocidae

Key to genera: Mockford, 2013: 102.

Badonnelia titei Pearman. Great Britain (I): Welch, 2012 (indoors).

Asphaeropsocites Azar, Engel & Grimaldi, 2010. Mockford *et al.*, 2013: 17 (phylogenetic position discussed). Early Cretaceous amber, Lebanon (A).

Sphaeropsocites Grimaldi & Engel, 2006. Mockford *et al.*, 2013: 17 (phylogenetic position discussed). Early Cretaceous amber, Lebanon (A).

Sphaeropsocooides Grimaldi & Engel, 2006. Mockford *et al.*, 2013: 17 (comparison with *Sphaeropsocus* Hagen). Late Cretaceous amber, Canada, Alberta (A).

Sphaeropsocus Hagen. Revised diagnosis: Mockford, 2013: 102.

*Sphaeropsocus bicolor** Mockford, 2013: 103. USA (III).

Sphaeropsocus kuenowii Hagen. Further description: Mockford, 2013: 108. Baltic Amber, Tertiary (A).

Psocomorpha

Cretapsocus Vishnyakova. Mockford *et al.*, 2013: 18 (genus placed in Psocomorpha *incertae sedis*, **from** Elipsocidae). Late Cretaceous amber, Russia (A).

Epipsocetae

Garcia Aldrete *et al.*, 2013d: key to families and genera from Valle del Cauca and National Natural Park Gorgona, Colombia (V).

Epipsocidae

Epipsocidae gen spec. Colombia (V): Garcia Aldrete *et al.*, 2013d.

Bertkauia lucifuga (Rambur). Czech Republic, Slovakia (I): Holusa, 2011, 2012a, 2012b, 2013 (ecol.). Luxembourg (I): Schneider & Weber, 2013 (ecol.).

Edmockfordia spec. Colombia (V): Garcia Aldrete *et al.*, 2013d.

Epipsocus spec. Mexico (IV): Garcia Aldrete, 2011c, 2011d. Colombia (V): Garcia Aldrete *et al.*, 2013d.

Epipsocus badonneli Mockford. Colombia (V): Garcia Aldrete *et al.*, 2013d.

Epipsocus bullocki Garcia Aldrete, 2004b. Mexico (IV): Garcia Aldrete, 2011d.

Epipsocus petenensis Mockford. Mexico (IV): Garcia Aldrete, 2011d.

Goja spec. Colombia (V): Garcia Aldrete *et al.*, 2013d.

Goja acuphallica Casasola Gonzalez & Garcia Aldrete, 2002. Mexico (IV): Garcia Aldrete, 2011c.

Goja longispinosa Casasola Gonzalez & Garcia Aldrete, 2002. Mexico (IV): Garcia Aldrete, 2011c.

Goja medellini Casasola Gonzalez & Garcia Aldrete, 2002. Mexico (IV): Garcia Aldrete, 2011c.

Goja montieli Casasola Gonzalez & Garcia Aldrete, 2002. Mexico (IV): Garcia Aldrete, 2011c.

Goja moyai Casasola Gonzalez & Garcia Aldrete, 2002. Mexico (IV): Garcia Aldrete, 2011d.

Goja ocotensis Casasola Gonzalez & Garcia Aldrete, 2002. Mexico (IV): Garcia Aldrete, 2011c.

Goja oculatissima Casasola Gonzalez & Garcia Aldrete, 2002. Mexico (IV): Garcia Aldrete, 2011c.

Goja spinosissima Casasola Gonzalez & Garcia Aldrete, 2002. Mexico (IV): Garcia Aldrete, 2011c.

Goja vittata Casasola Gonzalez & Garcia Aldrete, 2002. Mexico (IV): Garcia Aldrete, 2011c.

Gojaoides spec. Colombia (V): Garcia Aldrete *et al.*, 2013d.

Gonzobandia nancyae Garcia Aldrete, 2012c. Colombia (V): Garcia Aldrete *et al.*, 2013d.

Mesepipsocus spec. Colombia (V): Garcia Aldrete *et al.*, 2013d.

Mesepipsocus brevistigma (New). Colombia (V): Garcia Aldrete *et al.*, 2013d.

Mesepipsocus clarus (Mockford). Mexico (IV): Garcia Aldrete, 2011c.

Neurostigma spec. Colombia (V): Garcia Aldrete *et al.*, 2013d.

Neurostigma dispositum Roesler. Mexico (IV): Garcia Aldrete, 2011c, 2011d.

Dolabellopsocidae

- Dolabellopsocus* spec. Colombia (V): Garcia Aldrete *et al.*, 2013d.
Dolabellopsocus lobatus Mockford. Colombia (V): Garcia Aldrete *et al.*, 2013d.
Dolabellopsocus roseus Eertmoed. Mexico (IV): Garcia Aldrete, 2011c, 2011d.
Dolabellopsocus similis Mockford. Colombia (V): Garcia Aldrete *et al.*, 2013d.
Isthmopsocus spec. Colombia (V): Garcia Aldrete *et al.*, 2013d.

Cladiopsocidae

- Cladiopsocus* spec. Colombia (V): Garcia Aldrete *et al.*, 2013d.
Cladiopsocus garciai Eertmoed. Mexico (IV): Garcia Aldrete, 2011d.
Cladiopsocus multimaculatus Eertmoed. Colombia (V): Garcia Aldrete *et al.*, 2013d.
Cladiopsocus ocotensis Garcia Aldrete. Mexico (IV): Garcia Aldrete, 2011c.

Ptiloneuridae

- Colocania* (manuscript name). Garcia Aldrete *et al.*, 2013d.
Colocania spec. Colombia (V): Garcia Aldrete *et al.*, 2013d.
Euplocania Enderlein. Species groups: Garcia Aldrete *et al.*, 2013b: 151.
Euplocania spec. Nicaragua (IV); Brazil, Colombia, Ecuador (V): Garcia Aldrete *et al.*, 2013b. Colombia (V): Garcia Aldrete *et al.*, 2013d.
Euplocania amabilis Enderlein. Paraguay (V): Garcia Aldrete *et al.*, 2013b.
Euplocania badonneli New & Thornton. Peru, Brazil (V): Garcia Aldrete *et al.*, 2013b.
Euplocania cerata New. Brazil, Peru (V): Garcia Aldrete *et al.*, 2013b.
Euplocania maculata New & Thornton. Peru (V): Garcia Aldrete *et al.*, 2013b.
Euplocania marginata New & Thornton. Peru, Brazil (V): Garcia Aldrete *et al.*, 2013b.
Euplocania picta New. Brazil (V): Garcia Aldrete *et al.*, 2013b.
Euplocania pictaoides Garcia Aldrete. Peru (V): Garcia Aldrete *et al.*, 2013b.
*Euplocania reyesi** Garcia Aldrete, Gonzalez Obando & Carrejo, 2013b: 149. Colombia (V).
Euplocania zelayensis Garcia Aldrete, 2001g. Nicaragua (IV): Garcia Aldrete *et al.*, 2013b.
Loneura spec. Colombia (V): Garcia Aldrete *et al.*, 2013d.
Loneura andina Garcia Aldrete, Mendivil Nieto & Gonzalez Obando, 2012. Colombia (V): Garcia Aldrete *et al.*, 2013d.
Loneura crenata Navas. Mexico (IV): Garcia Aldrete, 2011c, 2011d.
Loneura gorgonaensis Garcia Aldrete, Gonzalez & Sarria, 2011. Colombia (V): Garcia Aldrete *et al.*, 2013d.
Loneura insularis Garcia Aldrete, Gonzalez & Sarria, 2011. Colombia (V): Garcia Aldrete *et al.*, 2013d.
Loneura mirandaensis Garcia Aldrete, 2007a. Colombia (V): Garcia Aldrete *et al.*, 2013d.
Loneura monticola Garcia Aldrete, Gonzalez & Sarria, 2011. Colombia (V): Garcia Aldrete *et al.*, 2013d.
Loneura splendida Mockford. Mexico (IV): Garcia Aldrete, 2011c, 2011d.
Loneura tuluensis Garcia Aldrete, Mendivil Nieto & Gonzalez Obando, 2012. Colombia (V): Garcia Aldrete *et al.*, 2013d.
Loneuroides venezolanus Garcia Aldrete, 2006a. Colombia (V): Garcia Aldrete *et al.*, 2013d.
Triplocania spec. Colombia (V): Garcia Aldrete *et al.*, 2013d.
*Triplocania palaciosi** Garcia Aldrete & Casasola Gonzalez, 2012: 135. Mexico (IV).
Triplocania spinosa Mockford. Mexico (IV): Garcia Aldrete, 2011c, 2011d.
Triplocania vazquezae Garcia Aldrete. Mexico (IV): Garcia Aldrete, 2011c, 2011d.

Asiopsocidae

- Asiopsocus tehuacanus* Garcia Aldrete & Casasola. Mexico (IV): Casasola-Gonzalez *et al.*, 2013 (ecology).
Notiopsocus spec. Mexico (IV): Garcia Aldrete, 2011c, 2011d.

Caeciliusidae

- Caecilius* spec. New Zealand (IX): Smithers, 2010.
Caecilius fuscopterus (Latreille). Czech Republic, Slovakia (I): Holusa, 2010, 2011, 2012a, 2012b, 2013 (ecol.). Russia (I): Kanervo & Kozlov, 2014 (ecol.).
Enderleinella obsoleta (Stephens). Czech Republic, Slovakia (I): Holusa, 2011, 2012a, 2012b, 2013 (ecol.). Russia (I): Kanervo & Kozlov, 2014 (ecol.).
Maoripsocus fastigatus (Smithers). New Zealand (IX): Smithers, 2010.
Maoripsocus semifuscatus Tillyard. New Zealand (IX): Smithers, 2010 (name misspelled *semifasciatus*).

Orocaecilius chiapensis Mockford. Mexico (IV): Garcia Aldrete, 2011c.
Paracaecilius spec. New Zealand (IX): Smithers, 2010.
Paracaecilius zelandicus (Tillyard). New Zealand (IX): Smithers, 2010.
Stenocaecilius antillanus (Banks). Mexico (IV): Garcia Aldrete, 2011c, 2001d.
Stenocaecilius casarum (Badonnel). Mexico (IV): Garcia Aldrete, 2011c, 2011d.
Valenzuela spec. Mexico (IV): Garcia Aldrete, 2011c, 2011d; Casasola-Gonzalez *et al.*, 2013 (ecology).
Valenzuela atricornis (McLachlan). Czech Republic, Slovakia (I): Holusa, 2011, 2012a, 2012b, 2013 (ecol.). Great Britain (I): Denton, 2011 (ecol.).
Valenzuela burmeisteri (Brauer). Czech Republic, Slovakia (I): Holusa, 2011, 2012a, 2012b, 2013 (ecol.). Finland, Russia (I): Kanervo & Kozlov, 2014 (ecol.).
Valenzuela caloclypeus (Mockford & Gurney). Mexico (IV): Garcia Aldrete, 2011d.
Valenzuela croesus (Chapman). Mexico (IV): Garcia Aldrete, 2011c.
Valenzuela despaxi (Badonnel). Czech Republic, Slovakia (I): Holusa, 2011, 2012a, 2012b, 2013 (ecol.). Finland, Norway (I): Kanervo & Kozlov, 2014 (ecol.).
Valenzuela distinctus (Mockford). Mexico (IV): Garcia Aldrete, 2011d.
Valenzuela elegantoides (Mockford). Mexico (IV): Garcia Aldrete, 2011c.
Valenzuela flavidus (Stephens). Mexico (IV): Garcia Aldrete, 2011c. Czech Republic, Slovakia (I): Holusa, 2010, 2011, 2012a, 2012b, 2013 (ecol.). Finland, Norway, Russia (I): Kanervo & Kozlov, 2014 (ecol.).
Valenzuela flavistigma (Tillyard). New Zealand (IX): Smithers, 2010.
Valenzuela flavus (Smithers). New Zealand (IX): Smithers, 2010.
Valenzuela gynapterus (Tetens). Czech Republic, Slovakia (I): Holusa, 2010, 2011, 2012a, 2012b, 2013 (ecol.). Russia (I): Kanervo & Kozlov, 2014 (ecol.).
Valenzuela incoloratus (Mockford). Bahamas (III): Mockford, 2012b.
Valenzuela mexicanus (Enderlein). Mexico (IV): Garcia Aldrete, 2011c, 2011d.
Valenzuela piceus (Kolbe). Czech Republic, Slovakia (I): Holusa, 2010, 2011, 2012a, 2012b, 2013 (ecol.). Russia (I): Kanervo & Kozlov, 2014 (ecol.).
Valenzuela podacrophaeus (Enderlein). Mexico (IV): Garcia Aldrete, 2011d.
Valenzuela totonacus (Mockford). Mexico (IV): Garcia Aldrete, 2011c, 2011d; Casasola-Gonzalez *et al.*, 2013 (ecology).
Valenzuela veracruzensis (Mockford). Mexico (IV): Garcia Aldrete, 2011c, 2011d.
Xanthocaecilius anahuacensis Mockford. Mexico (IV): Garcia Aldrete, 2011c.
Xanthocaecilius brevicornis Mockford. Mexico (IV): Garcia Aldrete, 2011c, 2011d.
Xanthocaecilius granulosus Mockford. Mexico (IV): Garcia Aldrete, 2011c, 2011d.

Stenopsocidae

Graphopsocus cruciatus (Linnaeus). Czech Republic, Slovakia (I): Holusa, 2010, 2011, 2012a, 2012b, 2013 (ecol.).
Graphopsocus mexicanus Enderlein. Mexico (IV): Garcia Aldrete, 2011c, 2011d.
*Graphopsocus vietnamicus** Liang Feiyang, Li Fasheng & Liu Xingyue, 2013: 42. Vietnam (VIII).
Stenopsocus immaculatus (Stephens). Czech Republic, Slovakia (I): Holusa, 2010, 2011, 2012a, 2012b, 2013 (ecol.). Russia (I): Kanervo & Kozlov, 2014 (ecol.).
Stenopsocus lachlani Kolbe. Czech Republic, Slovakia (I): Holusa, 2011, 2012a, 2012b, 2013 (ecol.). Norway, Russia (I): Kanervo & Kozlov, 2014 (ecol.).
Stenopsocus stigmaticus (Imhoff & Labram). Czech Republic, Slovakia (I): Holusa, 2011, 2012a, 2012b, 2013 (ecol.).

Amphipsocidae

Dasypsocus roesleri (New & Thornton). Mexico (IV): Garcia Aldrete, 2011c.
Kolbia quisquiliarum Bertkau. Czech Republic, Slovakia (I): Holusa, 2010, 2011, 2012a, 2012b, 2013 (ecol.).
Polypsocus spec. Mexico (IV): Garcia Aldrete, 2011c, 2011d (ca. *corruptus*).

Dasydemellidae

Dasydemella spec. Mexico (IV): Garcia Aldrete, 2011c, 2011d.
Dasydemella silvestrii Enderlein. Mexico (IV): Garcia Aldrete, 2011c, 2011d.

Lachesillidae

Lachesillidae: Key to genera from Valle del Cauca and PNN Gorgona, Colombia (V): Gonzalez Obando *et al.*, 2013: 59.

Lachesillidae: Gen. spec. Colombia (V): Gonzalez Obando *et al.*, 2013.

Graphocaeciliini: Key to genera: Garcia Aldrete *et al.*, 2013a: 564.

Anomolachesilla** Garcia Aldrete, Gonzalez Obando & Carrejo, 2012c: 92. Gender: F. Type species: *Anomolachesilla palaciosi* Garcia Aldrete, Gonzalez Obando & Carrejo. Genus assigned to Eolachesillinae: Graphocaeciliini.

Anomolachesilla caldasiana* Garcia Aldrete, Gonzalez Obando & Carrejo, 2012c: 92. Colombia (V). Colombia (V): Gonzalez Obando *et al.*, 2013.

Anomolachesilla palaciosi* Garcia Aldrete, Gonzalez Obando & Carrejo, 2012c: 92. Colombia (V). Colombia (V): Gonzalez Obando *et al.*, 2013.

Anomopsocus spec. a (*sensu* Mockford & Sullivan, 1986). Mexico (IV): Garcia Aldrete, 2011c, 2011d. Colombia (V): Gonzalez Obando *et al.*, 2013.

Archaelachesis Vishnyakova. Mockford *et al.*, 2013: 19 (family placement confirmed). Late Cretaceous amber, Russia (A).

Ceratolachesillus quinquecornus Li Fasheng, 2002a. Male terminalia figured: Garcia Aldrete *et al.*, 2013c.

Dagualachesilla** Garcia Aldrete, Gonzalez Obando & Carrejo, 2013a: 556. Gender: F. Type species: *Dagualachesilla anchicayaensis* Garcia Aldrete, Gonzalez Obando & Carrejo. Genus assigned to Eolachesillinae: Graphocaeciliini. Key to species.

Dagualachesilla spec. Colombia (V): Gonzalez Obando *et al.*, 2013.

Dagualachesilla anchicayaensis* Garcia Aldrete, Gonzalez Obando & Carrejo, 2013a: 556. Colombia (V). Colombia (V): Gonzalez Obando *et al.*, 2013.

Dagualachesilla queremalensis* Garcia Aldrete, Gonzalez Obando & Carrejo, 2013a: 560. Colombia (V). Colombia (V): Gonzalez Obando *et al.*, 2013.

Dagualachesilloides** Garcia Aldrete, Gonzalez Obando & Carrejo, 2013a: 556. Gender: M. Type species: *Dagualachesilloides caliensis* Garcia Aldrete, Gonzalez Obando & Carrejo. Genus assigned to Eolachesillinae: Graphocaeciliini.

Dagualachesilloides caliensis* Garcia Aldrete, Gonzalez Obando & Carrejo, 2013a: 562. Colombia (V). Colombia (V): Gonzalez Obando *et al.*, 2013.

Graphocaecilius spec. Colombia (V): Gonzalez Obando *et al.*, 2013.

Graphocaecilius interpretatus Roesler. Colombia (V): Gonzalez Obando *et al.*, 2013.

Graphocaecilius peruvianus Mockford & Sullivan. Colombia (V): Gonzalez Obando *et al.*, 2013.

Graphocaecilius vartyi Turner. Colombia (V): Gonzalez Obando *et al.*, 2013.

Hemicaecilius spec. Colombia (V): Gonzalez Obando *et al.*, 2013.

Hemicaecilius mockfordi Garcia Aldrete, Gonzalez Obando & Carrejo, 2012. Colombia (V): Gonzalez Obando *et al.*, 2013.

Hemicaecilius nicolasi Garcia Aldrete, Gonzalez Obando & Carrejo, 2012. Colombia (V): Gonzalez Obando *et al.*, 2013.

Hemicaecilius rauli Garcia Aldrete, Gonzalez Obando & Carrejo, 2012. Colombia (V): Gonzalez Obando *et al.*, 2013.

Hemicaecilius smithersi Garcia Aldrete, Gonzalez Obando & Carrejo, 2012. Colombia (V): Gonzalez Obando *et al.*, 2013.

Lachesilla Westwood. Key to females of South American species of the *andra* group: Garcia Aldrete & Silva Neto, 2013: 395.

Key to species groups from Valle del Cauca and PNN Gorgona, Colombia: Gonzalez Obando *et al.*, 2013: 59.

Lachesilla spec. Mexico (IV): Garcia Aldrete, 2011c, 2011d. Colombia (V): Gonzalez Obando *et al.*, 2013

Lachesilla acuminiforceps Garcia Aldrete. Mexico (IV): Garcia Aldrete, 2011c, 2011d.

Lachesilla anahuacensis Mockford, 2002a. Mexico (IV): Garcia Aldrete, 2011c, 2011d.

Lachesilla asperiforceps Garcia Aldrete, 2001f. Mexico (IV): Garcia Aldrete, 2011c.

Lachesilla aethiopica (Enderlein). Mexico (IV): Garcia Aldrete, 2011c, 2011d. Colombia (V): Gonzalez Obando *et al.*, 2013.

Lachesilla aspera Garcia Aldrete. Mexico (IV): Garcia Aldrete, 2011d.

Lachesilla asymmetriproctus Garcia Aldrete, 2008b. Male terminalia figured: Garcia Aldrete *et al.*, 2013c (name misspelled *assymetriproctus*).

Lachesilla bicornata New & Thornton. Colombia (V): Gonzalez Obando *et al.*, 2013.

Lachesilla bifurcata Garcia Aldrete. Mexico (IV): Garcia Aldrete, 2011c, 2011d.

Lachesilla bottimeri Mockford & Gurney. Mexico (IV): Garcia Aldrete, 2011d.

Lachesilla carinata Garcia Aldrete. Mexico (IV): Garcia Aldrete, 2011c, 2011d.
Lachesilla carpinteroi Garcia Aldrete, 2010a. Male terminalia figured: Garcia Aldrete *et al.*, 2013c.
Lachesilla centralis Garcia Aldrete. Mexico (IV): Garcia Aldrete, 2011d.
Lachesilla cerorma Garcia Aldrete, 2010a. Male terminalia figured: Garcia Aldrete *et al.*, 2013c.
*Lachesilla cesarcardonai** Garcia Aldrete, Gonzalez Obando & Saldaña, 2013: 55. Colombia (V).
Lachesilla chamula Garcia Aldrete. Mexico (IV): Garcia Aldrete, 2011c.
Lachesilla chiapensis Garcia Aldrete. Mexico (IV): Garcia Aldrete, 2011c.
Lachesilla cintalapa Garcia Aldrete. Mexico (IV): Garcia Aldrete, 2011c.
Lachesilla convexcicornis Garcia Aldrete, 2008b. Male terminalia figured: Garcia Aldrete *et al.*, 2013c.
Lachesilla cuala Garcia Aldrete. Mexico (IV): Garcia Aldrete, 2011c, 2011d.
Lachesilla cupressicola Garcia Aldrete. Mexico (IV): Garcia Aldrete, 2011c.
Lachesilla curviforceps Garcia Aldrete. Mexico (IV): Garcia Aldrete, 2011d.
Lachesilla dasylirionicola Garcia Aldrete. Mexico (IV): Garcia Aldrete, 2011d.
Lachesilla delta Garcia Aldrete. Mexico (IV): Garcia Aldrete, 2011d.
Lachesilla denticulata Garcia Aldrete. Mexico (IV): Garcia Aldrete, 2011c, 2011d.
*Lachesilla diamantina** Garcia Aldrete & Silva Neto, 2013: 392 (assigned to *andra* group). Brazil (V).
Lachesilla disjuncta Garcia Aldrete. Mexico (IV): Garcia Aldrete, 2011c.
Lachesilla dispariforceps Mockford. Mexico (IV): Garcia Aldrete, 2011c, 2011d.
Lachesilla ecuatoriana Garcia Aldrete. Mexico (IV): Garcia Aldrete, 2011c. Colombia (V): Gonzalez Obando *et al.*, 2013.
Lachesilla estradaorum Garcia Aldrete. Mexico (IV): Garcia Aldrete, 2011d.
Lachesilla fuscipalpis Badonnel. Mexico (IV): Garcia Aldrete, 2011c, 2011d; Casasola-Gonzalez *et al.*, 2013 (ecology).
Lachesilla gamma Garcia Aldrete. Mexico (IV): Garcia Aldrete, 2011d.
Lachesilla gracilis Garcia Aldrete. Mexico (IV): Garcia Aldrete, 2011c.
Lachesilla graminicola Badonnel. Colombia (V): Gonzalez Obando *et al.*, 2013.
Lachesilla guentheri Garcia Aldrete. Mexico (IV): Garcia Aldrete, 2011c.
Lachesilla hermosa Garcia Aldrete. Mexico (IV): Garcia Aldrete, 2011d.
Lachesilla huasteca Mockford, 2002a. Mexico (IV): Garcia Aldrete, 2011d.
*Lachesilla ilama** Garcia Aldrete, Gonzalez Obando & Saldaña, 2013: 57. Colombia (V).
*Lachesilla ixtlanensis** Garcia Aldrete & Casasola Gonzalez, 2012: 137. Mexico (IV).
Lachesilla juniperana Garcia Aldrete. Mexico (IV): Garcia Aldrete, 2011d.
Lachesilla kathrynae Mockford & Gurney. Mexico (IV): Garcia Aldrete, 2011d.
*Lachesilla lachataoensis** Garcia Aldrete & Casasola Gonzalez, 2012: 137. Mexico (IV).
Lachesilla lacinosiforceps Garcia Aldrete. Mexico (IV): Garcia Aldrete, 2011c, 2011d.
*Lachesilla lapadoce** Garcia Aldrete & Silva Neto, 2013: 394 (assigned to *andra* group). Brazil, Paraguay (V).
Lachesilla leonilae Garcia Aldrete. Mexico (IV): Garcia Aldrete, 2011c, 2011d. Colombia (V): Gonzalez Obando *et al.*, 2013.
Lachesilla macropudenda Garcia Aldrete, 2008b. Male terminalia figured: Garcia Aldrete *et al.*, 2013c.
Lachesilla maculata Garcia Aldrete. Mexico (IV): Garcia Aldrete, 2011c, 2011d.
Lachesilla monticola Garcia Aldrete. Mexico (IV): Garcia Aldrete, 2011c.
Lachesilla nita Sommerman. Mexico (IV): Garcia Aldrete, 2011c.
Lachesilla nuptialis Badonnel & Garcia Aldrete. Mexico (IV): Garcia Aldrete, 2011c, 2011d. Colombia (V): Gonzalez Obando *et al.*, 2013.
Lachesilla otomi Mockford, 2002a. Mexico (IV): Garcia Aldrete, 2011c.
Lachesilla palmicola Garcia Aldrete. Mexico (IV): Casasola-Gonzalez *et al.*, 2013 (ecology).
Lachesilla pedicularia (Linnaeus). Czech Republic, Slovakia (I): Holusa, 2011, 2012a, 2012b, 2013 (ecol.). Mexico (IV): Garcia Aldrete, 2011c.
Lachesilla penta Sommerman. Mexico (IV): Garcia Aldrete, 2011c, 2011d.
Lachesilla perezi Garcia Aldrete. Mexico (IV): Garcia Aldrete, 2011d.
Lachesilla picticeps Mockford. Mexico (IV): Garcia Aldrete, 2011c.
Lachesilla pigmentithorax Garcia Aldrete. Colombia (V): Gonzalez Obando *et al.*, 2013.
Lachesilla punctata (Banks). Mexico (IV): Garcia Aldrete, 2011d.
Lachesilla quercus (Kolbe). Czech Republic, Slovakia (I): Holusa, 2010, 2011, 2012a, 2012b, 2013 (ecol.).
Lachesilla rectiforceps Garcia Aldrete. Mexico (IV): Garcia Aldrete, 2011c, 2011d.
Lachesilla rugosa Garcia Aldrete. Colombia (V): Gonzalez Obando *et al.*, 2013.
Lachesilla sandersoni Mockford. Mexico (IV): Garcia Aldrete, 2011d.
Lachesilla silvatica Garcia Aldrete. Mexico (IV): Garcia Aldrete, 2011c, 2011d.

Lachesilla sommermanae Garcia Aldrete. Mexico (IV): Garcia Aldrete, 2011c.
Lachesilla sulcata Garcia Aldrete. Mexico (IV): Garcia Aldrete, 2011c, 2011d.
Lachesilla taxodicola Garcia Aldrete. Mexico (IV): Garcia Aldrete, 2011c.
Lachesilla tectorum Badonnel. Mexico (IV): Garcia Aldrete, 2011c, 2011d; Casasola-Gonzalez *et al.*, 2013 (ecology).
Lachesilla tehuautlensis Garcia Aldrete. Mexico (IV): Casasola-Gonzalez *et al.*, 2013 (ecology).
Lachesilla texcocana Garcia Aldrete. Mexico (IV): Garcia Aldrete, 2011c.
Lachesilla tropica Garcia Aldrete. Mexico (IV): Garcia Aldrete, 2011c, 2011d.
Lachesilla turneri Garcia Aldrete. Mexico (IV): Garcia Aldrete, 2011c.
*Lachesilla unsijensis** Garcia Aldrete & Casasola Gonzalez, 2012: 136. Mexico (IV).
Lachesilla williamsi Garcia Aldrete, 2010a. Male terminalia figured: Garcia Aldrete *et al.*, 2013c.
Lachesilla wongae Garcia Aldrete. Mexico (IV): Garcia Aldrete, 2011d.
Lachesilla xalapensis Garcia Aldrete, 2001e. Mexico (IV): Garcia Aldrete, 2011d.
Lachesilla yanomamioides Garcia Aldrete. Mexico (IV): Garcia Aldrete, 2011c, 2011d.
Mesolachesilla spec. Colombia (V): Gonzalez Obando *et al.*, 2013.
Nadleria spec. Colombia (V): Gonzalez Obando *et al.*, 2013 (ca. *mockfordi* Badonnel & Garcia Aldrete, erroneously mentioned as *Lachesilla* ca. *mockfordi*).
Nadleria mariateresae Garcia Aldrete. Mexico (IV): Garcia Aldrete, 2011c.
Nanolachesilla hirundoides Mockford & Sullivan. Mexico (IV): Garcia Aldrete, 2011d.
Nanolachesilla nanciae (Turner). Mexico (IV): Garcia Aldrete, 2011d.
Notolachesilla spec. Colombia (V): Gonzalez Obando *et al.*, 2013.
Prolachesilla spec. Colombia (V): Gonzalez Obando *et al.*, 2013.
Prolachesilla mexicana Mockford & Sullivan. Mexico (IV): Garcia Aldrete, 2011c, 2011d.
Prolachesilla pallida Mockford & Sullivan. Mexico (IV): Garcia Aldrete, 2011c, 2011d.
Prolachesilla poblana Mockford & Sullivan. Mexico (IV): Garcia Aldrete, 2011c.
Tricholachesilla alata Mockford & Sullivan. Colombia (V): Gonzalez Obando *et al.*, 2013.

Ectopsocidae

Ectopsocus spec. Mexico (IV): Garcia Aldrete, 2011c. New Zealand (IX): Smithers, 2010. Parasit.: Toledo *et al.*, 2013 (fungus).
Ectopsocus axillaris (Smithers). New Zealand (IX): Smithers, 2010.
Ectopsocus briggsi McLachlan. Mexico (IV): Garcia Aldrete, 2011c, 2011d. New Zealand (IX): Smithers, 2010.
Ectopsocus californicus (Banks). New Zealand (IX): Smithers, 2010.
Ectopsocus chiapensis Garcia Aldrete. Mexico (IV): Garcia Aldrete, 2011c.
Ectopsocus chiapensoides Garcia Aldrete. Mexico (IV): Garcia Aldrete, 2011d.
Ectopsocus coronatus Smithers. New Zealand (IX): Smithers, 2010.
Ectopsocus dialeptus Thornton & Wong. New Zealand (IX): Smithers, 2010.
Ectopsocus eertmoedi Garcia Aldrete. Mexico (IV): Garcia Aldrete, 2011d.
Ectopsocus formosus Garcia Aldrete. Mexico (IV): Garcia Aldrete, 2011d.
Ectopsocus gracilis Thornton & Wong. New Zealand (IX): Smithers, 2010.
Ectopsocus maindroni Badonnel. Bahamas (III): Mockford, 2012b. Mexico (IV): Garcia Aldrete, 2011c, 2011d.
Ectopsocus meridionalis Ribaga. Czech Republic, Slovakia (I): Holusa, 2010, 2011, 2012a, 2012b, 2013 (ecol.). Luxembourg (I): Schneider & Weber, 2013. Mexico (IV): Garcia Aldrete, 2011c, 2011d.
Ectopsocus mexicanus Garcia Aldrete. Mexico (IV): Garcia Aldrete, 2011c.
Ectopsocus obscurus Garcia Aldrete. Mexico (IV): Garcia Aldrete, 2011d.
Ectopsocus petersi Smithers. New Zealand (IX): Smithers, 2010.
Ectopsocus richardsi (Pearman). Mexico (IV): Cordova Ballona *et al.*, 2011 (pest).
Ectopsocus thibaudi Badonnel. Bahamas (III): Mockford, 2012b. Mexico (IV): Garcia Aldrete, 2011d.
Ectopsocus thorntoni Garcia Aldrete. Mexico (IV): Garcia Aldrete, 2011d.
Ectopsocus titschacki Jentsch. Mexico (IV): Garcia Aldrete, 2011c, 2011d. Brazil (V): Silva-Neto *et al.*, 2013 (with remarks on knowledge of Brazilian psocids).
Ectopsocus tuxtlarum Garcia Aldrete. Mexico (IV): Garcia Aldrete, 2011d.
Ectopsocus vachoni Badonnel. Mexico (IV): Garcia Aldrete, 2011c, 2011d.
Ectopsocus veracruzensis Garcia Aldrete. Mexico (IV): Garcia Aldrete, 2011d.
Ectopsocus vilhenai Badonnel. Mexico (IV): Garcia Aldrete, 2011c, 2011d.

Peripsocidae

Kaestneriella minor Mockford & Wong. Mexico (IV): Garcia Aldrete, 2011c.

Kaestneriella obscura Mockford & Wong. Mexico (IV): Garcia Aldrete, 2011d.

Kaestneriella setosa Mockford & Wong. Mexico (IV): Garcia Aldrete, 2011c, 2011d.

Peripsocus spec. Mexico (IV): Garcia Aldrete, 2011c, 2011d; Casasola-Gonzalez *et al.*, 2013 (ecology).
New Zealand (IX): Smithers, 2010.

Peripsocus alboguttatus (Dalman). Czech Republic, Slovakia (I): Holusa, 2010, 2011, 2012a, 2012b, 2013 (ecol.).

Peripsocus didymus Roesler. Czech Republic, Slovakia (I): Holusa, 2010, 2011, 2012a, 2012b, 2013 (ecol.).

Peripsocus longivalvus Badonnel. Mexico (IV): Garcia Aldrete, 2011c.

Peripsocus madescens (Walsh). Mexico (IV): Garcia Aldrete, 2011d.

Peripsocus maoricus (Tillyard). New Zealand (IX): Smithers, 2010.

Peripsocus milleri (Tillyard). New Zealand (IX): Smithers, 2010.

Peripsocus morulops (Tillyard). New Zealand (IX): Smithers, 2010.

Peripsocus parvulus Kolbe. Czech Republic, Slovakia (I): Holusa, 2011, 2012a, 2012b, 2013 (ecol.).

Peripsocus pauliani Badonnel. Bahamas (III): Mockford, 2012b. Mexico (IV): Garcia Aldrete, 2011d.

Peripsocus phaeopterus (Stephens). Czech Republic, Slovakia (I): Holusa, 2011, 2012a, 2012b, 2013 (ecol.).
Russia (I): Kanervo & Kozlov, 2014 (ecol.).

Peripsocus potosi Mockford. Mexico (IV): Garcia Aldrete, 2011d.

Peripsocus subfasciatus (Rambur). Czech Republic, Slovakia (I): Holusa, 2010, 2011, 2012a, 2012b, 2013 (ecol.).
Russia (I): Kanervo & Kozlov, 2014 (ecol.).

Trichopsocidae

Trichopsocus clarus (Banks). New Zealand (IX): Smithers, 2010.

Trichopsocus maculosus Mockford. Mexico (IV) in amber (A): Garcia Aldrete, 2011c.

Archipsocidae

Archipsocopsis antigua (Mockford). Mexico (IV): Garcia Aldrete, 2011c (as *A. antiquus*).

Archipsocopsis frater (Mockford). Mexico (IV): Garcia Aldrete, 2011d.

Archipsocus spec. Bahamas (III): Mockford, 2012b. Mexico (IV): Garcia Aldrete, 2011c, 2011d.

Pararchipsocus poblanus Badonnel, Mockford & Garcia Aldrete. Mexico (IV): Garcia Aldrete, 2011c, 2011d.

Pararchipsocus radulosus Badonnel, Mockford & Garcia Aldrete. Mexico (IV): Garcia Aldrete, 2011c.

Pseudarchipsocus veracruzanus Badonnel, Mockford & Garcia Aldrete. Mexico (IV): Garcia Aldrete, 2011d.

Pseudocaeciliidae

Austropsocus spec. New Zealand (IX): Smithers, 2010.

Austropsocus apicipunctatus (Tillyard). New Zealand (IX): Smithers, 2010.

Austropsocus australis Thornton Wong & Smithers. New Zealand (IX): Smithers, 2010.

Austropsocus chathamensis Thornton, Wong & Smithers. New Zealand (IX): Smithers, 2010.

Austropsocus delli Smithers. New Zealand (IX): Smithers, 2010.

Austropsocus fasciatus Thornton, Wong & Smithers. New Zealand (IX): Smithers, 2010.

Austropsocus hyalinus Thornton, Wong & Smithers. New Zealand (IX): Smithers, 2010.

Austropsocus insularis Smithers. New Zealand (IX): Smithers, 2010.

Austropsocus nimbosus Thornton, Wong & Smithers. New Zealand (IX): Smithers, 2010.

Austropsocus ramsayi Thornton, Wong & Smithers. New Zealand (IX): Smithers, 2010.

Austropsocus salmoni Smithers. New Zealand (IX): Smithers, 2010.

Chorocaecilius brunellus (Tillyard). New Zealand (IX): Smithers, 2010.

Heterocaecilius spec. Parasit.: Toledo *et al.*, 2013 (fungus).

Heterocaecilius badonneli Garcia Aldrete. Mexico (IV): Garcia Aldrete, 2011d.

Mepleres watti (Smithers). New Zealand (IX): Smithers, 2010.

Pseudocaecilius citricola (Ashmead). Mexico (IV): Garcia Aldrete, 2011c, 2011d.

Pseudocaecilius tahitiensis (Karny). Bahamas (III): Mockford, 2012b. Mexico (IV): Garcia Aldrete, 2011c, 2011d.

Pseudocaecilius similis Turner. **Synonymy:** Mockford, 2012b: 5.

Scytopsocus coriaceus Roesler. Mexico (IV): Garcia Aldrete, 2011c, 2011d.

Zelandopsocus formosellus Tillyard. New Zealand (IX): Smithers, 2010.

Zelandopsocus kuscheli Thornton, Wong & Smithers. New Zealand (IX): Smithers, 2010.

Zelandopsocus tectus Thornton, Wong & Smithers. New Zealand (IX): Smithers, 2010.

Bryopsocidae

Bryopsocus angulatus (Smithers). New Zealand (IX): Smithers, 2010.

Bryopsocus townsendi (Smithers). New Zealand (IX): Smithers, 2010.

Philotarsidae

Aaroniella spec. Mexico (IV): Garcia Aldrete, 2011c, 2011d.

Aaroniella rawlingsi Smithers. New Zealand (IX): Smithers, 2010.

Garcialdretia chiapensis Mockford, 2007. Mexico (IV): Garcia Aldrete, 2011c.

Garcialdretia veracruzensis Mockford, 2007. Mexico (IV): Garcia Aldrete, 2011d.

Haplophallus spec. Mexico (IV): Garcia Aldrete, 2011d.

Haplophallus maculatus (Tillyard). New Zealand (IX): Smithers, 2010.

Philotarsopsis basipunctata (Thornton, Wong & Smithers). New Zealand (IX): Smithers, 2010.

Philotarsopsis guttata (Tillyard). New Zealand (IX): Smithers, 2010 (as *P. guttatus*).

Philotarsopsis parda (Thornton, Wong & Smithers). New Zealand (IX): Smithers, 2010.

Philotarsus spec. Russia (I): Kanervo & Kozlov, 2014 (ecol.). Mexico (IV): Garcia Aldrete, 2011c, 2011d

Philotarsus incurvatus Mockford, 2007. Mexico (IV): Garcia Aldrete, 2011d.

Philotarsus parviceps Roesler. Czech Republic, Slovakia (I): Holusa, 2010, 2011, 2012a, 2012b, 2013 (ecol.).

Philotarsus picicornis (Fabricius). Czech Republic, Slovakia (I): Holusa, 2011, 2012a, 2012b, 2013 (ecol.).

Elipsocidae

Cuneopalpus cyanops (Rostock). Czech Republic, Slovakia (I): Holusa, 2011, 2012a, 2012b, 2013 (ecol.).

Elipsocus spec. Mexico (IV): Garcia Aldrete, 2011c.

Elipsocus abdominalis Reuter. Czech Republic, Slovakia (I): Holusa, 2011, 2012a, 2012b, 2013 (ecol.). Finland, Russia (I): Kanervo & Kozlov, 2014 (ecol.).

Elipsocus hyalinus (Stephens). Czech Republic, Slovakia (I): Holusa, 2011, 2012a, 2012b, 2013 (ecol.).

Elipsocus moebiusi Tetens. Czech Republic, Slovakia (I): Holusa, 2011, 2012a, 2012b, 2013 (ecol.).

Elipsocus pumilis (Hagen). Czech Republic, Slovakia (I): Holusa, 2011, 2012a, 2012b, 2013 (ecol.).

Hemineura dispar Tetens. Czech Republic, Slovakia (I): Holusa, 2011, 2012a, 2012b, 2013 (ecol.). Russia (I): Kanervo & Kozlov, 2014 (ecol.).

Nepiomorpha brasiliiana Badonnel. Mexico (IV): Garcia Aldrete, 2011c, 2011d.

Paedomorpha gayi Smithers. New Zealand (IX): Smithers, 2010.

Pentacladus eucalypti Enderlein. New Zealand (IX): Smithers, 2010.

Propsocus pulchripennis (Perkins). New Zealand (IX): Smithers, 2010.

Reuterella helvimacula (Enderlein). Czech Republic, Slovakia (I): Holusa, 2011, 2012a, 2012b, 2013 (ecol.).

Sandropsocus clarki Smithers. New Zealand (IX): Smithers, 2010.

Spilopsocus annulatus Smithers. New Zealand (IX): Smithers, 2010.

Spilopsocus avius Smithers. New Zealand (IX): Smithers, 2010.

Spilopsocus stigmaticus (Tillyard). New Zealand (IX): Smithers, 2010.

Sabulopsocidae

Sabulopsocus tractuosus Smithers. New Zealand (IX): Smithers, 2010.

Mesopsocidae

Mesopsocus immunis (Stephens). Norway (I): Kanervo & Kozlov, 2014 (ecol.).

Mesopsocus laticeps (Kolbe). Czech Republic, Slovakia (I): Holusa, 2010, 2011, 2012a, 2012b, 2013 (ecol.).

Mesopsocus unipunctatus (Müller). Czech Republic, Slovakia (I): Holusa, 2011, 2012a, 2012b, 2013 (ecol.). Russia (I): Kanervo & Kozlov, 2014 (ecol.).

Hemipsocidae

Hemipsocus africanus Enderlein. Mexico (IV): Garcia Aldrete, 2011c, 2011d.

Hemipsocus chloroticus (Hagen). Mexico (IV): Garcia Aldrete, 2011d.

Psocidae

- Amphigerontia* spec. Mexico (IV): Garcia Aldrete, 2011c, 2011d.
Amphigerontia bifasciata (Latreille). Czech Republic, Slovakia (I): Holusa, 2011, 2012a, 2012b, 2013 (ecol.).
Amphigerontia contaminata (Stephens). Czech Republic, Slovakia (I): Holusa, 2011, 2012a, 2012b, 2013 (ecol.).
Amphigerontia montivaga (Chapman). Mexico (IV): Garcia Aldrete, 2011d.
Amphigerontia petiolata (Banks). Mexico (IV): Garcia Aldrete, 2011d.
Atlantopsocus personatus (Hagen). Ireland (I): Alexander, 2013.
Atrichadenotecnum Yoshizawa. Liu Luxi *et al.*, 2013b: checklist of species and identification key to species.
Atrichadenotecnum forcipatum (Li Fasheng, 2002a). Liu Luxi *et al.*, 2013b: 461 (**from** *Clematostigma*).
Atrichadenotecnum guangzhouense (Li Fasheng, 2002a). Liu Luxi *et al.*, 2013b: 461 (**from** *Psocomesites*).
Atrichadenotecnum laricolum (Li Fasheng, 2002a). Liu Luxi *et al.*, 2013b: 461 (**from** *Psocomesites*).
Atrichadenotecnum multidontatum (Li Fasheng). Liu Luxi *et al.*, 2013b: 461 (**from** *Psocomesites*).
*Atrichadenotecnum multispinosum** Liu Luxi, Yoshizawa, Li Fasheng & Liu Zhiqi, 2013: 462 (as *A. multispinosus*). China (VIII).
Atrichadenotecnum trifurcatum (Li Fasheng). Liu Luxi *et al.*, 2013b: 461 (**from** *Psocomesites*).
Psocomesites bimaculatus Li Fasheng. **Synonymy:** Liu Luxi *et al.*, 2013b: 461.
Atrichadenotecnum tayal Yoshizawa. **Synonymy:** Liu Luxi *et al.*, 2013b: 461.
Clematostigma excavatum Li Fasheng, 2002a. **Synonymy:** Liu Luxi *et al.*, 2013b: 461.
Psocomesites edentalum Li Fasheng, 2005b. **Synonymy:** Liu Luxi *et al.*, 2013b: 461.
Blaste spec. Mexico (IV): Garcia Aldrete, 2011c, 2011d; Casasola-Gonzalez *et al.*, 2013 (ecology).
*Blaste bahamensis** Mockford, 2012b: 5. Bahamas (III).
Blaste garciorum Mockford. Mexico (IV): Garcia Aldrete, 2011c, 2011d.
Blaste posticata (Banks). Mexico (IV): Garcia Aldrete, 2011c, 2011d; Casasola-Gonzalez *et al.*, 2013 (ecology).
Blaste quadrimaculata (Latreille). Czech Republic, Slovakia (I): Holusa, 2011, 2012a, 2012b, 2013 (ecol.).
Blaste tillyardi Smithers. New Zealand (IX): Smithers, 2010.
Blastopsocus spec. Mexico (IV): Garcia Aldrete, 2011c, 2011d; Casasola-Gonzalez *et al.*, 2013 (ecology).
Cerastipsocus spec. Mexico (IV): Garcia Aldrete, 2011c.
Cerastipsocus reductus (Banks). Mexico (IV): Garcia Aldrete, 2011d.
Cerastipsocus trifasciatus (Provancher). Mexico (IV): Garcia Aldrete, 2011c, 2011d.
Cerastipsocus venosus (Burmeister). Mexico (IV): Garcia Aldrete, 2011c, 2011d.
Clematoscenea Enderlein. Liu Luxi *et al.*, 2013a: checklist of species and identification key to species.
*Clematoscenea spinosa** Liu Luxi, Li Fasheng & Liu Zhiqi, 2013: 384 (as *C. spinosus*). China (VIII).
Clematoscenea yunnanica Li Fasheng, 2002a. Redescription: Liu Luxi *et al.*, 2013a: 386; China (VIII).
Ghesquierella cantralli Mockford. Mexico (IV): Garcia Aldrete, 2011c.
Hyalopsocus spec. Mexico (IV): Garcia Aldrete, 2011d; Casasola-Gonzalez *et al.*, 2013 (ecology).
Indiopsocus Mockford. Augmentations to generic description, definition of *affinis* species complex: Mockford, 2012b: 6.
Indiopsocus spec. Mexico (IV): Garcia Aldrete, 2011c, 2011d.
Indiopsocus bisignatus (Banks). Mexico (IV): Garcia Aldrete, 2011d; Casasola-Gonzalez *et al.*, 2013 (ecology).
*Indiopsocus campestroides** Mockford, 2012b: 7. Bahamas (III).
*Indiopsocus caribe** Mockford, 2012b: 8. Bahamas (III).
*Indiopsocus fallax** Mockford, 2012b: 9. Bahamas (III).
Indiopsocus texanus (Aaron). Bahamas (III): Mockford, 2012b.
Loensia fasciata (Fabricius). Czech Republic, Slovakia (I): Holusa, 2011, 2012a, 2012b, 2013 (ecol.).
Loensia pearmani Kimmins. Czech Republic, Slovakia (I): Holusa, 2011, 2012a, 2012b, 2013 (ecol.).
Loensia variegata (Latreille). Czech Republic, Slovakia (I): Holusa, 2011, 2012a, 2012b, 2013 (ecol.).
Longivalvus hyalospilus Li Fasheng, 2002a. Genet.: Li Hu *et al.*, 2013 (mitochondrial genome).
Metylophorus spec. Mexico (IV): Garcia Aldrete, 2011c, 2011d; Casasola-Gonzalez *et al.*, 2013 (ecology).
Metylophorus barretti (Banks). Mexico (IV): Garcia Aldrete, 2011c, 2011d.
Metylophorus nebulosus (Stephens). Czech Republic, Slovakia (I): Holusa, 2010, 2011, 2012a, 2012b, 2013 (ecol.). Finland, Russia (I): Kanervo & Kozlov, 2014 (ecol.).
Metylophorus novaescotiae (Walker). Mexico (IV): Garcia Aldrete, 2011d.
Psocidus spec. Mexico (IV): Garcia Aldrete, 2011c, 2011d.
Psococerastis albimaculata Li Fasheng & Yang Chikun. Genet.: Li Hu *et al.*, 2013 (mitochondrial genome).

Psococerastis fasciata Mockford. Mexico (IV): Garcia Aldrete, 2011c, 2011d.
Psococerastis gibbosa (Sulzer). Czech Republic, Slovakia (I): Holusa, 2010, 2011, 2012a, 2012b, 2013 (ecol.). Russia (I): Kanervo & Kozlov, 2014 (ecol.).
Psococerastis opulenta (Navas). Mexico (IV): Garcia Aldrete, 2011c.
Ptycta Enderlein. Bess, 2011: review of the species from Hawaii (X), definition of species groups, biogeography, proposition of synonymies (not validly published under article 8 of ICZN).
Ptycta spec. Mexico (IV): Garcia Aldrete, 2011c, 2011d; Casasola-Gonzalez *et al.*, 2013 (ecology).
Ptycta tikala (Mockford). Mexico (IV): Garcia Aldrete, 2011d.
Steleops spec. Mexico (IV): Garcia Aldrete, 2011d.
Steleops monticola Garcia Aldrete. Mexico (IV): Casasola-Gonzalez *et al.*, 2013 (ecology).
Thyrsopsocus psocoides Enderlein. Mexico (IV): Garcia Aldrete, 2011c, 2011d.
Trichadenotecnum spec. Mexico (IV): Garcia Aldrete, 2011d.
Trichadenotecnum aconcinnum Yoshizawa, Garcia Aldrete & Mockford, 2008. Mexico (IV): Garcia Aldrete, 2011c.
Trichadenotecnum barrerai Yoshizawa, Garcia Aldrete & Mockford, 2008. Mexico (IV): Garcia Aldrete, 2011c.
Trichadenotecnum brevicornum Yoshizawa, Garcia Aldrete & Mockford, 2008. Mexico (IV): Garcia Aldrete, 2011c (as *T. brevicornis*).
Trichadenotecnum chiapense Yoshizawa, Garcia Aldrete & Mockford, 2008. Mexico (IV): Garcia Aldrete, 2011c (as *T. chiapensis*), 2011d.
Trichadenotecnum cintalapense Yoshizawa, Garcia Aldrete & Mockford, 2008. Mexico (IV): Garcia Aldrete, 2011c (as *T. cintalapensis*).
Trichadenotecnum concinnum Yoshizawa, Garcia Aldrete & Mockford, 2008. Mexico (IV): Garcia Aldrete, 2011d.
Trichadenotecnum desolatum (Chapman). Mexico (IV): Casasola-Gonzalez *et al.*, 2013 (ecology).
Trichadenotecnum ericium Yoshizawa, Garcia Aldrete & Mockford, 2008. Mexico (IV): Garcia Aldrete, 2011d.
Trichadenotecnum guttatum Yoshizawa, Garcia Aldrete & Mockford, 2008. Mexico (IV): Garcia Aldrete, 2011c, 2011d.
Trichadenotecnum incognitum Roesler. Russia (I): Kanervo & Kozlov, 2014 (ecol.).
Trichadenotecnum magnolingum Yoshizawa, Garcia Aldrete & Mockford, 2008. Mexico (IV): Garcia Aldrete, 2011d.
Trichadenotecnum majus (Kolbe). Czech Republic, Slovakia (I): Holusa, 2010, 2011, 2012a, 2012b, 2013 (ecol.). Russia (I): Kanervo & Kozlov, 2014 (ecol.).
Trichadenotecnum pardus Badonnel. Mexico (IV): Garcia Aldrete, 2011d.
Trichadenotecnum sexpunctatum (Linnaeus). Czech Republic, Slovakia (I): Holusa, 2011, 2012a, 2012b, 2013 (ecol.).
Trichadenotecnum slossonae (Banks). Mexico (IV): Garcia Aldrete, 2011c.

Myopsocidae

Lichenomima spec. Mexico (IV): Garcia Aldrete, 2011c, 2011d.
Lichenomima sparsa (Hagen). Mexico (IV): Garcia Aldrete, 2011d.
Lichenomima varia (Navas). Mexico (IV): Garcia Aldrete, 2011d.
Myopsocus spec. Mexico (IV): Garcia Aldrete, 2011c.
Myopsocus australis (Brauer). New Zealand (IX): Smithers, 2010.
Myopsocus minutus (Mockford). Mexico (IV): Garcia Aldrete, 2011c, 2011d.

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 12 of the "Additions"; see also **Synthesis of Parts 1-10**: http://www.ville-ge.ch/mhng/psocoptera/divers/synthesis_add_1_10.pdf

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-authors"-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: <http://www.ville-ge.ch/mhng/psocoptera/page/ps-bibli.htm>

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- Athanassiou, C. G., Kavallieratos, N. G., Arthur, F. H. & Throne, J. E. 2013. Efficacy of a combination of Beta-Cyfluthrin and Imidacloprid and Beta-Cyfluthrin alone for control of stored-product insects on concrete. *Journal of Economic Entomology* 106(2): 1064-1070. **(Only abstract seen)**.
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5. Corrections to Lienhard & Smithers, 2002

Remark: The "Correction" refers to the page of Lienhard & Smithers (2002).

010: *Ptenocorium* already considered as a synonym of *Cyrtophania* by Thornton *et al.*, 1972: 62. Synonymy considered as somewhat doubtful by Thornton, 1981f: 19.

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).

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