

**Psocid News**  
The Psocidologists' Newsletter

Special Issue IV (May 27, 2021)

**SYNTHESIS OF PARTS 11-20 OF THE ADDITIONS AND CORRECTIONS TO  
LIENHARD & SMITHERS, 2002: "PSOCOPTERA (INSECTA) – WORLD  
CATALOGUE AND BIBLIOGRAPHY"**

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**Abstract:** Since the volume Psocoptera (Insecta) – World Catalogue and Bibliography was published by the Geneva Natural History Museum in 2002, twenty supplementary papers of additions and corrections have appeared in Psocid News. All available literature on Psocoptera was treated in the same style as the Catalogue (listed taxonomically, faunistically and thematically). For ease of use a synthesis of the first ten supplements was published as Special Issue 3 of Psocid News (Lienhard, 2016d). The present compilation offers a synthesis of the supplements 11 to 20 (published annually between 2012 and 2021 in Psocid News No. 14-23) and it contains a complement to the Subject Bibliography published in Psocid News Special Issue 2 (Lienhard, 2016c), i. e. a synthesis of the annual subject bibliographies published in Psocid News No. 19-23. See: <http://hdl.handle.net/2115/35519>

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- Corrections to Lienhard & Smithers, 2002 (Synthesis of Parts 11-20)
- Subject Bibliography (Synthesis of Additions 16-20) = Complement to Lienhard (2016c).

## Introduction

The present paper is a synthesis of Parts 11 to 20 of the "Additions and Corrections" to Lienhard & Smithers (2002), which were published in the following issues of Psocid News:

- 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): 10-34 (= Lienhard, 2019)

Part 19 – Psocid News, no. 22 (2020): 16-29 (= Lienhard, 2020b)

Part 20 – Psocid News, no. 23 (2021): 1-20 (= Lienhard, 2021)

PDF-versions of all issues of Psocid News (including special issues) are available on the following URL: <http://hdl.handle.net/2115/35519>

In general, each part of the "Additions to the Catalogue" presents the information in the style of Lienhard & Smithers (2002), according to the criteria mentioned there (pp. ix-xli) and using the same abbreviations (pp. xl-xli). For each family, newly published changes (i.e. published after the synthesis presented by Lienhard, 2016d) concerning supra-generic taxa are mentioned at the beginning of the family treatment. For genus-group names and species-group names already mentioned by Lienhard & Smithers (2002) and Lienhard (2016d) only the authors are cited. For each new name the complete reference (author, year, page) is given in its **first entry**, where a new genus-group name is marked with two asterisks (\*\*) and a new species-group name with one asterisk (\*). In **further entries** these names lack asterisks but authors and years are 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) was published since.

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 of Psocid News: Disclaimer); only some mandatory changes are made (e. g. adaptation of species name endings to the grammatical gender of the genus name). However, occasionally recommendations to future revisers are given concerning nomenclatural acts which eventually should be published.

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. References to the papers which I have not seen are marked with "(Not seen)" or "(Only abstract seen)" in the synthesis of the "Additions to the Bibliography". Complete bibliographical references to publications cited in the present paper, which are not listed in this synthesis, can be found in the World Bibliography (Lienhard & Smithers, 2002: 493-664) or in the synthesis of Additions 1-10 (Lienhard, 2016d).

### List of countries mentioned in Parts 11-20 of the "Additions and Corrections to the World Catalogue"

**Remarks:** Country checklists of Psocoptera species extracted from Lienhard & Smithers (2002) are available in Psocid News Special Issue 1 (Lienhard, 2016b): <http://hdl.handle.net/2115/35519>

All additional species records mentioned in Parts 1 to 10 of the "Additions and Corrections to the World Catalogue" are published in Psocid News Special Issue 3 (Lienhard, 2016d): <http://hdl.handle.net/2115/35519>

All additional species records mentioned in Parts 11 to 20 of the "Additions and Corrections to the World Catalogue" are compiled in the present paper; the corresponding countries are listed below, arranged according to the main geographical regions defined for the World Catalogue (**I-X**), with a separate heading for fossils, mainly from amber (**A**).

**(I)** Albania (Parts 14, 16), Armenia (Part 19), Belarus (Part 20), Belgium (Parts 16, 17, 18, 19, 20), Bosnia-Herzegovina (Part 14), Bulgaria (Parts 14, 16, 17, 18, 19, 20), Croatia (Parts 11, 12), Cyprus (Part 11), Czech Republic (Parts 11, 13, 14, 16), Denmark (Parts 12), Egypt (Part 6), Europe (Parts 11, 12, 19), Finland (Parts 11, 12, 13, 15), France (Parts 11, 12, 13, 14, 18, 20), Germany (Parts 11, 12, 14, 16, 19, 20), Great Britain (Parts 11, 12, 13, 14, 15, 16, 17, 18, 19), Greece (Parts 11, 14, 17, 18, 19, 20), Greenland (Part 15), Iran (Parts 15, 16, 17, 18), Ireland (Parts 13, 17, 19), Israel (Parts 11, 15, 16), Italy (Parts 17, 18, 19), Kosovo (Part 14), Lebanon (Parts 11, 13, 14, 19), Luxembourg (Parts 13, 17, 18, 20), Macedonia (Part 14), Malta (Parts 15,

16), Montenegro (Part 14), Morocco (Part 15), Netherlands (Parts 11, 14, 16, 17, 19), Norway (Part 13), Poland (Part 13), Portugal (Parts 18, 19), Romania (Parts 14, 16, 17), Russia (Parts 12, 13, 14, 16, 20), Saudi Arabia (Part 15), Serbia (Part 14), Slovakia (Parts 11, 13), Spain (Parts 11, 12, 13, 17, 18, 20), Sweden (Part 17), Switzerland (Parts 11, 12), Turkey (Parts 15, 20), Yemen (Parts 18, 20)

(II) Ascension Island (Parts 11, 15), Azores (Part 11), Canary Islands (Part 11), Cape Verde Islands (Parts 11, 15), Madeira (Part 15), Saint Helena (Part 11)

(III) Bahamas (Part 13), Canada (Parts 13, 18, 19, 20), North America (Parts 11, 12), USA (Parts 11, 12, 13, 14, 15, 16, 18, 19, 20)

(IV) Antigua (Part 15), Aruba (Part 15), Belize (Part 15), Costa Rica (Parts 15, 17, 18, 20), Cuba (Part 11), Curaçao (Part 15), Dominica (Part 11), Dominican Republic (Parts 12, 13, 14, 18, 19, 20), Guadeloupe (Part 15), Guatemala (Parts 11, 15, 16, 17), Honduras (Part 15), Jamaica (Parts 15, 19), Mexico (Parts 11, 12, 13, 14, 15, 16, 17, 18, 19, 20), Middle America (Part 11), Nicaragua (Part 13), Panama (Parts 17, 20), Puerto Rico (Part 13), Trinidad (Part 16)

(V) Argentina (Parts 14, 19), Bolivia (Part 17), Brazil (Parts 11, 12, 13, 14, 15, 16, 17, 18, 19, 20), Colombia (Parts 11, 12, 13, 14, 15, 16, 17, 18, 20), Ecuador (Parts 13, 15, 16, 18, 20), French Guiana (Part 18), Paraguay (Parts 13, 14, 15), Peru (Parts 11, 12, 13, 14, 16, 17, 18, 20), Venezuela (Parts 15, 17, 18)

(VI) Ethiopia (Part 20), Ghana (Part 18), Guinea (Part 20), Kenya (Parts 15, 16, 18, 20), Liberia (Part 15), Mozambique (Parts 15, 20), Namibia (Part 19), Rwanda (Part 15), Senegal (Parts 15, 20), South Africa (Parts 11, 20), Togo (Part 15)

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(VIII) China (Parts 11, 12, 13, 14, 15, 16, 17, 18, 19, 20), India (Parts 11, 15, 20), Indonesia (Part 15), Japan (Parts 12, 16, 18, 19, 20), Kazakhstan (Part 13), Korea (Part 17), Laos (Part 17), Malaysia (Parts 14, 15, 18, 19), Myanmar (Parts 13, 14, 16, 17, 18, 19, 20), Nepal (Part 18), Pakistan (Part 14), Philippines (Parts 14, 18, 20), Russia (Parts 11, 20), Singapore (Parts 14, 15), Sri Lanka (Part 19), Taiwan (Parts 13, 15, 17, 18), Thailand (Parts 11, 15, 18, 20), Vietnam (Parts 13, 14, 15, 17, 20)

(IX) Australia (Parts 12, 13, 14, 20), New Zealand (Parts 13, 16, 18), Subantarctic islands (Part 13)

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

(A) Amber and Copal (or other fossils) (Parts 11, 12, 13, 14, 15, 16, 17, 18, 19, 20)

## **Additions to the Catalogue (Synthesis of Parts 11-20)**

**Remarks:** The chapter following each Add. 11-20 **SYNTHESIS-HEADING** (printed in bold capitals) contains separately the information of each part (i. e. Add. 11, 12, 13....20), as it was initially published in Psocid News (see **subheadings** corresponding to each part, printed in bold and underlined). **Therefore the same taxon may be treated several times under one SYNTHESIS-HEADING.**

### **PARANEOPTERA / ACERCARIA / PERMOPSOCIDA (Add. 11-20)** **(selected references)**

#### **Permopsocida (Add. 16)**

Huang Di-Ying *et al.*, 2016. Liang Feiyang *et al.*, 2016. Prokop *et al.*, 2016. Yoshizawa & Lienhard, 2016.

#### **Acercaria / Paraneoptera (Add. 17)**

Prokop *et al.*, 2017: Introduction of the new superorder **Clareocercaria** (= Acercaria s.l.) and phylogenetic analysis of this group which contains also the Psocodea.

### **Paraneoptera (Add. 18)**

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

### **Paraneoptera (Add. 20)**

Chesters, 2019: Paraneoptera (= Psocoptera, Phthiraptera, Thysanoptera and Hemiptera) recovered as monophyletic and sister to the Holometabola, although IC support not convincing (53) (see p. 8 and Supporting information: Fig. 6).

## **PSOCODEA (Add. 11-20) (selected references)**

### **Psocodea (Add. 12)**

Nel *et al.*, 2012 (wing venation pattern, phylogeny, Permian monotypic family **Zygopsocidae** (A) possibly oldest representative of the Psocodea). Wei *et al.*, 2012b (phylogeny). Yeates *et al.*, 2012 (phylogeny).

### **Psocodea (Add. 13)**

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.

### **Psocodea (Add. 14)**

Footitt & Adler, 2009 (p. 3): 10598 species of Psocodea known (5574 spp. of Psocoptera and 5024 spp. of Phthiraptera). Zhang Zhi-Qiang, 2013: 10868 species of Psocodea known (5732 spp. of Psocoptera and 5136 spp. of Phthiraptera). Misof *et al.*, 2014 (phylogenomics; Psocodea sister-group of Holometabola). Wei Dan-Dan *et al.*, 2014 (mitochondrial genome diversity and phylogeny of Psocodea).

### **Psocodea (Add. 15)**

Li Hu *et al.*, 2015 (phylogeny).

#### **Archipsyllidae**

**Cicadellium dipsas** Westwood, 1854. Species assigned to Psocoptera by Coram & Jepson, 2012: 41. Great Britain (I), impression fossil from Early Cretaceous (A).

### **Psocodea (Add. 16)**

Dallai *et al.*, 2016 (sperm). Gottardo *et al.*, 2016 (sperm). Shi Yan *et al.*, 2016 (sucking lice diversified in Late Cretaceous). Yoshizawa, 2016b (phylogeny and higher systematics). Yoshizawa & Lienhard, 2016 (phylogeny; Archipsyllidae not belonging to Psocodea but to Pancondylognatha, the latter group containing also Thysanoptera and Hemiptera).

### **Psocodea (Add. 17)**

Phylogeny, evolution: Beutel *et al.*, 2017.

### **Psocodea (Add. 18)**

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

### **Psocodea (Add. 19)**

Kjer *et al.*, 2016: history of insect phylogenetics. Kluge, 2019: Psocodea = Panpsocoptera; phylog. and classification. Song Fan *et al.*, 2019: Psocodea, mitochondrial genome.

**Westphalopsocidae** Azar, Nel, Engel & Bourgoïn, 2013; *in*: Nel *et al.*, 2013. Restored to Acercaria: Psocodea by Schubnel *et al.*, 2019: Abstract and p. 11.

**Westphalopsocus** Azar, Nel, Engel & Bourgoïn, 2013; *in*: Nel *et al.*, 2013. Restored to Acercaria: Psocodea by Schubnel *et al.*, 2019: Abstract and p. 11. Carboniferous fossil: Moscovian (A).

### **Psocodea (Add. 20)**

Huber, 2010: behaviour, copulation. Azar *et al.*, 2019: André Nel sixtieth anniversary Festschrift, with list of publications. Cockx *et al.*, 2019: Psocodea mentioned from Upper Cretaceous (A), Canada (III). Garrouste *et al.*, 2019: Psocodea mentioned from Upper Carboniferous (A), France (I). Montagna *et al.*, 2019: insect evolutionary timescale (Psocodea mentioned in Fig. 3) (A). De Moya *et al.*, 2020: Phylogeny, new classification proposed in Table 3 (Phthiraptera, considered as infraorder of Troctomorpha, contains 5 parvorders).

## **PSOCOPTERA (Add. 11-20)**

**Remarks:** This chapter contains mostly general references, not mentioned in detail for particular taxa of Psocoptera. They are arranged chronologically under each subheading.

### **Psocoptera (Add. 11)**

FaEu Bureau, 2004 (Fauna Europaea, distribution in European countries). Brasero *et al.*, 2009 (list of amber fossils according to Nel *et al.*, 2005). Perotti *et al.*, 2009 (endosymbionts of lice). Choufani, 2010 (Lower Cretaceous amber, Lebanon; see also published version: Choufani *et al.*, 2011). Ineichen & Ruckstuhl, 2010 (general remarks on some domestic psocids from Switzerland). Kanervo & Söderman, 2010 (Red List for Finland). Van Zuijlen, 2010 (general remarks on Psocoptera fauna of The Netherlands). Britton, 2011 (biography of C. N. Smithers). Di Iorio & Turienzo, 2011 (psocids in poultry houses, only identified to order). Ishiwata *et al.*, 2011 (Psocoptera mentioned in molecular phylogenetic analysis of insects). Lienhard, 2011a (additions to the World Catalogue and Bibliography, Part 10). Lienhard, 2011c (additions to the World Catalogue and Bibliography, Synthesis of Parts 1-10). Monroy *et al.*, 2011 (soil psocids negatively affected by the presence of earthworms). Sabu *et al.*, 2011 (Winkler extractor best quantitative method for sampling ground-dwelling psocids, India). Sarria, 2011 (71 morphospecies, analysis of psocid diversity in different biotopes, Colombia). Walker *et al.*, 2011 (psocids present in onion seed crop fields but they are not pollinators). Yoshizawa, 2011a (newsletter).

### **Psocoptera (Add. 12)**

Bacic *et al.*, 2010 (Slovenia (I): pests in herbarium). Britton, 2011b (biography of C. N. Smithers). Britton, 2011c (biography and bibliography of C. N. Smithers). Burns *et al.*, 2011 (Australia (IX), ecology). Li Yan-Hong *et al.*, 2011 (China (VIII), in soil litter). Basset *et al.*, 2012 (biodiversity in a tropical forest). Birkhofer & Wolters, 2012 (predation by spiders). Borkhataria *et al.*, 2012 (Puerto Rico (IV), ecology). Britton, 2012a (biography of C. N. Smithers), 2012b (list of patronymic taxa dedicated to C. N. Smithers). Caldart *et al.*, 2012 (frog as predator of psocids). Entomological Society of Queensland 2012 (photograph and biography of C. N. Smithers). Garcia Aldrete & Mockford, 2012 (Brazil (V): key to families, diagnoses of families, general remarks on morphology and biology). Gouveia *et al.*, 2012 (Brazil (V), in birds' nests). Lienhard, 2012a (additions to the World Catalogue and Bibliography, Part 11). New, 2012 (biography of C. N. Smithers). Olson & Beard, 2012 (Hawaii (X), predation by frog). Penney, 2012 (major world amber deposits (A), number of families mentioned). Smithers, A. S. 2012 (biography of C. N. Smithers). Wei *et al.*, 2012b (phylogeny: Psocoptera paraphyletic). Yoshizawa, 2012 (newsletter).

### **Psocoptera (Add. 13)**

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).

### **Psocoptera (Add. 14)**

Yoshizawa, 2003d (short outline on systematics and biology of Psocoptera). Turienzo & Di Iorio, 2007: some undetermined psocids mentioned in birds' nests from Argentina (V). Footitt & Adler, 2009 (p. 3): 5574 species of Psocoptera known world-wide. Olejarski & Rybacki, 2011 (pest in stored rapeseed). Devetak *et al.*, 2013 (gregarines as parasites). Jervis, 2013: facsimile of oldest known scientific illustration of a psocid (same figure as published by Neri, 2005; this figure shows probably a young nymph of Psocomorpha). Perez & Barrion-Dupo, 2013: leaf-litter, Philippines (VIII). Thapa *et al.*, 2013 (predation by pseudoscorpions). Whitfield & Purcell, 2013 (key to families). Zhang Zhi-Qiang, 2013: 5732 species of Psocoptera known world-wide. Cameron, 2014: mitochondrial genomics. Dennis, 2014 (predation by Asilidae). Lienhard, 2014 (additions to the World Catalogue and Bibliography, Part 13). Loomis & Cameron, 2014: ecology, deciduous forests, USA (III). Sarria *et al.*, 2014a, 2014b: diversity, ecology, Colombia (V). Wolf *et al.*, 2014 (Psocoptera in feedstuffs for small mammals). Yoshizawa, 2014 (Newsletter).

**Psocoptera** fam., gen. n., spec. Australia (Barrow Island) (IX): Gunawardene *et al.*, 2012: 256.

### **Psocoptera (Add. 15)**

Pictet, 1836 (classification). Balazuc, 1951 (teratology). Carmo, 2009: cave psocids, Brazil (V). Beutel *et al.*, 2014 (morphology and phylogeny). Araujo de & Peixoto, 2015: cave fauna, Brazil (V). Collins, 2015: predators, Venezuela (V). Dickey *et al.*, 2015 (mitochondrial genome). Gautam *et al.*, 2015 (egg morphology). He Run-Lian *et al.*, 2015: soil fauna, China (VIII). Lienhard, 2015 (Additions to the World Catalogue and Bibliography, Part 14). Liznarova & Pekar, 2015 (spider as predator). Matsumura *et al.*, 2015 (morphology, phylogenetics). Perlman *et al.*, 2015 (bacterial endosymbionts). Polilov, 2015 (egg parasitoid of psocid, *Dicopomorpha echmepterygis* Mockford, is the smallest insect). Querner, 2015 (pests in museums etc.). Stejskal *et al.*, 2015 (historical development of pest status). Stigenberg *et al.*, 2015 (Euphorinae as parasitoids). Studinski & Hartman, 2015 (psocids as food source of stream salmonids). Wang Xiaoyi *et al.*, 2015 (wing polymorphism). Yoshizawa, 2015a (Newsletter). Yoshizawa, 2015b (Psocoptera in the public).

### **Psocoptera (Add. 16)**

Castane & Riudavets, 2015 (sampling techniques of pest species). Hanna *et al.*, 2015: USA (III) (effects of ant invasion). Simões *et al.*, 2015: Brazil (V) (cave fauna). Souza Silva *et al.*, 2015: Brazil (V) (cave fauna). Bertone *et al.*, 2016: USA (III) (in houses). Chapman *et al.*, 2016: New Zealand (IX) (pests in stored grain). Dallai *et al.*, 2016 (sperm). Gottardo *et al.*, 2016 (sperm). Liebhold *et al.*, 2016 (invasion pathways). Lienhard 2016a (Additions to the World Catalogue

and Bibliography, Part 15). Lienhard, 2016b, 2016c, 2016d (complements to the World Catalogue and Bibliography). Wasserstrom *et al.*, 2016: Israel (I) (soil fauna). Yoshizawa, 2016a (Newsletter). Yoshizawa, 2016b (phylogeny and higher systematics).

#### **Psocoptera (Add. 17)**

Collins & Hespeneide, 2016: Venezuela (V) (bird as predator). Rasnitsyn *et al.*, 2016 (A) (several families in Cretaceous amber). Rydell *et al.*, 2016: Sweden (I) (bats as predators). Silva-Neto *et al.*, 2016e (method for storage of slides and capsule with thorax in alcohol). Erwin & Henry, 2017 (Carabid beetles under webbing of psocids). Lienhard, 2017 (Additions to the World Catalogue and Bibliography, Part 16). Maute *et al.*, 2017 (locust control, psocids as non-target insects). Ross, 2017a (A) (checklist of species from Burmese amber). Yoshizawa, 2017 (Newsletter). Xu Si-Yuan *et al.*, 2017: China (VIII) (larval Erythraeidae mite parasitic on psocid).

#### **Psocoptera (Add. 18)**

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.

#### **Psocoptera (Add. 19)**

Lienhard & Yoshizawa, 2019a: **authorities for names above the family-group.**

Lienhard & Yoshizawa, 2019b: **authorities for family-group names.**

Li Zhihong *et al.*, 2018: molecular identification of psocid pests. Alejo *et al.*, 2019: on flowers in greenhouses, Argentina (V). Angulo Ordoñez *et al.*, 2019: predation by spiders, Mexico (IV). Anonby, 2019: biodiversity assessment, 108 species of psocids known from Canada (III), not listed. Araujo *et al.*, 2019: commensals in ants' nests, Brazil (V). Bernardes Portela *et al.*, 2019: soil fauna, ecological corridors, Brazil (V). Bichuette *et al.*, 2019: four unidentified species recorded from caves, Brazil (V). Franks, 2019: Dr Edward Broadhead, obituary. Garcia-Rosales *et al.*, 2019: predation by lizard, Mexico (IV). Godeau *et al.*, 2019: predation by Coccinellidae, Europe (I). Kent *et al.*, 2019: methods for sampling forest arthropods, Jamaica (IV). Knuff *et al.*, 2019: sampling flying psocids by modified window trap. Koh Chao-Nien *et al.*, 2019: Psoc. as potential prey of birds and bats. Lienhard, 2019: Additions to the World Catalogue and Bibliography, Part 18. Lienhard & Yoshizawa, 2019a: authorities for names above the family-group. Lienhard & Yoshizawa, 2019b: authorities for family-group names. Lopez-Nunez *et al.*, 2019: Psoc. as inquiline in plant galls, Portugal (I). Lorenzon *et al.*, 2019: predation by bird, Argentina (V). Lynch *et al.*, 2019: in birds' nests, USA (III). Morales-Silva *et al.*, 2019: Psoc. on a species of Fabaceae in Brazil (V). Veraldi *et al.*, 2019: allergy to Psoc., with bibliography; Italy (I). Wang Ruiqian *et al.*, 2019a: only Archipsyllidae (A) from China (VIII) explicitly mentioned. Yin Rui *et al.*, 2019: soil fauna, climate change, Germany (I). Yoshizawa, 2019: Newsletter.

### **Psocoptera (Add. 20)**

Ferreira *et al.*, 2016: Psoc. in caves, Brazil (V). Anonymous 2018: Kazunori Yoshizawa, *Ig Nobel Prize Fanbook*. Anonymous 2019: Rodrigo Ferreira and Charles Lienhard, *Ig Nobel Prize Fanbook*. Delclos *et al.*, 2019: Psoc. mentioned from Early Cretaceous amber (A), Spain (I). Portela *et al.*, 2019: soil fauna, ecology. Ross, 2019: Burmese amber (A), checklist (p. 33). Atencia *et al.*, 2020: psocid mentioned as prey of Amphibia, Colombia (V). Babaei & Vadas, 2020: psocid as allergen causing anaphylaxis. De Kerdrel *et al.*, 2020: multilocus barcoding, Psoc. mentioned. Endshaw & Hiruy, 2020: pest in stored faba beans, Ethiopia (VI). Feng Yi-Xi *et al.*, 2020: control of stored product booklouse. Krueger *et al.*, 2020: psocid mentioned as prey of carnivorous plants, Australia (IX). Lienhard, 2020b: Additions to the World Catalogue and Bibliography, Part 19. Luna-Cozar *et al.*, 2020: psocids in ball moss *Tillandsia recurvata*, Mexico (IV). Maia & Siqueira, 2020: psocids as dwellers of insect galls, Brazil (V). Mizuno *et al.*, 2020: cleanliness of facilities for cell therapy (Psoc. mentioned). Panche-Chocue *et al.*, 2020: diversity and vertical distribution in forest, Colombian Amazon (V). Pires *et al.*, 2020: witches' brooms as microhabitats of psocids. Ross, 2020a, b: Burmese amber (A), checklist. Yoshizawa (ed:), 2020: Newsletter. Silva-Neto & Garcia Aldrete, 2020: Checklist of Psocoptera species from Brazil with key to families (V). Souza Silva *et al.*, 2020: cave psocids, Brazil (V). Stiegel *et al.*, 2020: flying in canopies in deciduous forests, Germany (I). Sundukov *et al.*, 2020: skink (Reptilia) as predator of psocids, Far East of Russia (VIII). Tezcan, 2020: Turkey (I), only families mentioned, no species explicitly mentioned.

### **TROGIOMORPHA (Add. 11-20)**

#### **Trogiomorpha (Add. 13)**

*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).

#### **Trogiomorpha (Add. 18)**

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

#### **Trogiomorpha (Add. 20)**

Checklist of known species from Cretaceous amber. Alvarez-Parra *et al.*, 2020: Table 1.

### **Cormopsocidae**

New family defined and its phylogenetic position within Psocodea discussed: Yoshizawa & Lienhard, 2020a: 209. Type genus: *Cormopsocus* Yoshizawa & Lienhard. NOTE: This new family is assigned to Trogiomorpha but not to one of the known infraorders (the family may even have a more basal position within Psocodea; see Yoshizawa & Lienhard, 2020a: Fig. 5).

*Cormopsocus*\*\* Yoshizawa & Lienhard, 2020a: 209. Gender: M. Type species: *Cormopsocus groehni* Yoshizawa & Lienhard.

*Cormopsocus groehni*\* Yoshizawa & Lienhard, 2020a: 211. Myanmar (VIII), mid-Cretaceous amber (A).

### **PRIONOGLARIDETAE (Add. 11-20)**

### **PRIONOGLARIDIDAE (Add. 11-20)**

#### **Prionoglarididae (Add. 11)**

Prionoglaridid from Cretaceous amber (Lebanon) figured by Grimaldi & Engel (2005: Fig. 8.6) belongs not to Prionoglarididae but to Psyllipsocidae: Mockford, 2011: 45 (based on

personal communication by C. Lienhard).

- Neotroglia brasiliensis* Lienhard, 2010. Morph.: Yoshizawa, 2011b (hindwing base structure).  
*Prionoglaris stygia* Enderlein. France (I): Keller, 2011 (host of pathogenic fungus). Germany (I): Günther & Lienhard, 2011. Figs: Lienhard, 2011b.  
*Siamoglaris* Lienhard, 2004. Revised diagnosis: Lienhard, 2011b: 294.  
*Siamoglaris zebrina* Lienhard, 2004. Description of female: Lienhard, 2011b: 296 (scent setae on gonapophyses). Further description of male: Lienhard, 2011b: 298. Thailand (VIII).  
*Siamoglaris theresiae*\* Lienhard, 2011b: 301. Thailand (VIII).

#### **Prionoglarididae (Add. 12)**

- Prionoglaris stygia* Enderlein. Germany (I): Schneider *et al.*, 2012. Spain (I): Baz, 2003.  
*Speleketor flocki* Gurney. North America (III): Mockford, 2012a (biogeography).  
*Speleketor irwini* Mockford. North America (III): Mockford, 2012a (biogeography).  
*Speleketor pictus* Mockford. North America (III): Mockford, 2012a (biogeography).

#### **Prionoglarididae (Add. 13)**

- Antennal morphology: Lienhard & Ferreira, 2013a:10.  
*Neotroglia curvata*\* Lienhard & Ferreira, 2013a: 4. Brazil (V).  
*Prionoglaris stygia* Enderlein. Luxembourg (I): Schneider & Weber, 2013 (ecol.).

#### **Prionoglarididae (Add. 14)**

- Neotroglia* Lienhard, 2010. Femal penis (gynosome), story of its discovery and its impact for evolutionary studies: Yoshizawa *et al.*, 2014d; Yoshizawa, 2015c.  
*Neotroglia aurora* Lienhard, 2010. Copulation (female penis): Yoshizawa *et al.*, 2014b; Yoshizawa, 2015c.  
*Neotroglia brasiliensis* Lienhard, 2010. Copulation (female penis): Yoshizawa *et al.*, 2014b.  
*Neotroglia curvata* Lienhard & Ferreira, 2013a. Copulation (female penis): Yoshizawa *et al.*, 2014b; Yoshizawa, 2015c.  
*Neotroglia truncata* Lienhard, 2010. Copulation (female penis): Yoshizawa *et al.*, 2014b.

#### **Prionoglarididae (Add. 15)**

- South American species (checklist and key) (V): Lienhard & Ferreira, 2015.  
*Neotroglia aurora* Lienhard, 2010. Brazil (V): Lienhard & Ferreira, 2015.  
*Neotroglia brasiliensis* Lienhard, 2010. Brazil (V): Lienhard & Ferreira, 2015.  
*Neotroglia curvata* Lienhard & Ferreira, 2013a. Brazil (V): Lienhard & Ferreira, 2015.  
*Neotroglia truncata* Lienhard, 2010. Brazil (V): Lienhard & Ferreira, 2015.

#### **Prionoglarididae (Add. 17)**

- Azar *et al.*, 2017: Species checklist and definition of new tribe **Siamoglaridini** Azar, Huang & Nel (*in* Azar *et al.*, 2017: 147), within Prionoglaridinae (for *Siamoglaris* Lienhard and *Palaeosiamoglaris* Azar, Huang & Nel).  
Yoshizawa *et al.*, 2017a: Monophyly of family supported by mitochondrial phylogeny.  
*Neotroglia* Lienhard. Behaviour: Kamimura & Yoshizawa, 2017 (sex role reversal); Zwart, 2017: p. 47 (scenario of 'phallic woman' phantasm is something biologically real in *Neotroglia*).  
*Neotroglia* spec. Phylog.: Yoshizawa *et al.*, 2017a (mitochondrial genome).  
*Neotroglia curvata* Lienhard & Ferreira, 2013. Brazil (V): Angarten *et al.*, 2017 (in cave). Morph.: Ogawa & Yoshizawa, 2017b (in-flight wing-coupling structure)  
*Palaeosiamoglaris*\*\* Azar, Huang & Nel, 2017, *in* Azar *et al.*, 2017: 147. Gender: F. Type species: *Palaeosiamoglaris lienhardi* Azar, Huang & Nel.  
*Palaeosiamoglaris burmica*\* Azar, Huang & Nel, 2017, *in* Azar *et al.*, 2017: 149. Myanmar (VIII), in Cretaceous amber (A).  
*Palaeosiamoglaris inexpectata*\* Azar, Huang & Nel, 2017, *in* Azar *et al.*, 2017: 150. Myanmar (VIII), in Cretaceous amber (A).  
*Palaeosiamoglaris lienhardi*\* Azar, Huang & Nel, 2017, *in* Azar *et al.*, 2017: 148 (several times misspelled *leinhardi*). Myanmar (VIII), in Cretaceous amber (A).

*Prionoglaris dactyloides* Lienhard. Greece (I): Beron, 2016 (in caves).  
*Prionoglaris stygia* Enderlein. Greece (I): Beron, 2016 (in caves). Morph.: Ogawa & Yoshizawa, 2017b (in-flight wing-coupling structure). Phylog.: Yoshizawa *et al.*, 2017a (mitochondrial genome).  
*Speleketor irwini* Mockford. Phylog.: Yoshizawa *et al.*, 2017a (mitochondrial genome).

#### **Prionoglarididae (Add. 18)**

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).  
*Neotroglia 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.

#### **Prionoglarididae (Add. 19)**

Phylogeny, historical biogeography, evolution of female penis: Yoshizawa *et al.*, 2019a, 2019b.  
*Afrotroglia* Lienhard, 2007b. Namibia (VI): Alvarenga *et al.*, 2019 (in caves, ecology). Evol.: Sloan & Simmons, 2019 (reversed mating roles).  
*Neotroglia* Lienhard, 2010. Brazil (V): Alvarenga *et al.*, 2019 (in caves, ecology). Evol.: Cepelewicz, 2019 (reversed sex organs); Sloan & Simmons, 2019 (reversed mating roles).  
*Prionoglaris stygia* Enderlein. Bulgaria (I): Georgiev, 2019 (cf. *stygia*, nymphs). Ecol.: Deharveng & Bedos, 2018 (in European caves, quasi-troglobite).  
*Speleketor flocki* Gurney. Ecol.: Deharveng & Bedos, 2018 (troglobite in North American caves).

#### **Prionoglarididae (Add. 20)**

Checklist of species recorded from Brazil (V): Silva-Neto & Garcia Aldrete, 2020.  
Evolution of knowledge on family Prionoglarididae: Lienhard, 2020a.  
*Neotroglia* Lienhard, 2010. History of discovery of female penis: Anonymous, 2018, 2019; Hollier & Hollier, 2020. Biol.: Czekanski-Moir & Rundell, 2020: 9. Female penis: Zwart, 2019: p. 44 (Psychology: phallus in human erotic activities and phantasies); Franklin-Hall, 2020 (Philosophy of Science: sexes as historical explanatory kinds); Hayssen, 2020.  
*Neotroglia aurora* Lienhard, 2010. Brazil (V): Ferreira *et al.*, 2016 (in caves).  
*Neotroglia curvata* Lienhard & Ferreira, 2013. Female penis (Figs): Hollier & Hollier, 2020.  
*Prionoglaris stygia* Enderlein. Bulgaria (I): Georgiev, 2020c.  
*Speleketor flocki* Gurney. USA (III) Colorado: Uhey & Kendall, 2020 (first record outside of a cave).

#### **PSYLLIPSOCETAE (Add. 11-20)**

## PSYLLIPSOCIDAE (Add. 11-20)

### Psyllipsocidae (Add. 11)

- Dorypteryx domestica* (Smithers). Finland (I): Kanervo, 2010. Germany (I): Günther & Lienhard, 2011.
- Dorypteryx longipennis* Smithers. Photograph: Van Zuijlen, 2010; De Wilde, 2011.
- Dorypteryx pallida* Aaron. Germany (I): Günther & Lienhard, 2011.
- Libanopsyllipsocus*\*\* Azar & Nel, 2011: 154. Gender: M. Type species: *Libanopsyllipsocus alexanderasnitzyi* Azar & Nel.
- Libanopsyllipsocus alexanderasnitzyi*\* Azar & Nel, 2011: 155. Amber (Cretaceous) (A): Lebanon (I). NOTE: The holotype figured is considered as a male by the authors; however, in my opinion these figures clearly illustrate a female specimen, not belonging to the family Psyllipsocidae but to the family Pachytroctidae.
- Psocathropos lachlani* Ribaga. Ascension Island (II): Lienhard & Ashmole, 2011.
- Psyllipsocus* Selys-Longchamps. Diagnosis, characters for distinguishing species, note on phallosome, phylogenetic discussion, key to North- and Middle-American species: Mockford, 2011.
- Psyllipsocus* spec. Dominica (IV): Garcia Aldrete, 2011a.
- Psyllipsocus albipalpus*\* Mockford, 2011: 18. Mexico (IV).
- Psyllipsocus apache*\* Mockford, 2011: 19. USA (III).
- Psyllipsocus decoratus*\* Mockford, 2011: 20. USA (III).
- Psyllipsocus flexuosus*\* Mockford, 2011: 20. Guatemala (IV).
- Psyllipsocus fuscipalpus*\* Mockford, 2011: 22. Guatemala (IV).
- Psyllipsocus hilli*\* Mockford, 2011: 22. USA (III).
- Psyllipsocus huastecanus*\* Mockford, 2011: 23. Mexico (IV).
- Psyllipsocus hyalinus* Garcia Aldrete. Mexico (IV): Mockford, 2011: 25 (further description).
- Psyllipsocus kintpuashi*\* Mockford, 2011: 25. USA (III).
- Psyllipsocus maculatus* Garcia Aldrete, 1993. Senior homonym of *P. maculatus* Li Fasheng, 2002: Mockford, 2011: 26 (further description); USA (III), Mexico (IV).
- Psyllipsocus maculatus* Li Fasheng, 2002. Junior homonym of *P. maculatus* Garcia Aldrete, 1993. Mockford, 2011: 26.
- Psyllipsocus oculus* Gurney. USA (III), Mexico (IV): Mockford, 2011: 26 (further description).
- Psyllipsocus poblanus*\* Mockford, 2011: 27. Mexico (IV).
- Psyllipsocus ramburii* Selys-Longchamps. Finland (I): Kanervo, 2010. Germany (I): Günther & Lienhard, 2011. Ascension Island (II): Lienhard & Ashmole, 2011. Azores (II): Baz, 2010. Saint Helena (II): Mendel *et al.*, 2008; Lienhard & Ashmole, 2011. North- and Middle-America (III, IV): Mockford, 2011: 27 (some notable characters mentioned).
- Psyllipsocus regiomontanus*\* Mockford, 2011: 28. Mexico (IV).
- Psyllipsocus squamatus*\* Mockford, 2011: 29. Mexico (IV).
- Psyllipsocus subterraneus*\* Mockford, 2011: 30. USA (III).
- Psyllipsocus yucatan* Gurney. Brazil (V): Mockford, 2011: 31 (further description).

### Psyllipsocidae (Add. 12)

- Dorypteryx domestica* (Smithers). Central Europe (I): Ineichen *et al.*, 2012. Germany (I): Schneider *et al.*, 2012. Switzerland (I): Lienhard, 2012b. North America (III): Mockford, 2012a (biogeography). Australia (IX): Gunawardene *et al.*, 2012 (fig.).
- Dorypteryx longipennis* Smithers. Germany (I): Schneider *et al.*, 2012.
- Dorypteryx pallida* Aaron. Germany (I): Tamm, 1982; Schneider *et al.*, 2012. North America (III): Mockford, 2012a (biogeography).
- Pseudodorypteryx mexicana* Garcia Aldrete. North America (III): Mockford, 2012a (biogeography).
- Psocathropos lachlani* Ribaga. North America (III): Mockford, 2012a (biogeography).
- Psyllipsocus* spec. Dominican Republic (IV) in Dominican amber (A): Poinar & Poinar, 1999 (erroneously assigned to Psocidae).
- Psyllipsocus apache* Mockford, 2011. North America (III): Mockford, 2012a (biogeography).
- Psyllipsocus decoratus* Mockford, 2011. North America (III): Mockford, 2012a (biogeography).

*Psyllipsocus hilli* Mockford, 2011. North America (III): Mockford, 2012a (biogeography).  
*Psyllipsocus huastecanus* Mockford, 2011. North America (III): Mockford, 2012a (biogeography).  
*Psyllipsocus hyalinus* Garcia Aldrete. North America (III): Mockford, 2012a (biogeography).  
*Psyllipsocus kintpuashi* Mockford, 2011. North America (III): Mockford, 2012a (biogeography).  
*Psyllipsocus maculatus* Garcia Aldrete. North America (III): Mockford, 2012a (biogeography).  
*Psyllipsocus neoleonensis* Garcia Aldrete. North America (III): Mockford, 2012a (biogeography).  
*Psyllipsocus oculatus* Gurney. North America (III): Mockford, 2012a (biogeography).  
*Psyllipsocus ramburii* Selys-Longchamps. Germany (I): Schneider *et al.*, 2012. Spain (I): Baz, 2003. Switzerland (I): Lienhard, 2012b. North America (III): Mockford, 2012a (biogeography).  
*Psyllipsocus regiomontanus* Mockford, 2011. North America (III): Mockford, 2012a (biogeography).  
*Psyllipsocus subterraneus* Mockford, 2011. North America (III): Mockford, 2012a (biogeography).  
*Psyllipsocus yucatan* Gurney. Brazil (V): Lienhard *et al.*, 2012 (wing membranes coated by microcrystals).

#### **Psyllipsocidae (Add. 13)**

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 clunijunctus*\* 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).

#### **Psyllipsocidae (Add. 14)**

*Dorypteryx domestica* (Smithers). Germany (I): Büchs, 1988 (dom.); Blick & Dorow, 2014a, 2014b. Romania (I): Pricop, 2014 (diagnosis, distribution). Australia (Barrow Island) (IX): Gunawardene *et al.*, 2012.  
*Libanopsyllipsocus* Azar & Nel, 2011. See Pachytroctidae.  
*Libanopsyllipsocus alexanderasnitsyni* Azar & Nel, 2011. Lebanon (I): Lower Cretaceous amber (A). See Pachytroctidae.  
*Psyllipsocus angustipennis*\* Lienhard, 2014; *in*: Lienhard & Ferreira, 2014: 239. Brazil (V).  
*Psyllipsocus clunioventralis*\* Lienhard, 2014; *in*: Lienhard & Ferreira, 2014: 225. Brazil (V).  
*Psyllipsocus didymus*\* Lienhard, 2014; *in*: Lienhard & Ferreira, 2014: 229. Brazil (V).  
*Psyllipsocus falcifer*\* Lienhard, 2014; *in*: Lienhard & Ferreira, 2014: 216. Brazil (V).  
*Psyllipsocus fuscistigma*\* Lienhard, 2014; *in*: Lienhard & Ferreira, 2014: 233. Brazil (V).  
*Psyllipsocus marconii*\* Lienhard, 2014; *in*: Lienhard & Ferreira, 2014: 220. Brazil (V).  
*Psyllipsocus proximus*\* Lienhard, 2014; *in*: Lienhard & Ferreira, 2014: 242. Brazil (V).  
*Psyllipsocus punctulatus*\* Lienhard, 2014; *in*: Lienhard & Ferreira, 2014: 236 (male). Brazil (V).  
*Psyllipsocus* cf. *punctulatus* Lienhard, 2014. Lienhard & Ferreira, 2014: 238 (female). Brazil (V).  
*Psyllipsocus radiopictus*\* Lienhard, 2014; *in*: Lienhard & Ferreira, 2014: 234. Brazil (V).  
*Psyllipsocus ramburii* Selys-Longchamp. Netherlands (I): Gielis *et al.*, 2014 (in bird nest boxes).  
*Psyllipsocus spinifer*\* Lienhard, 2014; *in*: Lienhard & Ferreira, 2014: 212. Brazil (V).  
*Psyllipsocus subtilis*\* Lienhard, 2014; *in*: Lienhard & Ferreira, 2014: 229. Brazil (V).

*Psyllipsocus thaidis*\* Lienhard, 2014; *in*: Lienhard & Ferreira, 2014: 223. Brazil (V).  
*Psyllipsocus yucatan* Gurney. Brazil (V): Silva Neto *et al.*, 2014a.

#### **Psyllipsocidae (Add. 15)**

South American species (checklist and key) (V): Lienhard & Ferreira, 2015.

*Psocathropos lachlani* Ribaga. Further description: Lienhard & Ferreira, 2015: 130. Israel, Morocco (I); Ascension Island, Cape Verde Islands, Madeira (II); Guadeloupe, Guatemala, Jamaica (IV); Brazil, Paraguay (V); Liberia, Mozambique, Rwanda, Togo (VI); Reunion (VII); India, Indonesia, Malaysia, Singapore, Thailand (VIII); Fiji (X).

*Psocathropos termitorum* (Townsend). **Synonymy**: Lienhard & Ferreira, 2015: 130.

*Psocathropos astizi* (Brèthes). **Synonymy**: Lienhard & Ferreira, 2015: 130.

*Psocathropos pilipennis* (Enderlein). Further description: Lienhard & Ferreira, 2015: 132. Curaçao, Honduras (IV); Brazil (V); Malaysia, Singapore, Thailand, Vietnam (VIII).

*Psyllipsocus angustipennis* Lienhard, 2014. Brazil (V): Lienhard & Ferreira, 2015.

*Psyllipsocus clunioventralis* Lienhard, 2014. Brazil (V): Lienhard & Ferreira, 2015.

*Psyllipsocus clunjunctus* Lienhard, 2013. Brazil (V): Lienhard & Ferreira, 2015.

*Psyllipsocus didymus* Lienhard, 2014. Brazil (V): Lienhard & Ferreira, 2015.

*Psyllipsocus falcifer* Lienhard, 2014. Brazil (V): Lienhard & Ferreira, 2015.

*Psyllipsocus fuscistigma* Lienhard, 2014. Brazil (V): Lienhard & Ferreira, 2015.

*Psyllipsocus marconii* Lienhard, 2014. Brazil (V): Lienhard & Ferreira, 2015.

*Psyllipsocus proximus* Lienhard, 2014. Brazil (V): Lienhard & Ferreira, 2015.

*Psyllipsocus punctulatus* Lienhard, 2014. Brazil (V): Lienhard & Ferreira, 2015.

*Psyllipsocus radiopictus* Lienhard, 2014. Brazil (V): Lienhard & Ferreira, 2015.

*Psyllipsocus ramburii* Selys-Longchamp. Further description: Lienhard & Ferreira, 2015: 123. Brazil (V).

*Psyllipsocus variabilis* Badonnel. **Synonymy**: Lienhard & Ferreira, 2015: 123.

*Psyllipsocus dubius* Badonnel. **Synonymy**: Lienhard & Ferreira, 2015: 123.

*Psyllipsocus serrifer* Lienhard, 2013. Brazil (V): Lienhard & Ferreira, 2015.

*Psyllipsocus similis* Lienhard, 2013. Brazil (V): Lienhard & Ferreira, 2015.

*Psyllipsocus spinifer* Lienhard, 2014. Brazil (V): Lienhard & Ferreira, 2015.

*Psyllipsocus subtilis* Lienhard, 2014. Brazil (V): Lienhard & Ferreira, 2015.

*Psyllipsocus thaidis* Lienhard, 2014. Brazil (V): Lienhard & Ferreira, 2015.

*Psyllipsocus yucatan* Gurney. Further description: Lienhard & Ferreira, 2015: 126. Antigua, Aruba, Jamaica (IV); Brazil (V); Kenya, Senegal (VI); Thailand (VIII).

*Psyllipsocus collarti* Badonnel. **Synonymy**: Lienhard & Ferreira, 2015: 126.

*Psyllipsocus decui* Badonnel. **Synonymy**: Lienhard & Ferreira, 2015: 126.

#### **Psyllipsocidae (Add. 16)**

*Dorypteryx domestica* (Smithers). Germany (I): Schmidt, 2015 (fig.). Malta (I): Lienhard & Mifsud, 2016 (only nymph examined). Peru (V): Cerdeña, 2016. Japan (VIII): Yoshizawa, 2016c.

*Psyllipsocus ramburii* Selys-Longchamp. Bulgaria (I): Georgiev, 2016b (in cave). Romania (I): Moldovan *et al.*, 2007.

*Psyllipsocus sauteri* (Enderlein). Japan (VIII): Yoshizawa, 2016c.

*Psyllipsocus stupendus*\* Lienhard & Garcia Aldrete, 2016: 106. Mexico (IV).

*Sinopsyllipsocus*\*\* Zhang Qingqing, Nel, Azar & Wang Bo 2016: 367. Gender: M. Type species: *Sinopsyllipsocus fushunensis* Zhang Qingqing, Nel, Azar & Wang Bo. NOTE: The name of this genus is apparently twice misspelled on p. 371: *Sinocladiopsocus*.

*Sinopsyllipsocus fushunensis*\* Zhang Qingqing, Nel, Azar & Wang Bo 2016: 367. China (VIII), Eocene Fushun amber (A). NOTE: The species name is apparently misspelled on p. 371: *fossilis* (combined with the misspelled genus name *Sinocladiopsocus*).

### **Psyllipsocidae (Add. 17)**

- Dorypteryx domestica* (Smithers). Great Britain (I): Robinson & Allan, 2017 (in Museum).  
Parasit.: Rueckert & Devetak, 2017 (Gregarine species *Enterocystis dorypterygis*; potential biological control). Phylog.: Yoshizawa *et al.*, 2017a (mitochondrial genome).
- Dorypteryx longipennis* Smithers. Great Britain (I): Robinson & Allan, 2017 (in Museum).
- Psyllipsocus ramburii* Selys-Longchamp. Greece (I): Beron, 2016 (in caves). Italy (Island of Sardinia) (I): Mucedda *et al.*, 2013 (in caves). Mexico (IV): Reddell, 1982 (in cave).
- Psyllipsocus yucatan* Gurney. Morph.: Ogawa & Yoshizawa, 2017b (in-flight wing-coupling structure).

### **Psyllipsocidae (Add. 18)**

- 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-Longchamp. 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).

### **Psyllipsocidae (Add. 19)**

- Canada (III): Anonby, 2019 (2 species of Psyllipsocidae known from Canada, not listed).
- Concavapsocus*\*\* Wang Ruiqian, Li Sheng, Ren Dong & Yao Yunzhi, 2019: 2. Gender: M. Type species: *Concavapsocus parallelus* Wang Ruiqian, Li Sheng, Ren Dong & Yao Yunzhi.
- Concavapsocus parallelus*\* Wang Ruiqian, Li Sheng, Ren Dong & Yao Yunzhi, 2019: 2. Myanmar (VIII), in mid-Cretaceous amber (A).
- Dorypteryx domestica* (Smithers). Bulgaria (I): Georgiev, 2018b.
- Psyllipsocus batuenis* Thornton. Malaysia (VIII): Moseley *et al.*, 2012 (cave fauna).
- Psyllipsocus hirsutus* Thornton. Malaysia (VIII): Moseley *et al.*, 2012 (cave fauna).
- Psyllipsocus ramburii* Selys-Longchamp. Armenia (I): Golub, 2019. Bulgaria (I): Georgiev, 2018b. Greece (I): Georgiev & Ivanova, 2019a.

### **Psyllipsocidae (Add. 20)**

- Checklist of species recorded from Brazil (V): Silva-Neto & Garcia Aldrete, 2020.
- Dorypteryx domestica* (Smithers). Bulgaria (I): Georgiev, 2020c. USA (III) Alsaka: Sikes & Callegari, 2020 (domestic in Museum).
- Psyllipsocus ramburii* Selys-Longchamp. Belarus (I): Ostrovsky & Georgiev, 2020. Bulgaria (I): Georgiev, 2020b, 2020c.
- Psyllipsocus yoshizawai*\* Alvarez-Parra, Peñalver, Nel & Delclòs, 2020: 3. Cretaceous amber (A), Myanmar (VIII).

## **ATROPETAE (Add. 11-20)**

## **ARCHAEATROPIDAE (Add. 11-20)**

### **Archaeatropidae (Add. 13)**

- 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).  
*Proprionoglaris* Perrichot, Azar, Néraudeau & Nel, 2003. Mockford *et al.*, 2013: 7 (**from** *Trogiomorpha incertae sedis*). Early Cretaceous amber, France (A).  
*Prospelektor* 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).

### **Archaeatropidae (Add. 14)**

- Proprionoglaris axioperi erga*\* Azar, Nel & Perrichot, 2014: 11. France (I), Late Cretaceous Vendean amber (A).

## **EMPHERIIDAE (Add. 11-20)**

### **Empheriidae (Add. 13)**

- 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 & Petrulovicus, 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).

### **Empheriidae (Add. 20)**

- Burmempheria*\*\* Li Sheng, Wang Qiuzhu & Yao Yunzhi 2020: 2. Gender: F. Type species: *Burmempheria densuschaetae* Li Sheng, Wang Qiuzhu & Yao Yunzhi.  
*Burmempheria densuschaetae*\* Li Sheng, Wang Qiuzhu & Yao Yunzhi 2020: 3. Myanmar (VIII), mid-Cretaceous Burmese (A).  
*Burmempheria raruschaetae*\* Li Sheng, Wang Qiuzhu & Yao Yunzhi 2020: 3. Myanmar (VIII), mid-Cretaceous Burmese (A).

## **PSOQUILLIDAE (Add. 11-20)**

### **Psoquillidae (Add. 11)**

- Psoquilla marginepunctata* Hagen. Germany (I): Günther & Lienhard, 2011. Azores (II): Baz, 2010. Mexico (IV): Castaño-Meneses *et al.*, 2005.

### **Psoquillidae (Add. 12)**

- Balliella ealensis* Badonnel. North America (III): Mockford, 2012a (biogeography).  
*Psoquilla marginepunctata* Hagen. North America (III): Mockford, 2012a (biogeography). Galapagos (X): Peck, 2012.  
*Rhyopsocoides typhicolus* Garcia Aldrete, 2006. North America (III): Mockford, 2012a

(biogeography).

*Rhyopsocus* spec. Dominican Republic (IV) in Dominican amber (A): Poinar & Poinar, 1999; Scheven, 2004 (photograph).

*Rhyopsocus* spec. North America (III): Mockford, 2012a (biogeography).

*Rhyopsocus bentonae* Sommerman. North America (III): Mockford, 2012a (biogeography).

*Rhyopsocus disparilis* (Pearman). North America (III): Mockford, 2012a (biogeography).

*Rhyopsocus eclipticus* Hagen. North America (III): Mockford, 2012a (biogeography).

*Rhyopsocus maculosus* Garcia Aldrete. North America (III): Mockford, 2012a (biogeography).

*Rhyopsocus micropterus* Mockford. North America (III): Mockford, 2012a (biogeography).

*Rhyopsocus orthatus* Thornton & Woo. Galapagos (X): Peck, 2012.

*Rhyopsocus texanus* (Banks). North America (III): Mockford, 2012a (biogeography).

#### **Psoquillidae (Add. 13)**

*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.

#### **Psoquillidae (Add. 16)**

*Rhyopsocus* Hagen. Revised definition: Mockford, 2016: 216. Key to brachypterous species from southwestern USA, Mexico and Guatemala: Mockford, 2016: 222 (ecol., disc. on phylogeny).

*Rhyopsocus celtis*\* Mockford, 2016: 217. USA (III), Mexico (IV).

*Rhyopsocus concavus* Garcia Aldrete. Further description: Mockford, 2016: 222. Mexico (IV).

*Rhyopsocus maculosus* Garcia Aldrete. Further description: Mockford, 2016: 221. Mexico (IV).

*Rhyopsocus maculosus* Form B. Guatemala, Mexico (IV): Mockford, 2016: 221 (short description).

*Rhyopsocus micropterus* Mockford. Further description: Mockford, 2016: 220.

*Rhyopsocus quercus*\* Mockford, 2016: 219. USA (III), Mexico (IV).

*Rhyopsocus texanus* (Banks). Further description: Mockford, 2016: 221. Guatemala (IV).

#### **Psoquillidae (Add. 17)**

*Psoquilla* spec. Morph.: Ogawa & Yoshizawa, 2017b (in-flight wing-coupling structure).

*Psoquilla marginepunctata* Hagen. Netherlands (I): Noordijk *et al.*, 2017.

#### **Psoquillidae (Add. 18)**

*Psoquilla* spec. Morph.: Ogawa & Yoshizawa, 2018a (structure of stigmapophysis); Ghana (VI).

*Psoquilla marginepunctata* Hagen. Colombia (V): Garcia Aldrete *et al.*, 2018.

*Rhyopsocus bicornis* Badonnell. Colombia (V): Garcia Aldrete *et al.*, 2018.

#### **Psoquillidae (Add. 20)**

Checklist of species recorded from Brazil (V): Silva-Neto & Garcia Aldrete, 2020.

### **TROGIIDAE (Add. 11-20)**

#### **Trogiidae (Add. 11)**

*Cerobasis annulata* (Hagen). Germany (I): Günther & Lienhard, 2011. Azores (II): Baz, 2010. Saint Helena (II): Mendel *et al.*, 2008; Lienhard & Ashmole, 2011.

*Cerobasis atlantica*\* Lienhard, 2011; *in*: Lienhard & Ashmole, 2011: 427. Saint Helena (II).

*Cerobasis guestfalica* (Kolbe). Finland (I): Kanervo, 2010. Germany (I): Günther & Lienhard,

2011. Ascension Island (II): Lienhard & Ashmole, 2011. Azores (II): Baz, 2010. Saint Helena (II): Mendel *et al.*, 2008; Lienhard & Ashmole, 2011.

*Cerobasis harteni* Lienhard. Azores (II): Baz, 2010.

*Cerobasis maya* Garcia Aldrete. Ascension Island (II): Lienhard & Ashmole, 2011 (descr.).

*Helenatropos abrupta* Lienhard, 2005. Description of male: Lienhard & Ashmole, 2011: 426; South Africa (VI). Saint Helena (II): Mendel *et al.*, 2008; Lienhard & Ashmole, 2011.

*Lepinotus inquilinus* Heyden. Germany (I): Günther & Lienhard, 2011. Azores (II): Baz, 2010. Saint Helena (II): Mendel *et al.*, 2008; Lienhard & Ashmole, 2011.

*Lepinotus patruelis* Pearman. Finland (I): Kanervo, 2010. Germany (I): Günther & Lienhard, 2011. Photograph: Van Zuijlen, 2010.

*Lepinotus reticulatus* Enderlein. Germany (I): Günther & Lienhard, 2011. Azores (II): Baz, 2010. Pest: Athanassiou *et al.*, 2010d (control).

*Trogium pulsatorium* (Linnaeus). Finland (I): Kanervo, 2010. Germany (I): Günther & Lienhard, 2011. Azores (II): Baz, 2010.

### **Trogiidae (Add. 12)**

*Cerobasis* spec. North America (III): Mockford, 2012a (biogeography).

*Cerobasis annulata* (Hagen). North America (III): Mockford, 2012a (biogeography).

*Cerobasis guestfalica* (Kolbe). Germany (I): Schneider *et al.*, 2012. Spain (I): Montserrat Larrosa & Barrientos Alfageme, 1999; Baz, 2003; Mederos-Lopez & Baz Ramos, 2012. Switzerland (I): Lienhard, 2012b. North America (III): Mockford, 2012a (biogeography).

*Cerobasis lambda* Thornton & Woo. Galapagos (X): Peck, 2012.

*Cerobasis recta* Thornton & Woo. Galapagos (X): Peck, 2012.

*Cerobasis treptica* Thornton & Woo. Galapagos (X): Peck, 2012.

*Lepinotus* spec. Australia (IX): Gunawardene *et al.*, 2012.

*Lepinotus inquilinus* Heyden. Germany (I): Schneider *et al.*, 2012. North America (III): Mockford, 2012a (biogeography).

*Lepinotus patruelis* Pearman. Germany (I): Schneider *et al.*, 2012. Switzerland (I): Lienhard, 2012b. North America (III): Mockford, 2012a (biogeography). Biol.: Bonduriansky, 2001 (male mate choice).

*Lepinotus reticulatus* Enderlein. Spain (I): Baz, 2003; Mederos-Lopez & Baz Ramos, 2012. Switzerland (I): Lienhard, 2012b. North America (III): Mockford, 2012a (biogeography). China (VIII): Li Zhihong *et al.*, 2012 (DNA barcode, SEM micrographs, pest). Pest: Arif *et al.*, 2012 (molecular identification); Athanassiou *et al.*, 2012 (control).

*Myrmicodipnella aptera* Enderlein. North America (III): Mockford, 2012a (biogeography).

*Trogium braheicola* Garcia Aldrete. North America (III): Mockford, 2012a (biogeography).

*Trogium pulsatorium* (Linnaeus). Russia (I): Golub, 2007 (ecol.). Spain (I): Baz, 2003. North America (III): Mockford, 2012a (biogeography). Ethol.: Solowiow, 1924d.

### **Trogiidae (Add. 13)**

*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 (ecol.). New Zealand (IX): Smithers, 2010.

#### **Trogiidae (Add. 14)**

- Cerobasis* spec. Morph.: Friedemann *et al.*, 2014 (attachment structures; p. 178: tarsi erroneously considered as 2-segmented in adult *Cerobasis*).
- Lepinotus* spec. Australia (Barrow Island) (IX): Gunawardene *et al.*, 2012.
- Lepinotus patruelis* Pearman. Netherlands (I): Gielis *et al.*, 2014 (in bird nest boxes). Biol.: Yoshizawa *et al.*, 2014b (sexual biology, comparison with *Neotroglia* spp.).
- Lepinotus reticulatus* Enderlein. Biol.: Nayak *et al.*, 2014 (life history). Ecol.: Athanassiou *et al.*, 2014b (*Liposcelis bostrychophila* outcompetes *Lepinotus reticulatus* in stored products).

#### **Trogiidae (Add. 15)**

- Cerobasis annulata* (Hagen). Malta (I): Lienhard & Mifsud, 2015.
- Cerobasis guestfalica* (Kolbe). Malta (I): Lienhard & Mifsud, 2015.
- Lepinotus patruelis* Pearman. Greenland (I): Svensson, 2015.
- Lepinotus reticulatus* Enderlein. Malta (I): Lienhard & Mifsud, 2015. Pest: Arif *et al.*, 2015; Athanassiou *et al.*, 2015 (control); Diaz-Montano *et al.*, 2015 (monitoring).
- Trogium pulsatorium* (Linnaeus). Greenland (I): Svensson, 2015.

#### **Trogiidae (Add. 16)**

- Cerobasis annulata* (Hagen). Germany (I): Schmidt, 2015.
- Cerobasis guestfalica* (Kolbe). Albania (I): Lock, 2015. Germany (I): Schmidt, 2015. Romania (I): Moldovan *et al.*, 2007. Japan (VIII): Yoshizawa, 2016c. Biol: Vershinina & Kuznetsova, 2016 (parthenogenesis).
- Cyptophania pakaratii* Mockford & Wynne, 2013. Easter Island (X): Wynne *et al.*, 2014 (relict fauna in cave).
- Echmepteryx hageni* (Packard). Biol: Vershinina & Kuznetsova, 2016 (parthenogenesis).
- Lepinotus inquilinus* Heyden. Romania (I): Moldovan *et al.*, 2007. Japan (VIII): Yoshizawa, 2016c.
- Lepinotus patruelis* Pearman. Germany (I): Schmidt, 2015.
- Lepinotus reticulatus* Enderlein. Bulgaria (I): Georgiev, 2016a. Romania (I): Moldovan *et al.*, 2007. Japan (VIII): Yoshizawa, 2016c.
- Trogium apterum* Broadhead & Richards. Iran (I): Nikpay, 2016 (figs).
- Trogium pulsatorium* (Linnaeus). Albania (I): Lock, 2015. Germany (I): Schmidt, 2015. Romania (I): Moldovan *et al.*, 2007. Japan (VIII): Yoshizawa, 2016c.

#### **Trogiidae (Add. 17)**

- Cerobasis guestfalica* (Kolbe). Bulgaria (I): Georgiev, 2017d. Greece (I): Georgiev, 2017c. Biol.: Ma & Schwander, 2017 (parthenogenesis believed to be endosymbiont-induced by *Wolbachia*).
- Lepinotus inquilinus* Heyden. Bulgaria (I): Georgiev, 2017d.
- Lepinotus reticulatus* Enderlein. Greece (I): Georgiev, 2017c. Iran (I): Khandehroo *et al.*, 2015. Romania (I): Chiriliuc & Andriescu, 2016 (collected from dry hibernating stems by "Schmitz" photo selector). Korea (VIII): Soysouvanh *et al.*, 2017.
- Trogium pulsatorium* (Linnaeus). Korea (VIII): Soysouvanh *et al.*, 2017. Phylog.: Yoshizawa *et al.*, 2017a (mitochondrial genome).

#### **Trogiidae (Add. 18)**

- 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.

#### **Trogiidae (Add. 19)**

Canada (III): Anonby, 2019 (4 species of Trogiidae known from Canada, not listed).

*Cerobasis guestfalica* (Kolbe). Greece (I): Georgiev & Ivanova, 2019a, 2019b.

*Lepinotus reticulatus* Enderlein. Armenia (I): Golub, 2019. Bulgaria (I): Georgiev, 2018b. Greece (I): Georgiev & Ivanova, 2019b. Netherlands (I): Noordijk, 2019a.

#### **Trogiidae (Add. 20)**

Checklist of species recorded from Brazil (V): Silva-Neto & Garcia Aldrete, 2020.

*Cerobasis guestfalica* (Kolbe). Bulgaria (I): Georgiev, 2020c. Greece (I): Georgiev, 2020a.

*Cretolepinotus*\*\* Cockx, McKellar, Tappert, Vavrek & Muehlenbachs, 2020: 382. Gender: M. Type species: *Cretolepinotus tankei* Cockx, McKellar, Tappert, Vavrek & Muehlenbachs, 2020.

*Cretolepinotus tankei*\* Cockx, McKellar, Tappert, Vavrek & Muehlenbachs, 2020: 382. Canada (III), Upper Cretaceous amber (A).

*Lepinotus inquilinus* Heyden. Belarus (I): Ostrovsky & Georgiev, 2020. Bulgaria (I): Georgiev, 2020b, 2020c.

*Lepinotus reticulatus* Enderlein. Bulgaria (I): Georgiev, 2020b, 2020c. Greece (I): Georgiev, 2020a.

*Trogium pulsatorium* (Linnaeus). Bulgaria (I): Georgiev, 2020c. Greece (I): Georgiev, 2020a.

### **LEPIDOPSOCIDAE (Add. 11-20)**

#### **Lepidopsocidae (Add. 11)**

*Echmepteryx* spec. Dominica (IV): Garcia Aldrete, 2011a.

*Echmepteryx falco* (Badonnel). Colombia (V): Sarria, 2011.

*Echmepteryx hageni* (Packard). USA (III): Shreve *et al.*, 2011 (genetic diversity, parthenogenesis).

*Echmepteryx madagascariensis* (Kolbe). Germany (I): Günther & Lienhard, 2011. Colombia (V): Sarria, 2011.

*Nepticulomima* spec. Dominica (IV): Garcia Aldrete, 2011a.

*Proentomum personatum* Badonnel. Dominica (IV): Garcia Aldrete, 2011a. Colombia (V): Sarria, 2011.

*Pseudopsyllipsocus* Li Fasheng, 2002. Genus assigned to Lepidopsocidae: Mockford, 2011: 18.

*Soa flaviterminata* Enderlein. Germany (I): Günther & Lienhard, 2011. Dominica (IV): Garcia Aldrete, 2011a.

#### **Lepidopsocidae (Add. 12)**

*Cyptophania* spec. North America (III): Mockford, 2012a (biogeography).

*Echmepteryx* spec. Dominican Republic (IV) in Dominican amber (A): Poinar & Poinar, 1999; Scheven, 2004 (photograph).

*Echmepteryx (Thylacopsis)* spec. North America (III): Mockford, 2012a (biogeography).

*Echmepteryx (Echmepteryx) alpha* Garcia Aldrete. North America (III): Mockford, 2012a (biogeography).

*Echmepteryx aperta* Thornton & Woo. Galapagos (X): Peck, 2012.

*Echmepteryx (Thylacopsis) falco* (Badonnel). North America (III): Mockford, 2012a (biogeography).

*Echmepteryx (Echmepteryx) hageni* (Packard). North America (III): Mockford, 2012a

(biogeography). USA (III): Coots *et al.*, 2012a (ecol.), 2012b (ecol.).  
*Echmepteryx (Echmepteryx) intermedia* Mockford. North America (III): Mockford, 2012a (biogeography).  
*Echmepteryx lunulata* Thornton, Lee & Chui. Galapagos (X): Peck, 2012.  
*Echmepteryx (Thylacopsis) madagascariensis* (Kolbe). North America (III): Mockford, 2012a (biogeography). Galapagos (X): Peck, 2012.  
*Echmepteryx (Echmepteryx) youngi* Mockford. North America (III): Mockford, 2012a (biogeography).  
*Lepidopsocus maculatus* Thornton, Lee & Chui. Galapagos (X): Peck, 2012.  
*Neolepolepis caribensis* (Turner). North America (III): Mockford, 2012a (biogeography).  
*Neolepolepis occidentalis* (Mockford). North America (III): Mockford, 2012a (biogeography).  
*Neolepolepis xerica* (Garcia Aldrete). North America (III): Mockford, 2012a (biogeography).  
*Nepticulomima* spec. North America (III): Mockford, 2012a (biogeography).  
*Nepticulomima cavagnaroi* Thornton & Woo. Galapagos (X): Peck, 2012.  
*Proentomum personatum* Badonnel. North America (III): Mockford, 2012a (biogeography).  
*Pteroxanium* spec. Australia (IX): Gunawardene *et al.*, 2012.  
*Pteroxanium forcepetum* Garcia Aldrete. North America (III): Mockford, 2012a (biogeography).  
*Pteroxanium kelloggi* (Ribaga). North America (III): Mockford, 2012a (biogeography).  
*Soa flaviterminata* Enderlein. North America (III): Mockford, 2012a (biogeography). Galapagos (X): Peck, 2012.  
*Soa reticulata* Thornton & Woo. Galapagos (X): Peck, 2012.  
*Thylacella cubana* (Banks). North America (III): Mockford, 2012a (biogeography).

#### **Lepidopsocidae (Add. 13)**

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 pakarati*\* 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.

#### **Lepidopsocidae (Add. 14)**

*Echmepteryx* spec. Brazil (V): Silva Neto *et al.*, 2014a.

*Echmepteryx falco* (Badonnel). Brazil (V): Silva Neto *et al.*, 2014a. Colombia (V): Sarria *et al.*, 2014a, 2014b.  
*Echmepteryx hageni* (Packard). USA (III): Shreve & Johnson, 2014 (population genetics, parthenogenesis).  
*Echmepteryx madagascariensis* (Kolbe). Colombia (V): Sarria *et al.*, 2014a, 2014b.  
*Lepidopsocus pretiosus* (Banks). Colombia (V): Sarria *et al.*, 2014a, 2014b.  
*Lepolepis* spec. Colombia (V): Sarria *et al.*, 2014a, 2014b.  
*Nepticulomima hoesemanni* (Enderlein). Colombia (V): Sarria *et al.*, 2014a, 2014b.  
*Proentomum personatum* Badonnel. Colombia (V): Sarria *et al.*, 2014a, 2014b.  
*Pteroxanium* spec. Australia (Barrow Island) (IX): Gunawardene *et al.*, 2012.  
*Thylacella cubana* (Banks). Fig.: Lopez, 2015 (habitus photograph).

#### **Lepidopsocidae (Add. 16)**

Lepidopsocidae gen. spec. Evol.: Shi Yan *et al.*, 2016 (mitochondrial genome).  
*Echmepteryx lunulata* Thornton, Lee & Chui. Japan (VIII): Yoshizawa, 2016c.  
*Echmepteryx madagascariensis* (Kolbe). Japan (VIII): Yoshizawa, 2016c.  
*Pteroxanium kelloggi* (Ribaga). Belgium (I): Lock *et al.*, 2015 (fig.).

#### **Lepidopsocidae (Add. 17)**

Lepidopsocidae gen. spec. Genet.: Liu Xiaochen *et al.*, 2017 (mitochondrial genome). Phylog.: Yoshizawa *et al.*, 2017a (mitochondrial genome).  
*Echmepteryx hageni* (Packard). Morph.: Ogawa & Yoshizawa, 2017b (in-flight wing-coupling structure). Phylog.: Yoshizawa *et al.*, 2017a (mitochondrial genome).

#### **Lepidopsocidae (Add. 18)**

*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 hoesemanni* (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.

#### **Lepidopsocidae (Add. 19)**

Canada (III): Anonby, 2019 (3 species of Lepidopsocidae known from Canada, not listed).  
Lepidopsocid gen. spec. Evol.: Song Fan *et al.*, 2019 (mitochondrial genome data used for analysis of Psocodea phylogeny).  
*Echmepteryx angusta* New. Data about type material: Silva Neto *et al.*, 2019b.  
*Echmepteryx bishopi* New. Data about type material: Silva Neto *et al.*, 2019b.  
*Echmepteryx fuscata* New. Data about type material: Silva Neto *et al.*, 2019b.  
*Notolepium brasiliense* New. Data about type material: Silva Neto *et al.*, 2019b.  
*Parasoa haploneura* Thornton. Malaysia (VIII): Moseley *et al.*, 2012 (cave fauna).  
*Proentomum pulvillatum* (New). Data about type material: Silva Neto *et al.*, 2019b.  
*Soa violacea* New. Data about type material: Silva Neto *et al.*, 2019b.

#### **Lepidopsocidae (Add. 20)**

Checklist of species recorded from Brazil (V): Silva-Neto & Garcia Aldrete, 2020.  
*Echmepteryx* spec. Brazil (V): Rafael *et al.*, 2020.  
*Echmepteryx (Loxopholia) dominicanus* (sic!) Hakim *et al.*, 2018. Mid-Miocene Dominican Amber (A) (IV): Hakim *et al.*, 2019c.

*Soa flaviterminata* Enderlein. Brazil (V): Rafael *et al.*, 2020.  
*Soa papanasam*\* Ramesh, Babu & Subramanian, 2020: 384. India (VIII).

## TROCTOMORPHA (Add. 11-20)

### Troctomorpha (Add. 17)

Phylog.: Ogawa & Yoshizawa, 2017b (in-flight wing-coupling structure contains an autapomorphy of Troctomorpha and a synapomorphy of Troctomorpha and Psocomorpha).

### Troctomorpha (Add. 20)

Checklist of known species from Cretaceous amber. Alvarez-Parra *et al.*, 2020: Table 1.

## NANOPSOCETAE (Add. 11-20)

### Nanopsocetae (Add. 20)

New classification by de Moya *et al.*, 2020 (Table 3): Nanopsocetae no longer considered as a valid infraorder. It is replaced by the following three infraorders: **Sphaeropsocetae** de Moya *et al.*, 2020, **Pachytroctetae** de Moya *et al.*, 2020, **Liposcelidetae** Smithers, 1972 and **Phthiraptera** (the latter containing 5 parvorders).

## SPHAEROPSOCIDAE (Add. 11-20)

### Sphaeropsocidae (Add. 11)

*Badonnelia titei* Pearman. Czech Republic (I): Holusa, 2009. Finland (I): Kanervo, 2010.  
Germany (I): Günther & Lienhard, 2011.

*Sphaeropsocopsis insularum*\* Lienhard, 2011; *in*: Lienhard & Ashmole, 2011: 434. Saint Helena, Ascension Island (II).

*Sphaeropsocopsis* cf. *microps* Badonnel: Ashmole & Ashmole, 1997, 2000a; Lienhard, 2004d.

*Sphaeropsocopsis myrtleae* Lienhard & Ashmole. Description of male, further description of female: Lienhard & Ashmole, 2011. Saint Helena (II): Mendel *et al.*, 2008; Lienhard & Ashmole, 2011.

### Sphaeropsocidae (Add. 12)

*Badonnelia titei* Pearman. Switzerland (I): Lienhard, 2012b. North America (III): Mockford, 2012a (biogeography).

*Prosphaeropsocus californicus* Mockford, 2009. North America (III): Mockford, 2012a (biogeography).

*Prosphaeropsocus pallidus* Mockford, 2009. North America (III): Mockford, 2012a (biogeography).

*Sphaeropsocopsis argentina* (Badonnel). North America (III): Mockford, 2012a (biogeography).

*Sphaeropsocopsis castanea* Mockford, 2009. North America (III): Mockford, 2012a (biogeography).

*Sphaeropsocus kuenowii* Hagen. Baltic amber (I) (A): Scheven, 2004 (photograph).

*Troglosphaeropsocus voylesi* Mockford, 2009. North America (III): Mockford, 2012a (biogeography).

### Sphaeropsocidae (Add. 13)

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).
- Sphaeropsocoides* 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).

**Sphaeropsocidae (Add. 16)**

*Badonnella titei* Pearman. Netherlands (I): Noordijk, 2015 (fig.).

**Sphaeropsocidae (Add. 18)**

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

**Sphaeropsocidae (Add. 19)**

*Sphaeropsocopsis myrtleae* Lienhard & Ashmole. Ecol.: Deharveng & Bedos, 2018 (only known eyeless cave psocid).

**Sphaeropsocidae (Add. 20)**

de Moya *et al.*, 2020 (Table 3): infraorder **Sphaeropsocetae** de Moya *et al.*, 2020 proposed for Sphaeropsocidae within suborder Troctomorpha.

**PACHYTROCTIDAE (Add. 11-20)**

**Pachytroctidae (Add. 11)**

See "NOTE" on *Libanopsyllipsocus alexanderasnitzyi* (Psyllipsocidae).

**Pachytroctidae (Add. 12)**

*Nanopsocus oceanicus* Pearman. Spain (I): Baz, 2003. North America (III): Mockford, 2012a (biogeography).

*Nymphotroctes denisi* Badonnel. Spain (I): Baz, 2003.

*Pachytroctes achrostus* Thornton & Woo. Galapagos (X): Peck, 2012.

*Pachytroctes aegyptius* Enderlein. North America (III): Mockford, 2012a (biogeography).

*Pachytroctes neoleonensis* Garcia Aldrete. North America (III): Mockford, 2012a (biogeography).

*Tapinella* spec. Dominican Republic (IV) in Dominican amber (A): Scheven, 2004 (photograph).

*Tapinella francesca* Thornton & Woo. Galapagos (X): Peck, 2012.

*Tapinella maculata* Mockford & Gurney. North America (III): Mockford, 2012a (biogeography).

*Tapinella olmeca* Mockford. North America (III): Mockford, 2012a (biogeography).

*Tapinella stenomedia* Thornton & Woo. Galapagos (X): Peck, 2012.

**Pachytroctidae (Add. 13)**

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

*Libanopsyllipsocus alexanderasnitzyi* 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.

#### **Pachytractidae (Add. 14)**

Checklist of species: Azar *et al.*, 2015: 338.

Libaneuphorinae Azar, Huang Diying, Cai Chenyang & Nel, 2015: 337. Type genus: *Libaneuphoris* Azar, Huang Diying, Cai Chenyang & Nel.

*Atapinella*\*\* Azar, Huang Diying, Cai Chenyang & Nel, 2015: 343. Gender: F. Type species: *Atapinella garroustei* Azar, Huang Diying, Cai Chenyang & Nel. Genus assigned to subfamily Tapinellinae.

*Atapinella garroustei*\* Azar, Huang Diying, Cai Chenyang & Nel, 2015: 343. Myanmar (VIII): Cretaceous amber (A).

*Burmipachytracta*\*\* Azar, Huang Diying, Cai Chenyang & Nel, 2015: 340. Gender: F. Type species: *Burmipachytracta singularis* Azar, Huang Diying, Cai Chenyang & Nel. Genus assigned to subfamily Tapinellinae.

*Burmipachytracta singularis*\* Azar, Huang Diying, Cai Chenyang & Nel, 2015: 340. Myanmar (VIII): Cretaceous amber (A).

*Libaneuphoris*\*\* Azar, Huang Diying, Cai Chenyang & Nel, 2015: 338. Gender: M (explicitly indicated by the authors). Type species: *Libaneuphoris jantopi* Azar, Huang Diying, Cai Chenyang & Nel. Genus assigned to the new subfamily Libaneuphorinae.

*Libaneuphoris jantopi*\* Azar, Huang Diying, Cai Chenyang & Nel, 2015: 339. Lebanon (I): Lower Cretaceous amber (A).

*Libanopsyllipsocus* Azar & Nel, 2011. This genus is considered as belonging to Psyllipsocidae by Azar *et al.* (2015: 346) without discussing the arguments presented by Mockford *et al.* (2013: 16) in favour of an assignment to Pachytractidae.

*Libanopsyllipsocus alexanderasnitzyi* Azar & Nel, 2011. Lebanon (I): Lower Cretaceous amber (A). This species is considered as belonging to Psyllipsocidae by Azar *et al.* (2015: 346) without discussing the arguments presented by Mockford *et al.* (2013: 16) in favour of an assignment to Pachytractidae.

*Tapinella* spec. Brazil (V): Silva Neto *et al.*, 2014a. Colombia (V): Sarria *et al.*, 2014a, 2014b.

#### **Pachytractidae (Add. 16)**

*Antilopsocus nadleri* Gurney. Trinidad and Tobago (IV), Brazil, Colombia (V): Garcia Aldrete *et al.*, 2016b (figs).

*Nanopsocus oceanicus* Pearman. Japan (VIII): Yoshizawa, 2016c.

#### **Pachytractidae (Add. 17)**

*Tapinella* spec. Morph.: Ogawa & Yoshizawa, 2017b (in-flight wing-coupling structure).

#### **Pachytractidae (Add. 18)**

*Antilopsocus nadleri* Gurney. Colombia (V): Garcia Aldrete *et al.*, 2018.

*Pachytractes 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.

#### **Pachytractidae (Add. 19)**

*Libanopsyllipsocus* Azar & Nel, 2011. Assignment to Pachytractidae instead of Psyllipsocidae: Wang Ruiqian *et al.*, 2019b: 2; Cretaceous amber (A) from Lebanon (I).

*Peritroctes bengalensis* Thornton & Wong. Augmented description of apterous female, first description of male, macropterous female and egg: Mockford & Young, 2019; USA (III).

#### **Pachytractidae (Add. 20)**

de Moya *et al.*, 2020 (Table 3): infraorder **Pachytractetae** de Moya *et al.*, 2020 proposed for Pachytractidae within suborder Troctomorpha.

Checklist of species recorded from Brazil (V): Silva-Neto & Garcia Aldrete, 2020.  
*Nanopsocus oceanicus* Pearman. Courtship and mating behavior: Young & Mockford, 2020.  
*Peritroctes bengalensis* Thornton & Wong. Courtship and mating behavior: Young & Mockford, 2020.  
*Tapinella* spec. Courtship and mating behavior: Young & Mockford, 2020.  
*Tapinella maculata* Mockford & Gurney. Courtship and mating behavior: Young & Mockford, 2020.

## LIPOSCOLIDIDAE (Add. 11-20)

### Liposcelididae (Add. 11)

- Embidopsocus enderleini* (Ribaga). Croatia (I): Kucerova & Kalinovic, 2010.  
*Liposcelis* spec. France (I): Perotin *et al.*, 2011 (*Liposcelis* spec. as indoor allergen). Saint Helena, Ascension Island (II): Lienhard & Ashmole, 2011. Cuba (IV): Dominguez Umpierrez & Marrero Artabe, 2010 (pest).  
*Liposcelis bostrychophila* Badonnel. Finland (I): Kanervo, 2010. Germany (I): Günther & Lienhard, 2011. Ascension Island (II): Lienhard & Ashmole, 2011. Azores (II): Baz, 2010. Saint Helena (II): Mendel *et al.*, 2008; Lienhard & Ashmole, 2011. Ethol.: Green, 2011 (reaction to repellents). Genet.: Jiang Hong-Bo *et al.*, 2011 (beta-actin gene). Parasit.: Thepparit *et al.*, 2011 (ricketsial pathogen isolated from *L. bostrychophila*). Pest: Athanassiou *et al.*, 2010d, 2011 (control); Beckett, 2011 (control); Bonjour *et al.*, 2011 (control); Kavallieratos *et al.*, 2011 (control). Techn.: Li Zhi-Hong *et al.*, 2011 (morphological and molecular identification of different geographical populations); Wei Dan-Dan *et al.*, 2011 (nucleotide sequences as useful tools for species discrimination and phylogenetic inference).  
*Liposcelis brunnea* Motschulsky. Finland (I): Kanervo, 2010.  
*Liposcelis corrodens* (Heymons). Finland (I): Kanervo, 2010. Azores (II): Baz, 2010. Pest: Opit *et al.*, 2011 (control)  
*Liposcelis decolor* (Pearman). Finland (I): Kanervo, 2010. Greece (I): Hollier *et al.*, 2011. Pest: Athanassiou *et al.*, 2010d, 2011 (control); Beckett, 2011 (control); Opit *et al.*, 2011 (control). Techn.: Wei Dan-Dan *et al.*, 2011 (nucleotide sequences as useful tools for species discrimination and phylogenetic inference).  
*Liposcelis divinatoria* (Müller). Morph.: Faucheux, 2009 (auricilliform sensilla).  
*Liposcelis entomophila* (Enderlein). Finland (I): Kanervo, 2010. Azores (II): Baz, 2010. Saint Helena (II): Mendel *et al.*, 2008; Lienhard & Ashmole, 2011. Pest: Athanassiou *et al.*, 2010d (control). Techn.: Wei Dan-Dan *et al.*, 2011 (nucleotide sequences as useful tools for species discrimination and phylogenetic inference).  
*Liposcelis paeta* Pearman. Pest: Athanassiou *et al.*, 2010d, 2011 (control); Beckett, 2011 (control); Bonjour *et al.*, 2011 (control). Techn.: Wei Dan-Dan *et al.*, 2011 (nucleotide sequences as useful tools for species discrimination and phylogenetic inference).  
*Liposcelis palatina* Roesler. Finland (I): Kanervo, 2010. Slovakia (I): Holusa & Kucerova, 2010 (in nests of *Passer montanus*).  
*Liposcelis pearmani* Lienhard. Finland (I): Kanervo, 2010. Ecol.: Aminatou *et al.*, 2011 (population dynamics).  
*Liposcelis pubescens* Broadhead. Azores (II): Baz, 2010.  
*Liposcelis silvarum* (Kolbe). Finland (I): Kanervo, 2010. Germany (I): Günther & Lienhard, 2011.  
*Liposcelis tricolor* Badonnel. Techn.: Wei Dan-Dan *et al.*, 2011 (nucleotide sequences as useful tools for species discrimination and phylogenetic inference).  
*Liposcelis yunnaniensis* Li & Li. Ecol.: Hassan *et al.*, 2011 (population dynamics). Techn.: Wei Dan-Dan *et al.*, 2011 (nucleotide sequences as useful tools for species discrimination and phylogenetic inference).  
*Troglotroctes ashmoleorum* Lienhard. Ascension Island (II): Lienhard & Ashmole, 2011 (habitus fig.).

### **Liposcelididae (Add. 12)**

- Belaphotroctes* spec. Dominican Republic (IV) in Dominican amber (A): Scheven, 2004 (photograph).
- Belaphotroctes alleni* Mockford. North America (III): Mockford, 2012a (biogeography).
- Belaphotroctes badonneli* Mockford. North America (III): Mockford, 2012a (biogeography).
- Belaphotroctes ghesquierei* Badonnel. North America (III): Mockford, 2012a (biogeography).
- Belaphotroctes hermosus* Mockford. North America (III): Mockford, 2012a (biogeography).
- Belaphotroctes simberloffii* Mockford. North America (III): Mockford, 2012a (biogeography).
- Embidopsocus* spec. Dominican Republic (IV) in Dominican amber (A): Scheven, 2004 (photograph).
- Embidopsocus bousemani* Mockford. North America (III): Mockford, 2012a (biogeography).
- Embidopsocus citrensis* Mockford. North America (III): Mockford, 2012a (biogeography).
- Embidopsocus femoralis* (Badonnel). North America (III): Mockford, 2012a (biogeography).
- Embidopsocus laticeps* Mockford. North America (III): Mockford, 2012a (biogeography).
- Embidopsocus mexicanus* Mockford. North America (III): Mockford, 2012a (biogeography).
- Embidopsocus needhami* (Enderlein). North America (III): Mockford, 2012a (biogeography).
- Embidopsocus pauliani* Badonnel. Galapagos (X): Peck, 2012.
- Embidopsocus thorntoni* Badonnel. North America (III): Mockford, 2012a (biogeography). Galapagos (X): Peck, 2012.
- Liposcelis* spec. Dominican Republic (IV) in Dominican amber (A): Poinar & Poinar, 1999.
- Liposcelis* spec. North America (III): Mockford, 2012a (biogeography). Australia (IX): Gunawardene *et al.*, 2012.
- Liposcelis aconae* Badonnel. Spain (I): Baz, 2003.
- Liposcelis bicolor* (Banks). Spain (I): Baz, 2003. North America (III): Mockford, 2012a (biogeography).
- Liposcelis bostrychophila* Badonnel. Central Europe (I): Ineichen *et al.*, 2012. Germany (I): Schneider *et al.*, 2012. Spain (I): Baz, 2003. Switzerland (I): Lienhard, 2012b. North America (III): Mockford, 2012a (biogeography). Australia (IX): Gunawardene *et al.*, 2012. Genet.: Jiang *et al.*, 2012; Wei *et al.*, 2012a, 2012b. Pest: Athanassiou *et al.*, 2012 (control); Liu Zhi Long *et al.*, 2012 (control); Opit *et al.*, 2012 (control). Techniques: Kucerova *et al.*, 2011 (morphological and molecular identification).
- Liposcelis brunnea* Motschulsky. Germany (I): Schneider *et al.*, 2012. Spain (I): Baz, 2003. Switzerland (I): Lienhard, 2012b. North America (III): Mockford, 2012a (biogeography).
- Liposcelis compacta* Lienhard. Spain (I): Baz, 2003.
- Liposcelis corrodens* (Heymons). Germany (I): Schneider *et al.*, 2012. Switzerland (I): Lienhard, 2012b. North America (III): Mockford, 2012a (biogeography).
- Liposcelis decolor* (Pearman). Germany (I): Willig, 2002; Schneider *et al.*, 2012. Spain (I): Montserrat Larrosa & Barrientos Alfageme, 1999; Baz, 2003. Switzerland (I): Lienhard, 2012b. North America (III): Mockford, 2012a (biogeography). Genet.: Dou *et al.*, 2010. Pest: Athanassiou *et al.*, 2012 (control). Morph.: Kucerova *et al.*, 2012 (fig. of eye). Pest: Opit *et al.*, 2012 (control).
- Liposcelis deltachi* Sommerman. North America (III): Mockford, 2012a (biogeography).
- Liposcelis entomophila* (Enderlein). North America (III): Mockford, 2012a (biogeography). Australia (IX): Gunawardene *et al.*, 2012. Galapagos (X): Peck, 2012. Genet.: Wei *et al.*, 2012a. Pest: Athanassiou *et al.*, 2012 (control); Opit *et al.*, 2012 (control). Techniques: Yang Qianqian *et al.*, 2012 (morphological and molecular identification; SEM micrographs).
- Liposcelis formicaria* (Hagen). North America (III): Mockford, 2012a (biogeography).
- Liposcelis fusciceps* Badonnel. North America (III): Mockford, 2012a (biogeography).
- Liposcelis hirsutoides* Mockford. North America (III): Mockford, 2012a (biogeography).
- Liposcelis keleri* Günther. Spain (I): Baz, 2003. Switzerland (I): Lienhard, 2012b.
- Liposcelis lacinia* Sommerman. North America (III): Mockford, 2012a (biogeography).
- Liposcelis mendax* Pearman. Switzerland (I): Lienhard, 2012b. North America (III): Mockford, 2012a (biogeography).
- Liposcelis meridionalis* (Rosen). Spain (I): Montserrat Larrosa & Barrientos Alfageme, 1999.

- Liposcelis myrmecophila*** Broadhead. Spain (I): Baz, 2003.
- Liposcelis nasus*** Sommerman. North America (III): Mockford, 2012a (biogeography).
- Liposcelis nigra*** (Banks). North America (III): Mockford, 2012a (biogeography).
- Liposcelis obscura*** Broadhead. North America (III): Mockford, 2012a (biogeography).
- Liposcelis ornata*** Mockford. North America (III): Mockford, 2012a (biogeography).
- Liposcelis paeta*** Pearman. North America (III): Mockford, 2012a (biogeography). Pest: Athanassiou *et al.*, 2012 (control); Opit *et al.*, 2012 (control); Wang *et al.*, 2012 (control).
- Liposcelis palatina*** Roesler. Finland (I): Kanervo, 2011; Silfverberg, 2012. Germany (I): Schneider *et al.*, 2012. Switzerland (I): Lienhard, 2012b.
- Liposcelis pallens*** Badonnel. North America (III): Mockford, 2012a (biogeography).
- Liposcelis pallida*** Mockford. North America (III): Mockford, 2012a (biogeography).
- Liposcelis pearmani*** Lienhard. North America (III): Mockford, 2012a (biogeography).
- Liposcelis prenolepidis*** (Enderlein). North America (III): Mockford, 2012a (biogeography).
- Liposcelis pubescens*** Broadhead. Switzerland (I): Lienhard, 2012b.
- Liposcelis rufa*** Broadhead. Spain (I): Baz, 2003. Switzerland (I): Lienhard, 2012b. North America (III): Mockford, 2012 (biogeography). Biol.: Gautam *et al.*, 2012 (temperature-dependent development).
- Liposcelis semicaeca*** Lienhard. Spain (I): Baz, 2003.
- Liposcelis silvarum*** (Kolbe). Croatia (I): Kucerova *et al.*, 2012. France (I): Kucerova *et al.*, 2012. Germany (I): Willig, 2002; Schneider *et al.*, 2012. Spain (I): Baz, 2003. Switzerland (I): Kucerova *et al.*, 2012; Lienhard, 2012b. North America (III): Mockford, 2012a (biogeography). Morph.: Kucerova *et al.*, 2012 (general, aberrant eye, egg).
- Liposcelis triocellata*** Mockford. North America (III): Mockford, 2012a (biogeography).
- Liposcelis uxoris*** Lienhard. Spain (I): Baz, 2003.
- Liposcelis villosa*** Mockford. North America (III): Mockford, 2012a (biogeography).

### **Liposcelididae (Add. 13)**

- Smith *et al.*, 2011: Phylogeny of lice, oldest fossil of Liposcelididae used for node calibration.
- Belaphotroctes ghesquierei*** 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 corrodens*** (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.

#### **Liposcelididae (Add. 14)**

- Liposcelididae gen. spec. Australia (Barrow Island) (IX): Gunawardene *et al.*, 2012.  
*Belaphotroctes* spec. Colombia (V): Sarria *et al.*, 2014a, 2014b.  
*Embidopsocus* spec. Morph.: Friedemann *et al.*, 2014 (attachment structures); Wipfler & Pass, 2014 (antennal heart).  
*Liposcelis* spec. Germany (I): Büchs, 1988 (ecol.); Blick & Dorow, 2014a. Colombia (V): Sarria *et al.*, 2014a. Australia (Barrow Island) (IX): Gunawardene *et al.*, 2012. Morph.: Friedemann *et al.*, 2014 (attachment structures).  
*Liposcelis badia* Wang Zi-Ying, Wang Jin-Jun & Lienhard, 2006. Biol.: Nayak *et al.*, 2014 (life history).  
*Liposcelis bostrychophila* Badonnel. Australia (Barrow Island) (IX): Gunawardene *et al.*, 2012. Biol.: Nayak *et al.*, 2014 (life history). Ecol.: Throne & Flinn, 2013 (temperature preference); Athanassiou *et al.*, 2014b (*L. bostrychophila* outcompetes other stored-product psocid species tested). Genet.: Chen Shi-Chun *et al.*, 2014a, 2014b (mitochondrial genome); Misof *et al.*, 2014 (de novo transcriptome, see Table S1). Morph.: Kucerova *et al.*, 2014 (SEM micrographs). Pest: Athanassiou *et al.*, 2014a (control); Diaz-Montano *et al.*, 2014 (brewer's yeast best attractant for *L. bostrychophila*); Liu Xin Chao *et al.*, 2014 (control); Wang Ke-Xia *et al.*, 2014 (in medicinal herbs).  
*Liposcelis brunnea* Motschulsky. Biol.: Nayak *et al.*, 2014 (life history). Morph.: Kucerova *et al.*, 2014 (SEM micrographs).  
*Liposcelis corrodens* (Heymons). Morph.: Kucerova *et al.*, 2014 (SEM micrographs).  
*Liposcelis decolor* (Pearman). Ecol.: Athanassiou *et al.*, 2014b (*L. bostrychophila* outcompetes *L. decolor* in stored products). Biol.: Nayak *et al.*, 2014 (life history). Genet.: Chen Shi-Chun *et al.*, 2014a, 2014b (mitochondrial genome). Morph.: Kucerova *et al.*, 2014 (SEM micrographs).  
*Liposcelis entomophila* (Enderlein). Australia (Barrow Island) (IX): Gunawardene *et al.*, 2012. Biol.: Nayak *et al.*, 2014 (life history). Ecol.: Throne & Flinn, 2013 (temperature preference). Genet.: Chen Shi-Chun *et al.*, 2014b (mitochondrial genome). Morph.: Kucerova *et al.*, 2014 (SEM micrographs). Pest: Athanassiou *et al.*, 2014a (control).  
*Liposcelis paeta* Pearman. Pakistan (VIII): Wakil & Yasin, 2013 (in stored wheat); Kucerova *et al.*, 2014 (morphology, SEM micrographs, variation of surface sculpture, phylogeny of geographic strains). Biol.: Nayak *et al.*, 2014 (life history). Ecol.: Throne & Flinn, 2013 (temperature preference); Athanassiou *et al.*, 2014b (*L. bostrychophila* outcompetes *L. paeta* in stored products). Genet.: Chen Shi-Chun *et al.*, 2014b (mitochondrial genome). Pest: Athanassiou *et al.*, 2014a (control).  
*Liposcelis pearmani* Lienhard. Biol.: Nayak *et al.*, 2014 (life history).  
*Liposcelis pubescens* Broadhead. Morph.: Kucerova *et al.*, 2014 (SEM micrographs).  
*Liposcelis rufa* Broadhead. Biol.: Nayak *et al.*, 2014 (life history).  
*Liposcelis silvarum* (Kolbe). Morph.: Kucerova *et al.*, 2014 (SEM micrographs).  
*Liposcelis tricolor* Badonnel. Biol.: Nayak *et al.*, 2014 (life history). Morph.: Kucerova *et al.*, 2014 (SEM micrographs).  
*Liposcelis yunnaniensis* Li Fasheng & Li Zhihong. Biol.: Nayak *et al.*, 2014 (life history).

#### **Liposcelididae (Add. 15)**

- Belaphopsocus groehni*\* Mockford, 2015: 208. Costa Rica (IV), Early Miocene amber (A).  
*Liposcelis bostrychophila* Badonnel. Iran (I): Jarayani *et al.*, 2014; Gol *et al.*, 2015. Malta (I): Lienhard & Mifsud, 2015. Turkey (I): Bagci *et al.*, 2014 (pest in grain warehouses). USA: Arizona (III): Yang Qianqian *et al.*, 2015 (sexually reproducing colony). Biol.: Gillespie *et al.*

*al.*, 2015 (*Rickettsia felis* as an obligate mutualist); Li, Y.-Y. *et al.*, 2015 (*Wolbachia* as bacterial symbiont); Yang Qianqian *et al.*, 2015 and Perlman *et al.*, 2015 (sexually reproducing colony; *Rickettsia* present in parthenogenetic individuals; sex ratio distortion). Pest: Arif *et al.*, 2015 (molecular discrimination); Athanassiou *et al.*, 2015 (control); Li Heng Yu *et al.*, 2015 (control); Liu Xin Chao & Liu Zhi Long 2015 (control).

***Liposcelis brunnea*** Motschulsky. Pest: Arif *et al.*, 2015 (molecular discrimination); Diaz-Montano *et al.*, 2015 (monitoring).

***Liposcelis compacta*** Lienhard. Malta (I): Lienhard & Mifsud, 2015.

***Liposcelis corrodens*** (Heymons). Iran (I): Gol *et al.*, 2015. Pest: Arif *et al.*, 2015; Diaz-Montano *et al.*, 2015 (monitoring).

***Liposcelis decolor*** (Pearman). Iran (I): Gol *et al.*, 2015. Malta (I): Lienhard & Mifsud, 2015. Pest: Arif *et al.*, 2015 (molecular discrimination); Athanassiou *et al.*, 2015 (control); Diaz-Montano *et al.*, 2015 (monitoring).

***Liposcelis divinatoria*** (Müller). Greenland (I): Svensson, 2015. Iran (I): Gol *et al.*, 2015.

***Liposcelis entomophila*** (Enderlein). Pest: Arif *et al.*, 2015; Athanassiou *et al.*, 2015 (control); Diaz-Montano *et al.*, 2015 (monitoring).

***Liposcelis fusciceps*** Badonnel. Pest: Arif *et al.*, 2015.

***Liposcelis keleri*** Günther. Iran (I): Gol *et al.*, 2015.

***Liposcelis obscura*** Broadhead. Pest: Arif *et al.*, 2015 (molecular discrimination).

***Liposcelis paeta*** Pearman. Iran (I): Jarayani *et al.*, 2014. Pest: Arif *et al.*, 2015; Athanassiou *et al.*, 2015 (control); Diaz-Montano *et al.*, 2015 (monitoring).

***Liposcelis pearmani*** Lienhard. Malta (I): Lienhard & Mifsud, 2015. Pest: Arif *et al.*, 2015 (molecular discrimination).

***Liposcelis rufa*** Broadhead. Pest: Arif *et al.*, 2015.

### **Liposcelididae (Add. 16)**

Checklist of fossil Liposcelididae: Engel, 2016.

Evolution of Liposcelididae (mitochondrial genome): Shi Yan *et al.*, 2016.

***Embidopsocus frater*** Badonnel. Germany (I): Schmidt, 2015 (in greenhouse, figs).

***Embidopsocus pankowskiorum***\* Engel, 2016: 4. Eocene Baltic amber, Russia (I) (A).

***Liposcelis*** spec. Pest: Clemmons & Taylor, 2016 (in laboratory animal facilities).

***Liposcelis arenicola*** Günther. Germany (I): Schmidt, 2015.

***Liposcelis bostrychophila*** Badonnel. Germany (I): Schmidt, 2015. Romania (I): Moldovan *et al.*, 2007. Japan (VIII): Yoshizawa, 2016c. Biol.: Dou Wei *et al.*, 2015 (diet); Green & Farman, 2015 (nutrition); Vershinina & Kuznetsova, 2016 (parthenogenesis). Evol.: Shi Yan *et al.*, 2016 (mitochondrial genome). Parasit.: Verhoeve *et al.*, 2016 (*Rickettsia felis*). Pest: Chen Hai-Ping *et al.*, 2015 (control); Guo Shan-Shan *et al.*, 2015, 2016 (control); Wu Yan *et al.*, 2015 (control); Yang Kai *et al.*, 2015a, 2015b (control); You Chun Xue *et al.*, 2015 (control); Cheng Jing *et al.*, 2016 (control); Diaz-Montano *et al.*, 2016 (monitoring); Ishibashi *et al.*, 2016 (allergenic protein isolated); Liang Jun-yu *et al.*, 2016 (control); Liu Xin Chao *et al.*, 2016 (control); Wang Yinan *et al.*, 2016 (genetics); Zhao Mei Ping *et al.*, 2016 (control); Zhao Zi-Hua *et al.*, 2016 (molecular identification).

***Liposcelis brunnea*** Motschulsky. Germany (I): Schmidt, 2015. Pest: Zhao Zi-Hua *et al.*, 2016 (molecular identification).

***Liposcelis corrodens*** (Heymons). Germany (I): Schmidt, 2015. Japan (VIII): Yoshizawa, 2016c. Pest: Zhao Zi-Hua *et al.*, 2016 (molecular identification).

***Liposcelis decolor*** (Pearman). Romania (I): Moldovan *et al.*, 2007. Japan (VIII): Yoshizawa, 2016c. Evol.: Shi Yan *et al.*, 2016 (mitochondrial genome). Pest: Zhao Zi-Hua *et al.*, 2016 (molecular identification).

***Liposcelis entomophila*** (Enderlein). Japan (VIII): Yoshizawa, 2016c. Evol.: Shi Yan *et al.*, 2016 (mitochondrial genome). Pest: Zhao Zi-Hua *et al.*, 2016 (molecular identification). Phys.: Li Ting *et al.*, 2016 (gene expression).

***Liposcelis formicaria*** (Hagen). Germany (I): Schmidt, 2015. Romania (I): Moldovan *et al.*, 2007.

***Liposcelis fusciceps*** Badonnel. Biol.: Gautam *et al.*, 2016 (population dynamics)

***Liposcelis mendax*** Pearman. Pest: Zhao Zi-Hua *et al.*, 2016 (molecular identification).

- Liposcelis meridionalis* (Rosen). Romania (I): Moldovan *et al.*, 2007.  
*Liposcelis orghidani* Badonnel. Romania (I): Moldovan *et al.*, 2007.  
*Liposcelis paeta* Pearman. Evol.: Shi Yan *et al.*, 2016 (mitochondrial genome). Pest: Zhao Zi-Hua *et al.*, 2016 (molecular identification).  
*Liposcelis pearmani* Lienhard. Germany (I): Schmidt, 2015. Japan (VIII): Yoshizawa, 2016c. Pest: Zhao Zi-Hua *et al.*, 2016 (molecular identification).  
*Liposcelis picta* Ball. Malta (I): Lienhard & Mifsud, 2016.  
*Liposcelis priesneri* Enderlein. Albania (I): Lock, 2015.  
*Liposcelis rufa* Broadhead. Pest: Zhao Zi-Hua *et al.*, 2016 (molecular identification).  
*Liposcelis sculptilimacula* Li Zhihong & Li Fasheng. Mitochondrial genome: Shi Yan *et al.*, 2016 (Misspelled *Liposcelis sculptilis*; see Lienhard, 2003d: 700).  
*Liposcelis silvarum* (Kolbe). Germany (I): Schmidt, 2015. Romania (I): Moldovan *et al.*, 2007.  
*Liposcelis tricolor* Badonnel. Pest: Zhao Zi-Hua *et al.*, 2016 (molecular identification).

### **Liposcelididae (Add. 17)**

- Embidopsocus* spec. Morph.: Ogawa & Yoshizawa, 2017b (in-flight wing-coupling structure).  
*Liposcelis* spec. Iran (I): Kahrarian, 2017. Romania (I): Chiriliuc & Andriescu, 2016 (collected from dry hibernating stems by "Schmitz" photo selector). Genet.: Beukeboom, 2017 (commentary to Hodson *et al.*, 2017); Hodson *et al.*, 2017 (sex determination).  
*Liposcelis arenicola* Günther. Greece (I): Georgiev, 2017c.  
*Liposcelis bostrychophila* Badonnel. Bulgaria (I): Georgiev, 2017d. Greece (I): Georgiev, 2017c. Anat.: Polilov, 2016 (adult and first instar nymph); Makarova & Polilov, 2017 (brain structure, also in nymphs). Biol.: Healy *et al.*, 2017 (*Rickettsia felis* as a symbiont); Ma & Schwander, 2017 (parthenogenesis believed to be endosymbiont-induced by *Rickettsia*). Genet.: Liu Xiaochen *et al.*, 2017 (mitochondrial genome); Sun En-Tao *et al.*, 2017 (genetic diversity in China) (VIII). Pest: Arthur *et al.*, 2017 (control by freezing); Guo Shan-Shan *et al.*, 2017a, 2017b (control); Ishibashi *et al.*, 2017 (respiratory allergy); Li Heng Yu *et al.*, 2017 (control); Liu Li-Jun *et al.*, 2017 (molecular identification).  
*Liposcelis brunnea* Motschulsky. Liu Li-Jun *et al.*, 2017 (molecular identification).  
*Liposcelis corrodens* (Heymons). Bulgaria (I): Georgiev, 2017e. Iran (I): Kahrarian, 2017. Pest: Liu Li-Jun *et al.*, 2017 (molecular identification).  
*Liposcelis decolor* (Pearman). Bulgaria (I): Georgiev, 2017e. Greece (I): Georgiev, 2017c. Iran (I): Kahrarian, 2017. Genet.: Liu Xiaochen *et al.*, 2017 (mitochondrial genome). Pest: Arthur *et al.*, 2017 (control by freezing); Liu Li-Jun *et al.*, 2017 (molecular identification).  
*Liposcelis divinatoria* (Müller). Korea (VIII): Soysouvanh *et al.*, 2017.  
*Liposcelis edaphica* Lienhard. Iran (I): Kahrarian, 2017.  
*Liposcelis entomophila* (Enderlein). Korea (VIII): Soysouvanh *et al.*, 2017. Genet.: Liu Xiaochen *et al.*, 2017 (mitochondrial genome). Pest: Arthur *et al.*, 2017 (control by freezing); Jing Tian-Xing *et al.*, 2017 (sensitivity to insecticides); Liu Li-Jun *et al.*, 2017 (molecular identification).  
*Liposcelis formicaria* (Hagen). Bulgaria (I): Georgiev, 2017d.  
*Liposcelis keleri* Günther. Iran (I): Kahrarian, 2017.  
*Liposcelis kyrosensis* Badonnel. Greece (I): Georgiev, 2017c.  
*Liposcelis mendax* Pearman. Pest: Liu Li-Jun *et al.*, 2017 (molecular identification).  
*Liposcelis meridionalis* (Rosen). Bulgaria (I): Georgiev, 2017a.  
*Liposcelis paeta* Pearman. Genet.: Liu Xiaochen *et al.*, 2017 (mitochondrial genome). Pest: Arthur *et al.*, 2017 (control by freezing); Liu Li-Jun *et al.*, 2017 (molecular identification).  
*Liposcelis pearmani* Lienhard. Bulgaria (I): Georgiev, 2017b. Greece (I): Georgiev, 2017c. Pest: Liu Li-Jun *et al.*, 2017 (molecular identification).  
*Liposcelis priesneri* Enderlein. Bulgaria (I): Georgiev, 2017b. Iran (I): Kahrarian, 2017.  
*Liposcelis rufa* Broadhead. Bulgaria (I): Georgiev, 2017d. Pest: Liu Li-Jun *et al.*, 2017 (molecular identification).  
*Liposcelis sculptilimacula* Li Zhihong & Li Fasheng. Genet.: Liu Xiaochen *et al.*, 2017 (Misspelled *Liposcelis sculptilis*; see Lienhard, 2003d: 700 and Lienhard, 2017: 6) (mitochondrial genome).

*Liposcelis silvarum* (Kolbe). Iran (I): Kahrarian, 2017.

*Liposcelis tricolor* Badonnel. Greece (I): Georgiev, 2017c. Pest: Liu Li-Jun *et al.*, 2017 (molecular identification).

#### **Liposcelididae (Add. 18)**

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 stigmaphophysis); 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.

#### **Liposcelididae (Add. 19)**

Canada (III): Anonby, 2019 (6 species of Liposcelididae known from Canada, not listed).

*Embidopsocus* spec. Genet.: Brandt *et al.*, 2019.

*Liposcelis* spec. Bulgaria (I): Georgiev, 2019 (nymph, in ant's nest). Malaysia (VIII): Moseley *et al.*, 2012 (cave fauna). Ecol.: Soares *et al.*, 2019 (in poultry litter). Genet.: Hodson & Perlman, 2019 (sex ratio).

- Liposcelis arenicola* Günther. Greece (I): Georgiev & Ivanova, 2019b.
- Liposcelis badia* Wang Zi-Ying, Wang Jin-Jun & Lienhard, 2006. Phys.: Stejskal *et al.*, 2019 (minimal thermal requirements in stored products).
- Liposcelis bostrychophila* Badonnel. Bulgaria (I): Georgiev, 2018b. Greece (I): Georgiev & Ivanova, 2019a. Biol.: Yamada *et al.*, 2019 (predation on eggs of mosquitoes). Evol.: Feng Shiqian *et al.*, 2018c (mitochondrial genome, cryptic species); Song Fan *et al.*, 2019 (mitochondrial genome data used for analysis of Psocodea phylogeny). Genet.: Brandt *et al.*, 2019 (parthenogenesis). Pest: Wei Dan Dan *et al.*, 2018 (metabolic resistance); Wang Yang *et al.*, 2019 (control). Athanassiou *et al.*, 2019 (control); Ben Bnina *et al.*, 2019 (control); Chen Zhenyang *et al.*, 2019 (control). Phys.: Stejskal *et al.*, 2019 (minimal thermal requirements in stored products).
- Liposcelis brunnea* Motschulsky. Genet.: Feng Shiqian *et al.*, 2019 (mitochondrial genome fragmentation pattern).
- Liposcelis decolor* (Pearman). Bulgaria (I): Georgiev, 2018b. Greece (I): Georgiev & Ivanova, 2019a, 2019b. Pest: Wei Dan Dan *et al.*, 2018 (metabolic resistance); Athanassiou *et al.*, 2019 (control). Phys.: Stejskal *et al.*, 2019 (minimal thermal requirements in stored products).
- Liposcelis divinatoria* (Müller). Armenia (I): Golub, 2019.
- Liposcelis entomophila* (Enderlein). Sri Lanka (VIII): Cui Jixiang *et al.*, 2019. Biol.: Zhang Zhenjun *et al.*, 2018 (circadian rhythm); China (VIII). Pest: Wei Dan Dan *et al.*, 2018 (metabolic resistance); Athanassiou *et al.*, 2019 (control). Phys.: Stejskal *et al.*, 2019 (minimal thermal requirements in stored products).
- Liposcelis meridionalis* (Rosen). Armenia (I): Golub, 2019.
- Liposcelis obscura* Broadhead. Biol.: Opit *et al.*, 2018 (temperature- and humidity-dependent development); USA (III).
- Liposcelis paeta* Pearman. Biol.: Zhang Zhenjun *et al.*, 2018 (circadian rhythm); China (VIII). Pest: Athanassiou *et al.*, 2019 (control). Phys.: Stejskal *et al.*, 2019 (minimal thermal requirements in stored products).
- Liposcelis palatina* Roesler. Belgium (I): Lock, 2019a.
- Liposcelis pearmani* Lienhard. Greece (I): Georgiev & Ivanova, 2019a, 2019b.
- Liposcelis priesneri* Enderlein. Greece (I): Georgiev & Ivanova, 2019b.
- Liposcelis silvarum* (Kolbe). Armenia (I): Golub, 2019. Bulgaria (I): Georgiev, 2019.
- Liposcelis tricolor* Badonnel. Pest: Wei Dan Dan *et al.*, 2018 (metabolic resistance). Phys.: Stejskal *et al.*, 2019 (minimal thermal requirements in stored products).
- Liposcelis yunnaniensis* Li Fasheng & Li Zhihong. Phys.: Stejskal *et al.*, 2019 (minimal thermal requirements in stored products).

### **Liposcelididae (Add. 20)**

- de Moya *et al.*, 2020 (Table 3): infraorder **Liposcelidetae** Smithers, 1972 proposed for Liposcelididae within suborder Troctomorpha.
- Checklist of species recorded from Brazil (V): Silva-Neto & Garcia Aldrete, 2020.
- Belaphopsocus dominicus* Grimaldi & Engel, 2006. Mid-Miocene Dominican Amber (A) (IV): Hakim *et al.*, 2019c.
- Liposcelis aleksandrowiczi*\* Georgiev, Ostrovsky & Lienhard, 2020: 42 (in discussion species name misspelled *alexandrowiczi*). Belarus (I).
- Liposcelis bostrychophila* Badonnel. Belarus (I): Ostrovsky & Georgiev, 2020 (in ant's nest). Bulgaria (I): Georgiev, 2020b, 2020c. Greece (I): Georgiev, 2020a. Senegal (VI): Parola *et al.*, 2015; Georgiev *et al.*, 2020 (sexual strain). China (VIII): Li Mengnan *et al.*, 2020 (phylogeny; pest in herbal medicines). Japan (VIII): Yoshinami *et al.*, 2020 (household pest). Philippines (VIII): Mangoba & Alvindia, 2020 (pest in stored products). Pest: Parola *et al.*, 2015 (possible transmission by *Liposcelis bostrychophila* of human infection by *Rickettsia felis*); Bai Chunqi *et al.*, 2020 (control); Gallant-Swofford *et al.*, 2020 (allergen causing anaphylaxis); Li Mengnan *et al.*, 2020 (in herbal medicines); Mangoba & Alvindia, 2020 (phosphine resistance); Pang Xue *et al.*, 2020 (control); Qi Xiao-Jie *et al.*, 2020 (control); Yoshinami *et al.*, 2020 (fungal feeding preferences). Phys.: Wei Dan-Dan *et al.*,

2020 (insecticide detoxification).

- Liposcelis corrodens* (Heymons). Belarus (I): Ostrovsky & Georgiev, 2020 (in ant's nest). Bulgaria (I): Georgiev, 2020b, 2020c. China (VIII): Cui Jixiang *et al.*, 2020.
- Liposcelis decolor* (Pearman). Belarus (I): Ostrovsky & Georgiev, 2020 (in ant's nest). Bulgaria (I): Georgiev, 2020b, 2020c. Greece (I): Georgiev, 2020a.
- Liposcelis entomophila* (Enderlein). China (VIII): Li Mengnan *et al.*, 2020 (phylogeny; pest in herbal medicines). Pest: Bai Chunqi *et al.*, 2020 (control); Lu Yujie *et al.*, 2020 (control).
- Liposcelis formicaria* (Hagen). Bulgaria (I): Georgiev, 2020c.
- Liposcelis meridionalis* (Rosen). Bulgaria (I): Georgiev, 2020c.
- Liposcelis paeta* Pearman. Pest: Saeed *et al.*, 2020 (control).
- Liposcelis pearmani* Lienhard. Belarus (I): Ostrovsky & Georgiev, 2020. Bulgaria (I): Georgiev, 2020b, 2020c. China (VIII): Li Mengnan *et al.*, 2020 (phylogeny; pest in herbal medicines).
- Liposcelis priesneri* Enderlein. Bulgaria (I): Georgiev, 2020b, 2020c. Greece (I): Georgiev, 2020a.
- Liposcelis rufa* Broadhead. Bulgaria (I): Georgiev, 2020c. China (VIII): Li Mengnan *et al.*, 2020 (phylogeny; pest in herbal medicines).
- Liposcelis silvarum* (Kolbe). Bulgaria (I): Georgiev, 2020b, 2020c.
- Liposcelis tricolor* Badonnel. China (VIII): Li Mengnan *et al.*, 2020 (phylogeny; pest in herbal medicines).

## AMPHIENTOMETAE (Add. 11-20)

### Amphientometae (Add. 11)

- Libanomphientomum*\*\* Choufani, Azar & Nel, 2011: 150. Gender: N. Type species: *Libanomphientomum nudum* Choufani, Azar & Nel. Incertae sedis within Amphientometae.
- Libanomphientomum nudum*\* Choufani, Azar & Nel, 2011: 151 (as *L. nudus*). Amber (Cretaceous) (A): Lebanon (I).

### Amphientometae (Add. 13)

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

#### Amphientomoidea

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

### Amphientometae (Add. 14)

- Scocompus*\*\* Azar, Nel & Perrichot, 2014: 12. Gender: M. Type species: *Scocompus atelisuus* Azar, Nel & Perrichot. Incertae sedis within Amphientometae, i.e. not assigned to a family.
- Scocompus atelisuus*\* Azar, Nel & Perrichot, 2014: 12. France (I), Late Cretaceous Vendean amber (A).

## ELECTRENTOMIDAE / MANICAPSOCIDAE (Add. 11-20)

### **Electrentomidae (Add. 13)**

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 tuxtlarum* 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).

### **Electrentomidae (Add. 16)**

Family concept and phylogeny discussed; synonymy with Manicapsocidae accepted: Yoshizawa, 2016d.

*Manicapsocus alettae* Smithers. Kenya (VI): Yoshizawa, 2016d (first description of male).

### **Manicapsocidae (Add. 16)**

Family concept discussed; Manicapsocidae not considered as synonym of Electrentomidae but as a family of its own: Azar *et al.*, 2016b.

*Palaeomanicapsocus*\*\* Azar, Hakim, Huang Diying, Cai Chenyang & Nel, 2016: 9. Gender: M. Type species: *Palaeomanicapsocus margoae* Azar, Hakim, Huang Diying, Cai Chenyang & Nel.

*Palaeomanicapsocus fouadi*\* Azar, Hakim, Huang Diying, Cai Chenyang & Nel, 2016: 9. Myanmar (VIII), in Cretaceous amber (A).

*Palaeomanicapsocus margoae*\* Azar, Hakim, Huang Diying, Cai Chenyang & Nel, 2016: 9. Myanmar (VIII), in Cretaceous amber (A).

### **Electrentomidae (Add. 17)**

*Manicapsocus alettae* Smithers. Morph.: Ogawa & Yoshizawa, 2017b (in-flight wing-coupling structure).

### **Electrentomidae (Add. 18)**

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

*Manicapsocus alettae* Smithers. Morph.: Ogawa & Yoshizawa, 2018a (structure of stigmaphysis); Kenya (VI).

### **Manicapsocidae (Add. 19)**

Comparative table of fossil manicapsocid genera: Hakim *et al.*, 2019b.

*Azarpsocus*\*\* Maheu & Nel, 2019: 2. Gender: M. Type species: *Azarpsocus perreai* Maheu & Nel, 2019.

*Azarpsocus perreai*\* Maheu & Nel, 2019: 2. Myanmar (VIII), in mid-Cretaceous amber (A).

*Paramanicapsocus*\*\* Hakim, Azar & Huang Diying 2019: 2. Gender: M. Type species: *Paramanicapsocus longiantennatus* Hakim, Azar & Huang Diying.

*Paramanicapsocus longiantennatus*\* Hakim, Azar & Huang Diying 2019: 2. Myanmar (VIII), in mid-Cretaceous amber (A).

## **PROTROCTOPSOCIDAE (Add. 11-20)**

### **Protoctopsocidae (Add. 12)**

*Protoctopsocus enigmaticus* Mockford. North America (III): Mockford, 2012a (biogeography).

## **TROCTOPSOCIDAE (Add. 11-20)**

### **Troctopsocidae (Add. 12)**

*Troctopsocopsis* spec. Dominican Republic (IV) in Dominican amber (A): Scheven, 2004 (photograph).

### **Troctopsocidae (Add. 13)**

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

### **Troctopsocidae (Add. 14)**

Family diagnosis and key to genera: Mockford & Garcia Aldrete, 2014: 160.

*Troctopsocoides*\*\* Mockford & Garcia Aldrete, 2014: 160. Gender: M. Type species: *Troctopsocoides erwini* Mockford & Garcia Aldrete.

*Troctopsocoides erwini*\* Mockford & Garcia Aldrete, 2014: 160. Peru (V).

*Troctopsocoides gracilis*\* Mockford & Garcia Aldrete, 2014: 163. Amber (A) from the Dominican Republic (IV).

### **Troctopsocidae (Add. 17)**

Troctopsocidae gen. spec. Morph.: Ogawa & Yoshizawa, 2017b (in-flight wing-coupling structure).

*Selenopsocus* spec. Morph.: Ogawa & Yoshizawa, 2017b (in-flight wing-coupling structure).

### **Troctopsocidae (Add. 18)**

Troctopsocidae gen. spec. Morph.: Ogawa & Yoshizawa, 2018a (structure of stigmapophysis); Thailand (VIII).

*Selenopsocus* spec. Morph.: Ogawa & Yoshizawa, 2018a (structure of stigmapophysis); Thailand (VIII).

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

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

### **Troctopsocidae (Add. 20)**

Checklist of species recorded from Brazil (V): Silva-Neto & Garcia Aldrete, 2020.

Troctopsocidae nymph. Russia (I), Baltic amber (A): Poinar & Vega, 2020 (entomopathogenic fungus).

*Troctopsocopsis* spec. Dominican Republic (IV), Dominican amber (A): Poinar & Vega, 2020 (entomopathogenic fungus).

## **MUSAPSOCIDAE (Add. 11-20)**

### **Musapsocidae (Add. 13)**

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

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

### **Musapsocidae (Add. 17)**

*Musapsocus* spec. Morph.: Ogawa & Yoshizawa, 2017b (in-flight wing-coupling structure).

### **Musapsocidae (Add. 18)**

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

### **Musapsocidae (Add. 20)**

Checklist of species recorded from Brazil (V): Silva-Neto & Garcia Aldrete, 2020.

## COMPSOCIDAE (Add. 11-20)

### Compsocidae (Add. 11)

*Compsocus elegans* Banks. Colombia (V): Sarria, 2011.

### Compsocidae (Add. 12)

Compsocidae gen. spec. Dominican Republic (IV) in Dominican amber (A): Scheven, 2004 (misspelled Compsopsocidae; photograph).

### Compsocidae (Add. 13)

*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.

### Compsocidae (Add. 14)

*Compsocus elegans* Banks. Colombia (V): Sarria *et al.*, 2014a, 2014b.

### Compsocidae (Add. 16)

Key to genera: Azar *et al.*, 2016a: 32.

*Paraelectrentomopsis*\*\* Azar, Hakim & Huang Diying, 2016: 29. Gender: F. Type species: *Paraelectrentomopsis chenyangcai* Azar, Hakim & Huang Diying.

*Paraelectrentomopsis chenyangcai*\* Azar, Hakim & Huang Diying, 2016: 30. Myanmar (VIII), in Cretaceous amber (A).

### Compsocidae (Add. 17)

*Burmacompsocus coniugans*\* Sroka & Nel, 2017: 598. Myanmar (VIII), Cretaceous Burmese amber (A).

### Compsocidae (Add. 18)

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

### Compsocidae (Add. 20)

*Burmacompsocus pouilloni*\* Ngo-Muller, Garrouste & Nel, 2020: 5. Myanmar (VIII), mid-Cretaceous amber (A).

## AMPHIENTOMIDAE (Add. 11-20)

### Amphientomidae (Add. 11)

Key to Western Palaearctic amphientomids: Lienhard & Baz: 463.

*Lithoseopsis* spec. Dominica (IV): Garcia Aldrete, 2011a.

*Marcenendius* Navas. Revised diagnosis: Lienhard & Baz, 2011: 453.

*Marcenendius angolensis* (Badonnel). Lienhard & Baz, 2011: 453, 454 (**from** *Nephax*).

*Marcenendius fortunatus* (Navas). Lienhard & Baz, 2011: 453, 459 (**from** *Nephax*). Canary Islands, Cape Verde Islands (II). NOTE: Fig. 6b of Lienhard & Baz (2011) shows pronotal corcscrew hairs of nymph and not of female as erroneously indicated in the legend.

*Marcenendius nostras* Navas. Redescription: Lienhard & Baz, 2011: 454. Spain (I).

*Marcenendius illustris* Navas. **Synonymy**: Lienhard & Baz, 2011: 454.

*Nephax* Pearman. Revised diagnosis: Lienhard & Baz, 2011: 462.

*Nephax postalatus* Lienhard, 2009. United Arab Emirates (UAE) (I): Lienhard & Baz, 2011.

*Nephax sofadanus* Pearman. Croatia, Cyprus, Greece, Israel (I): Lienhard & Baz, 2011.

*Seopsis nepalensis* New. Lienhard & Baz, 2011: 462 (**from** *Nephax*).

### **Amphientomidae (Add. 12)**

Amphientomidae gen. spec. Australia (IX): Gunawardene *et al.*, 2012.

*Amphientomum paradoxum* Pictet. Baltic amber (I) (A): Scheven, 2004 (photograph).

*Lithoseopsis* spec. Dominican Republic (IV) in Dominican amber (A): Poinar & Poinar, 1999; Scheven, 2004 (photograph).

*Lithoseopsis hellmani* (Mockford & Gurney). North America (III): Mockford, 2012a (biogeography).

*Lithoseopsis hystrix* (Mockford). North America (III): Mockford, 2012a (biogeography).

*Stimulopalpus japonicus* Enderlein. North America (III): Mockford, 2012a (biogeography).

*Syllysis* spec. North America (III): Mockford, 2012a (biogeography).

### **Amphientomidae (Add. 13)**

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.

### **Amphientomidae (Add. 14)**

Key to genera: Taylor, 2013: 250.

Amphientomidae gen. spec. Australia (Barrow Island) (IX): Gunawardene *et al.*, 2012.

*Lithoseopsis* Mockford. Description, list of species: Taylor, 2013.

*Lithoseopsis* spec. Fig.: Lopez, 2015 (habitus photograph).

*Lithoseopsis humphreysi* (New). Description of male: Taylor, 2013: 246 (**from** *Seopsis*) (the unavailable name *Newseopsides smithersi* is used on pages 247, 248 and 250); Australia (IX).

*Lithoseopsis incisa* (Smithers). Taylor, 2013: 245 (**from** *Seopsis*).

*Newseopsides smithersi*. These unavailable names are inadvertently used by Taylor (2013: pp. 247, 248, 250) for *Lithoseopsis humphreysi* (New).

*Seopsocus* spec. Brazil (V): Silva Neto *et al.*, 2014a. Colombia (V): Sarria *et al.*, 2014a, 2014b.

### **Amphientomidae (Add. 16)**

*Paramphientomum yumyum* Enderlein. Japan (VIII): Yoshizawa, 2016c.

*Stimulopalpus japonicus* Enderlein. Japan (VIII): Yoshizawa, 2016c.

### **Amphientomidae (Add. 17)**

*Ancylopsocus macrurus* Li Fasheng. Korea (VIII): Soysouvanh *et al.*, 2017 (misspelled as *Ancylentomus macrourus*).

*Stimulopalpus japonicus* Enderlein. Morph.: Ogawa & Yoshizawa, 2017b (in-flight wing-coupling structure). Phylog.: Yoshizawa *et al.*, 2017a (mitochondrial genome).

### **Amphientomidae (Add. 18)**

*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).

### **Amphientomidae (Add. 20)**

Checklist of species recorded from Brazil (V): Silva-Neto & Garcia Aldrete, 2020.

## PSOCOMORPHA (Add. 11-20)

### Psocomorpha (Add. 13)

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

### Psocomorpha (Add. 14)

Yoshizawa & Johnson, 2014: Phylogeny, new higher-level classification proposed. Six infraorders recognized: Archipsocetae, Caeciliusetae, Homilopsocidea (redefined), Philotarsetae (new infraorder), Epipsocetae, Psocetae.

*Awightipsocus*\*\* Azar, 2014: 312. Gender: M. Type species not designated. *Incertae sedis* within Psocomorpha (not assigned to an infraorder or family).

*Awightipsocus jarzembowskii*\* Azar, 2014: 312. Limestone fossil from Late Eocene (A), Great Britain (I).

*Awightipsocus megaloi*\* Azar, 2014: 314. Limestone fossil from Late Eocene (A), Great Britain (I).

*Awightipsocus minimus*\* Azar, 2014: 314. Limestone fossil from Late Eocene (A), Great Britain (I).

*Wightimicropsocus*\*\* Azar, 2014: 315. Gender: M. Type species: *Wightimicropsocus inexpectatus* Azar (by monotypy). *Incertae sedis*, probably within Psocomorpha (not assigned to an infraorder or family).

*Wightimicropsocus inexpectatus*\* Azar, 2014: 315. Limestone fossil from Late Eocene (A), Great Britain (I).

*Wightipsocus*\*\* Azar, 2014: 307. Gender: M. Type species: *Psocus acourti* Cockerell, 1921. *Incertae sedis* within Psocomorpha (not assigned to an infraorder or family).

*Wightipsocus acourti* (Cockerell, 1921). Redescription: Azar, 2014: 307 (**from** *Psocus*). Limestone fossil from Late Eocene (A), Great Britain (I).

*Wightipsocus intasi*\* Azar, 2014: 309. Limestone fossil from Late Eocene (A), Great Britain (I).

*Wightipsocus rossi*\* Azar, 2014: 311. Limestone fossil from Late Eocene (A), Great Britain (I).

### Psocomorpha (Add. 17)

Phylog.: Ogawa & Yoshizawa, 2017b (in-flight wing-coupling structure contains a synapomorphy of Troctomorpha and Psocomorpha).

### Psocomorpha (Add. 20)

Checklist of known species from Cretaceous amber. Alvarez-Parra *et al.*, 2020: Table 1.

## ARCHIPSOCETAE (Add. 11-20)

### Archipsocetae (Add. 14)

Yoshizawa & Johnson, 2014: Phylogeny, infraorder status confirmed.

## ARCHIPSOCIDAE (Add. 11-20)

### Archipsocidae (Add. 12)

*Archipsocopsis frater* (Mockford). North America (III): Mockford, 2012a (biogeography).

*Archipsocopsis parvula* (Mockford). North America (III): Mockford, 2012a (biogeography).

*Archipsocus* spec. Dominican Republic (IV) in Dominican amber (A): Poinar & Poinar, 1999; Scheven, 2004 (photograph).

*Archipsocus* spec. North America (III): Mockford, 2012a (biogeography).

*Archipsocus floridanus* Mockford. North America (III): Mockford, 2012a (biogeography).

*Archipsocus gurneyi* Mockford. North America (III): Mockford, 2012a (biogeography).  
*Archipsocus nomas* Gurney. North America (III): Mockford, 2012a (biogeography).  
*Archipsocus puber* Hagen. Baltic amber (I) (A): Scheven, 2004 (photograph).  
*Archipsocus spinosus* Thornton, Lee & Chui. Galapagos (X): Peck, 2012.  
*Pararchipsocus elongatus* Badonnel, Mockford & Garcia Aldrete. North America (III):  
Mockford, 2012a (biogeography).

#### **Archipsocidae (Add. 13)**

*Archipsocopsis antiqua* (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.

#### **Archipsocidae (Add. 14)**

Yoshizawa & Johnson, 2014: Phylogeny, family status confirmed.  
*Archipsocus* spec. Brazil (V): Silva Neto *et al.*, 2014a. Colombia (V): Sarria *et al.*, 2014a, 2014b.  
*Pararchipsocus* spec. Colombia (V): Sarria *et al.*, 2014a, 2014b.

#### **Archipsocidae (Add. 17)**

*Archipsocus* spec. Morph.: Ogawa & Yoshizawa, 2017b (in-flight wing-coupling structure).  
*Archipsocus nomas* Gurney. Phylog.: Yoshizawa *et al.*, 2017a (mitochondrial genome).

#### **Archipsocidae (Add. 18)**

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

#### **Archipsocidae (Add. 20)**

Checklist of species recorded from Brazil (V): Silva-Neto & Garcia Aldrete, 2020.

### **CAECILIUSETAE (Add. 11-20)**

#### **Caeciliusetae (Add. 14)**

Yoshizawa *et al.*, 2014a: Molecular systematics, new family-level classification and key to  
families. Six families are recognized (see also Yoshizawa & Johnson, 2014):  
Amphipsocidae, Stenopsocidae, Dasydemellidae, Asiopsocidae, Paracaeciliidae,  
Caeciliusidae (including *Calocaecilius* Mockford).  
Yoshizawa & Johnson, 2014: Phylogeny, infraorder status confirmed.

### **ASIOPSOCIDAE (Add. 11-20)**

#### **Asiopsocidae (Add. 12)**

*Asiopsocus sonorensis* Mockford & Garcia Aldrete. North America (III): Mockford, 2012a  
(biogeography).

*Notiopsocus* spec. North America (III): Mockford, 2012a (biogeography).  
*Pronotiopsocus* spec. North America (III): Mockford, 2012a (biogeography).

**Asiopsocidae (Add. 13)**

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

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

**Asiopsocidae (Add. 14)**

Yoshizawa *et al.*, 2014a: Molecular systematics, family status confirmed.

Yoshizawa & Johnson, 2014: Phylogeny, family status confirmed.

*Notiopsocus* spec. Colombia (V): Sarria *et al.*, 2014a, 2014b.

**Asiopsocidae (Add. 18)**

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

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

**Asiopsocidae (Add. 19)**

*Notiopsocus neotropicus* (Machado-Allison & Papavero). Data about type material: Silva Neto *et al.*, 2019b.

**Asiopsocidae (Add. 20)**

Checklist of species recorded from Brazil (V): Silva-Neto & Garcia Aldrete, 2020.

**PARACAECILIIDAE (Add. 11-20) (see also Caeciliusidae)**

**Paracaeciliidae (Add. 14)**

Yoshizawa *et al.*, 2014a: Molecular systematics, new family status for Paracaeciliinae (subfamily of Caeciliusidae).

Yoshizawa & Johnson, 2014: Phylogeny, family status confirmed.

*Enderleinella obsoleta* (Stephens). Czech Republic (I): Gol & Holusa, 2011 (ecol.). Great Britain (I): Alexander, 2013b.

*Xanthocaecilius* spec. Brazil (V): Silva Neto *et al.*, 2014a.

**Paracaeciliidae (Add. 15)**

*Enderleinella obsoleta* (Stephens). Finland (I): Salmela *et al.*, 2015.

**Paracaeciliidae (Add. 16)**

*Enderleinella obsoleta* (Stephens). Germany (I): Schmidt, 2015 (fig.). Romania (I): Moldovan *et al.*, 2007.

*Enderleinella kurilensis* Mockford, 2003c. Japan (VIII): Yoshizawa, 2016c.

*Paracaecilius japanus* (Enderlein). Japan (VIII): Yoshizawa, 2016c.

*Paracaecilius novoguineensis* (Enderlein). Japan (VIII): Yoshizawa, 2016c.

*Paracaecilius papillatus* Mockford, 2003c. Japan (VIII): Yoshizawa, 2016c.

**Paracaeciliidae (Add. 17)**

*Chilenocaecilius ornatipennis* (Blanchard). Great Britain (I): Alexander, 2017 (Scotland and England). Ireland (I): Lienhard *et al.*, 2017 (figs of female).

*Paracaecilius japonicus* (Enderlein). Korea (VIII): Soysouvanh *et al.*, 2017.

**Paracaeciliidae (Add. 19)**

*Chilenocaecilius ornatipennis* (Blanchard). Great Britain, Ireland (I): Alexander, 2019.

*Paracaecilius anareolatus* Lienhard, 2008d. Morph.: Salcedo *et al.*, 2019 (computational analysis of insect wing morphology).

**Paracaeciliidae (Add. 20)**

*Enderleinella obsoleta* (Stephens). Bulgaria (I): Georgiev, 2020c.

**DASYDEMELLIDAE (Add. 11-20)**

**Dasydemellidae (Add. 12)**

*Dasydemella silvestrii* Enderlein. North America (III): Mockford, 2012a (biogeography).

*Teliapsocus conterminus* (Walsh). North America (III): Mockford, 2012a (biogeography). USA (III): Coots *et al.*, 2012a (ecol.), 2012b (ecol.).

**Dasydemellidae (Add. 13)**

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

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

**Dasydemellidae (Add. 14)**

Yoshizawa *et al.*, 2014a: Molecular systematics, family reinstated according to Mockford (1993a) and Lienhard & Smithers (2002).

Yoshizawa & Johnson, 2014: Phylogeny, family status confirmed.

**Dasydemellidae (Add. 15)**

*Teliapsocus* spec. USA (III): Naughton *et al.*, 2015.

*Teliapsocus conterminus* (Walsh). USA (III): Naughton *et al.*, 2015.

**Dasydemellidae (Add. 16)**

*Matsumuraiella radiopicta* Enderlein. Japan (VIII): Yoshizawa, 2016c.

**Dasydemellidae (Add. 17)**

*Matsumuraiella radiopicta* Enderlein. Morph.: Ogawa & Yoshizawa, 2017b (in-flight wing-coupling structure).

**Dasydemellidae (Add. 18)**

*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 stigmaphopysis); Japan (VIII).

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

**Dasydemellidae (Add. 19)**

Canada (III): Anonby, 2019 (one species of Dasydemellidae known from Canada, not listed).

**Dasydemellidae (Add. 20)**

Checklist of species recorded from Brazil (V): Silva-Neto & Garcia Aldrete, 2020.

**STENOPSOCIDAE (Add. 11-20)**

**Stenopsocidae (Add. 11)**

*Graphopsocus cruciatus* (Linnaeus). Finland (I): Kanervo, 2010. Germany (I): Günther & Lienhard, 2011. Greece (I): Hollier *et al.*, 2011. Dominica (IV): Garcia Aldrete, 2011a. Colombia (V): Sarria, 2011.

*Stenopsocus immaculatus* (Stephens). Finland (I): Kanervo, 2010. Germany (I): Günther & Lienhard, 2011.

*Stenopsocus lachlani* Kolbe. Finland (I): Kanervo, 2010. Germany (I): Günther & Lienhard, 2011.  
*Stenopsocus stigmaticus* (Imhoff & Labram). Finland (I): Kanervo, 2010. Germany (I): Günther & Lienhard, 2011.

#### **Stenopsocidae (Add. 12)**

*Graphopsocus cruciatus* (Linnaeus). Germany (I): Tamm, 1982; Willig, 2002; Schneider *et al.*, 2012. Russia (I): Golub, 2007 (ecol.). Spain (I): Montserrat Larrosa & Barrientos Alfageme, 1999; Baz, 2003; Mederos-Lopez & Baz Ramos, 2012. Switzerland (I): Lienhard, 2012b. North America (III): Mockford, 2012a (biogeography). USA (III): Coots *et al.*, 2012a (ecol.), 2012b (ecol.).

*Graphopsocus mexicanus* Enderlein. North America (III): Mockford, 2012a (biogeography).

*Stenopsocus immaculatus* (Stephens). Germany (I): Schneider *et al.*, 2012. Spain (I): Montserrat Larrosa & Barrientos Alfageme, 1999; Mederos-Lopez & Baz Ramos, 2012. Switzerland (I): Lienhard, 2012b.

*Stenopsocus lachlani* Kolbe. Germany (I): Tamm, 1982; Schneider *et al.*, 2012. Russia (I): Golub, 2007 (ecol.). Switzerland (I): Lienhard, 2012b.

*Stenopsocus stigmaticus* (Imhoff & Labram). Germany (I): Schneider *et al.*, 2012. Russia (I): Golub, 2007 (ecol.). Switzerland (I): Lienhard, 2012b.

#### **Stenopsocidae (Add. 13)**

*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, 2013a: 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.).

#### **Stenopsocidae (Add. 14)**

Yoshizawa *et al.*, 2014a: Molecular systematics, family status confirmed.

Yoshizawa & Johnson, 2014: Phylogeny, family status confirmed.

*Graphopsocus cruciatus* (Linnaeus). Albania, Kosovo, Montenegro (I): Sziraki, 2013. Germany (I): Büchs, 1988 (ecol.); Blick & Dorow, 2014a, 2014b. Great Britain (I): Alexander, 2013b. Colombia (V): Sarria *et al.*, 2014a, 2014b. Paraguay (V): Garcia Aldrete, 2014a.

*Graphopsocus mexicanus* Enderlein. Brazil (V): Silva Neto *et al.*, 2014a. Fig.: Lopez, 2015 (habitus photograph).

*Stenopsocus immaculatus* (Stephens). Albania, Bulgaria, Macedonia, Serbia (I): Sziraki, 2013. Germany (I): Blick & Dorow, 2014a, 2014b.

*Stenopsocus lachlani* Kolbe. Bosnia-Herzegovina, Bulgaria (I): Sziraki, 2013. Czech Republic (I): Gol & Holusa, 2011 (ecol.).

*Stenopsocus stigmaticus* (Imhoff & Labram). Germany (I): Blick & Dorow, 2014a, 2014b. Montenegro (I): Sziraki, 2013.

#### **Stenopsocidae (Add. 15)**

*Graphopsocus cruciatus* (Linnaeus). Finland (I): Salmela *et al.*, 2015. Iran (I): Aghadokht *et al.*, 2015; Gol *et al.*, 2015. USA (III): Naughton *et al.*, 2015.

*Stenopsocus* Hagen. Diagnosis: Liang Feiyang *et al.*, 2015: 194.

*Stenopsocus aphidiformis* Enderlein. Redescription: Liang Feiyang *et al.*, 2015: 195. Taiwan (VIII).

*Stenopsocus externus* Banks. Redescription: Liang Feiyang *et al.*, 2015: 199. China, Taiwan, Vietnam (VIII).

*Stenopsocus formosanus* Banks. Redescription: Liang Feiyang *et al.*, 2015: 202. Taiwan (VIII).  
*Stenopsocus lachlani* Kolbe. Finland (I): Salmela *et al.*, 2015.  
*Stenopsocus makii* Takahashi. Redescription: Liang Feiyang *et al.*, 2015: 204. Taiwan (VIII).  
*Stenopsocus niger* Enderlein. Redescription: Liang Feiyang *et al.*, 2015: 197. Taiwan (VIII).  
*Stenopsocus tibialis* Banks. Redescription: Liang Feiyang *et al.*, 2015: 206. Taiwan (VIII).

#### **Stenopsocidae (Add. 16)**

*Graphopsocus cruciatus* (Linnaeus). Albania (I): Lock, 2015. Czech Republic (I): Mazac, 2016 (ecol.). Germany (I): Schmidt, 2015 (fig.). Netherlands (I): Franken & Berg, 2016. Russia (I): Golub, 2015, 2016. Japan (VIII): Yoshizawa, 2016c.  
*Stenopsocus aphidiformis* Enderlein. Japan (VIII): Yoshizawa, 2016c.  
*Stenopsocus immaculatus* (Stephens). Albania (I): Lock, 2015. Germany (I): Schmidt, 2015. Great Britain (I): Alexander, 2016. Netherlands (I): Franken & Berg, 2016. Romania (I): Moldovan *et al.*, 2007; Sziraki, 2016. Japan (VIII): Yoshizawa, 2016c.  
*Stenopsocus lachlani* Kolbe. Czech Republic (I): Mazac, 2016 (ecol.). Germany (I): Schmidt, 2015. Romania (I): Moldovan *et al.*, 2007. Russia (I): Golub, 2015, 2016.  
*Stenopsocus lifashengi* Mockford, 2003c. Japan (VIII): Yoshizawa, 2016c.  
*Stenopsocus niger* Enderlein. Japan (VIII): Yoshizawa, 2016c.  
*Stenopsocus nigricellus* Okamoto. Japan (VIII): Yoshizawa, 2016c.  
*Stenopsocus pygmaeus* Enderlein. Japan (VIII): Yoshizawa, 2016c.  
*Stenopsocus stigmaticus* (Imhoff & Labram). Czech Republic (I): Mazac, 2016 (ecol.). Germany (I): Schmidt, 2015. Great Britain (I): Alexander, 2016. Romania (I): Moldovan *et al.*, 2007.

#### **Stenopsocidae (Add. 17)**

*Cubipilis aphidiformis* (Enderlein). Korea (VIII): Soysouvanh *et al.*, 2017.  
*Malostenopsocus* Li Fasheng. Generic diagnosis: Liang Feiyang *et al.*, 2017: 590.  
*Malostenopsocus lacteus*\* Liang Feiyang, Li Fasheng & Liu Xingyue 2017: 590. Laos (VIII).  
*Stenopsocus immaculatus* (Stephens). Bulgaria (I): Georgiev, 2017d. Korea (VIII): Soysouvanh *et al.*, 2017. Genet.: Liu Xiaochen *et al.*, 2017 (mitochondrial genome).  
*Stenopsocus nigricellus* Okamoto. Morph.: Ogawa & Yoshizawa, 2017a (thoracic musculature); Ogawa & Yoshizawa, 2017b (in-flight wing-coupling structure).  
*Stenopsocus wangi*\* Liang Feiyang, Li Fasheng & Liu Xingyue 2017: 592. Laos (VIII).  
*Stenopsocus abnormis*\* Liang Feiyang, Li Fasheng & Liu Xingyue 2017: 597. Laos (VIII).  
*Stenopsocus externus* Banks. China (including Taiwan), Laos, Vietnam (VIII): Liang Feiyang *et al.*, 2017 (fig.).

#### **Stenopsocidae (Add. 18)**

*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).

#### **Stenopsocidae (Add. 19)**

Canada (III): Anonby, 2019 (one species of Stenopsocidae known from Canada, not listed).  
*Graphopsocus cruciatus* (Linnaeus). Armenia (I): Golub, 2019. Bulgaria (I): Georgiev, 2019; Georgiev & Ivanova, 2019c. Greece (I): Georgiev & Ivanova, 2019b. Cytol., Genet.: Golub *et al.*, 2019 (chromosomes).  
*Stenopsocus lachlani* Kolbe. Cytol., Genet.: Golub *et al.*, 2019 (chromosomes).

#### **Stenopsocidae (Add. 20)**

Checklist of species recorded from Brazil (V): Silva-Neto & Garcia Aldrete, 2020.  
*Graphopsocus cruciatus* (Linnaeus). Bulgaria (I): Georgiev, 2020b, 2020c. Greece (I): Georgiev, 2020a.

*Stenopsocus immaculatus* (Stephens). Bulgaria (I): Georgiev, 2020c.  
*Stenopsocus lachlani* Kolbe. Bulgaria (I): Georgiev, 2020c.

## **AMPHIPSOCIDAE (Add. 11-20)**

### **Amphipsocidae (Add. 11)**

*Kolbia quisquiliarum* Bertkau. Finland (I): Kanervo, 2010. Germany (I): Günther & Lienhard, 2011. Greece (I): Hollier *et al.*, 2011.

### **Amphipsocidae (Add. 12)**

Amphipsocidae gen. spec. Dominican Republic (IV) in Dominican amber (A): Poinar & Poinar, 1999 (as Polypsocidae gen. spec.).

*Brachypsocus badonneli* Lienhard. Spain (I): Montserrat Larrosa & Barrientos Alfageme, 1999.

*Kolbia quisquiliarum* Bertkau. Germany (I): Schneider *et al.*, 2012. Russia (I): Golub, 2007 (ecol.). Switzerland (I): Lienhard, 2012b.

*Polypsocus corruptus* (Hagen). North America (III): Mockford, 2012a (biogeography).

### **Amphipsocidae (Add. 13)**

*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*).

### **Amphipsocidae (Add. 14)**

Yoshizawa *et al.*, 2014a: Molecular systematics, family definition revised (*Calocaecilius* Mockford assigned to Caeciliusidae and Dasydemellinae reinstated as a family of its own).

Yoshizawa & Johnson, 2014: Phylogeny, revised family definition confirmed.

Calocaeciliinae. See Caeciliusidae; not longer valid as a taxon of the family-group: Yoshizawa *et al.*, 2014a.

Dasydemellinae. See Dasydemellidae, reinstated as a valid family: Yoshizawa *et al.*, 2014a.

*Calocaecilius* Mockford. Genus assigned to Caeciliusidae: Yoshizawa *et al.*, 2014a.

### **Amphipsocidae (Add. 15)**

*Kolbia quisquiliarum* Bertkau. Finland (I): Salmela *et al.*, 2015.

### **Amphipsocidae (Add. 16)**

*Amphipsocus japonicus* (Enderlein). Japan (VIII): Yoshizawa, 2016c.

*Kolbia quisquiliarum* Bertkau. Germany (I): Schmidt, 2015. Romania (I): Moldovan *et al.*, 2007; Sziraki, 2016. Russia (I): Golub, 2015.

*Siniamphipsocus fusconervosus* (Enderlein). Japan (VIII): Yoshizawa, 2016c.

*Taeniostigma ingens* Enderlein. Not known from present day Japan (VIII): Yoshizawa, 2016c: 4.

### **Amphipsocidae (Add. 17)**

*Amphipsocus japonicus* (Enderlein). Korea (VIII): Soysouvanh *et al.*, 2017. Morph.: Ogawa & Yoshizawa, 2017b (in-flight wing-coupling structure).

*Kolbia fusconervosa* Enderlein. Korea (VIII): Soysouvanh *et al.*, 2017.

*Kolbia quisquiliarum* Bertkau. Belgium (I): Lock, 2017a.

### **Amphipsocidae (Add. 18)**

*Amphipsocus japonicus* (Enderlein). Morph.: Ogawa & Yoshizawa, 2018a (structure of stigmaphysis); Japan (VIII).

*Dasypsocus chillcotti* New. Lonsdale & Locke, 2018: Holotype in Canadian National Collection, Nepal (VIII).

*Kolbia quisquiliarum* Bertkau. Bulgaria (I): Georgiev, 2018a.  
*Polypsocus* spec. Colombia (V): Garcia Aldrete *et al.*, 2018.

#### Amphipsocidae (Add. 19)

Canada (III): Anonby, 2019 (one species of Amphipsocidae known from Canada, not listed).  
*Dasypsocus roesleri* (New & Thornton). Data about type material: Silva Neto *et al.*, 2019b.

#### Amphipsocidae (Add. 20)

Checklist of species recorded from Brazil (V): Silva-Neto & Garcia Aldrete, 2020.  
*Kolbia quisquiliarum* Bertkau. Bulgaria (I): Georgiev, 2020b, 2020c.

### CAECILIUSIDAE (Add. 11-20)

#### Caeciliusidae (Add. 11)

*Caecilius fuscopterus* (Latreille). Finland (I): Kanervo, 2010. Germany (I): Günther & Lienhard, 2011. Greece (I): Hollier *et al.*, 2011.  
*Enderleinella obsoleta* (Stephens). Finland (I): Kanervo, 2010. Germany (I): Günther & Lienhard, 2011. Great Britain (I): Alexander, 2009b.  
*Epicaecilius pilipennis* (Lienhard). Great Britain (I): Alexander, 2009b.  
*Lienhardiella dahli* (Badonnel). Azores (II): Baz, 2010.  
*Stenocaecilius benoiti* (Badonnel). Saint Helena (II): Mendel *et al.*, 2008; Lienhard & Ashmole, 2011.  
*Stenocaecilius caboverdensis* (Meinander). Azores (II): Baz, 2010. Saint Helena, Ascension Island (II): Lienhard & Ashmole, 2011.  
*Valenzuela* spec. Dominica (IV): Garcia Aldrete, 2011a.  
*Valenzuela atricornis* (McLachlan). Finland (I): Kanervo, 2010. Germany (I): Günther & Lienhard, 2011. Greece (I): Hollier *et al.*, 2011.  
*Valenzuela burmeisteri* (Brauer). Finland (I): Kanervo, 2010. Germany (I): Günther & Lienhard, 2011. Azores (II): Baz, 2010.  
*Valenzuela corsicus* (Kolbe). Germany (I): Günther & Lienhard, 2011.  
*Valenzuela despaxi* (Badonnel). Finland (I): Kanervo, 2010. Germany (I): Günther & Lienhard, 2011.  
*Valenzuela flavidus* (Stephens). Finland (I): Kanervo, 2010. Germany (I): Günther & Lienhard, 2011. Greece (I): Hollier *et al.*, 2011. Azores (II): Baz, 2010.  
*Valenzuela gynapterus* (Tetens). Finland (I): Kanervo, 2010. Germany (I): Günther & Lienhard, 2011.  
*Valenzuela piceus* (Kolbe). Finland (I): Kanervo, 2010. Germany (I): Günther & Lienhard, 2011.

#### Caeciliusidae (Add. 12)

Caeciliusidae gen. spec. Dominican Republic (IV) in Dominican amber (A): Scheven, 2004 (photograph).  
*Caecilius* spec. Australia (IX): Gunawardene *et al.*, 2012.  
*Caecilius fuscopterus* (Latreille). Germany (I): Schneider *et al.*, 2012. Great Britain (I): Alexander, 2011a. Russia (I): Golub, 2007 (eol.). Switzerland (I): Lienhard, 2012b.  
*Enderleinella* spec. Dominican Republic (IV) in Dominican amber (A): Poinar & Poinar, 1999 (misspelled *Enderleenella*).  
*Enderleinella obsoleta* (Stephens). Germany (I): Schneider *et al.*, 2012. Switzerland (I): Lienhard, 2012b.  
*Epicaecilius pilipennis* (Lienhard). Great Britain (I): Alexander, 2010.  
*Maoripsocus africanus* (Ribaga). North America (III): Mockford, 2012a (biogeography).  
*Stenocaecilius antillanus* (Banks). North America (III): Mockford, 2012a2 (biogeography). Galapagos (X): Peck, 2012.  
*Stenocaecilius caboverdensis* (Meinander). Spain (I): Baz, 2003.  
*Stenocaecilius casarum* (Badonnel). North America (III): Mockford, 2012a (biogeography).

*Stenocaecilius insularum* (Mockford). North America (III): Mockford, 2012a (biogeography). Galapagos (X): Peck, 2012.

*Valenzuela atricornis* (McLachlan). Great Britain (I): Alexander, 2010, 2011b. Switzerland (I): Lienhard, 2012b. North America (III): Mockford, 2012a (biogeography).

*Valenzuela boreus* (Mockford). North America (III): Mockford, 2012a (biogeography).

*Valenzuela burmeisteri* (Brauer). Germany (I): Tamm, 1982; Schneider *et al.*, 2012. Spain (I): Montserrat Larrosa & Barrientos Alfageme, 1999; Baz, 2003; Mederos-Lopez & Baz Ramos, 2012. Switzerland (I): Lienhard, 2012b. North America (III): Mockford, 2012a (biogeography).

*Valenzuela confluens* (Walsh). North America (III): Mockford, 2012a (biogeography).

*Valenzuela corsicus* (Kolbe). Germany (I): Schneider *et al.*, 2012 (as *V. rhenanus*). Spain (I): Montserrat Larrosa & Barrientos Alfageme, 1999; Baz, 2003.

*Valenzuela croesus* (Chapman). North America (III): Mockford, 2012a (biogeography).

*Valenzuela debilis* (Hagen). Baltic amber (I) (A): Scheven, 2004 (as *Caecilius debilis*, photograph).

*Valenzuela despaxi* (Badonnel). Germany (I): Schneider *et al.*, 2012. Spain (I): Mederos-Lopez & Baz Ramos, 2012. Switzerland (I): Lienhard, 2012b.

*Valenzuela distinctus* (Mockford). North America (III): Mockford, 2012a (biogeography). Galapagos (X): Peck, 2012.

*Valenzuela flavidus* (Stephens). Germany (I): Tamm, 1982; Willig, 2002; Schneider *et al.*, 2012. Russia (I): Golub, 2007 (ecol.). Spain (I): Montserrat Larrosa & Barrientos Alfageme, 1999. Switzerland (I): Lienhard, 2012b. North America (III): Mockford, 2012a (biogeography). USA (III): Coots *et al.*, 2012a (ecol.), 2012b (ecol.).

*Valenzuela gonostigma* (Enderlein). North America (III): Mockford, 2012a (biogeography).

*Valenzuela graminis* (Mockford). North America (III): Mockford, 2012a (biogeography).

*Valenzuela gynapterus* (Tetens). Denmark, Finland (I): Kanervo, 2011 (brachypterous female, figs.). Germany (I): Schneider *et al.*, 2012. Russia (I): Golub, 2007 (ecol.). Switzerland (I): Lienhard, 2012b.

*Valenzuela hyperboreus* (Mockford). North America (III): Mockford, 2012a (biogeography).

*Valenzuela incoloratus* (Mockford). North America (III): Mockford, 2012a (biogeography).

*Valenzuela indicator* (Mockford). North America (III): Mockford, 2012a (biogeography).

*Valenzuela juniperorum* (Mockford). North America (III): Mockford, 2012a (biogeography).

*Valenzuela lochloosae* (Mockford). North America (III): Mockford, 2012a (biogeography).

*Valenzuela manteri* (Sommerman). North America (III): Mockford, 2012a (biogeography).

*Valenzuela maritimus* (Mockford). North America (III): Mockford, 2012a (biogeography).

*Valenzuela mexicanus* (Enderlein). North America (III): Mockford, 2012a (biogeography).

*Valenzuela micanopi* (Mockford). North America (III): Mockford, 2012a (biogeography).

*Valenzuela nadleri* (Mockford). North America (III): Mockford, 2012a (biogeography).

*Valenzuela perplexus* (Chapman). North America (III): Mockford, 2012a (biogeography).

*Valenzuela piceus* (Kolbe). Russia (I): Golub, 2007 (ecol.). Switzerland (I): Lienhard, 2012b.

*Valenzuela pinicola* (Banks). North America (III): Mockford, 2012a (biogeography). USA (III): Coots *et al.*, 2012a (ecol.), 2012b (ecol.).

*Valenzuela posticus* (Banks). North America (III): Mockford, 2012a (biogeography).

*Valenzuela subflavus* (Aaron). North America (III): Mockford, 2012a (biogeography).

*Valenzuela tamiami* (Mockford). North America (III): Mockford, 2012a (biogeography).

*Valenzuela totonacus* (Mockford). North America (III): Mockford, 2012a (biogeography).

*Xanthocaecilius* spec. Dominican Republic (IV) in Dominican amber (A): Poinar & Poinar, 1999.

*Xanthocaecilius* spec. North America (III): Mockford, 2012a (biogeography).

*Xanthocaecilius anahuacensis* Mockford. North America (III): Mockford, 2012a (biogeography).

*Xanthocaecilius microphthalmus* Mockford. North America (III): Mockford, 2012a (biogeography).

*Xanthocaecilius quillayute* (Chapman). North America (III): Mockford, 2012a (biogeography). USA (III): Coots *et al.*, 2012a (ecol.).

*Xanthocaecilius sommermanae* (Mockford). North America (III): Mockford, 2012a (biogeography). USA (III): Coots *et al.*, 2012a (ecol.), 2012b (ecol.).

### **Caeciliusidae (Add. 13)**

- 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.
- Stenoaecilius antillanus* (Banks). Mexico (IV): Garcia Aldrete, 2011c, 2001d.
- Stenoaecilius 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 granulatus* Mockford. Mexico (IV): Garcia Aldrete, 2011c, 2011d.

### **Caeciliusidae (Add. 14)**

- Yoshizawa *et al.*, 2014a: Molecular systematics, family definition revised (*Calocaecilius* Mockford assigned to Caeciliusidae and Paracaeciliinae considered as a family of its own).
- Yoshizawa & Johnson, 2014: Phylogeny, family status confirmed.
- Paracaeciliinae. See Paracaeciliidae, considered as a family of its own: Yoshizawa *et al.*, 2014a.
- Caecilius* spec. Australia (Barrow Island) (IX): Gunawardene *et al.*, 2012. Morph.: Wipfler & Pass, 2014 (antennal heart).
- Caecilius fuscopterus* (Latreille). Germany (I): Blick & Dorow, 2014a, 2014b.
- Calocaecilius* Mockford. Genus transferred from Amphipsocidae to Caeciliusidae: Yoshizawa *et*

*al.*, 2014a.

*Enderleinella* Badonnel. See Paracaeciliidae.

*Valenzuela* spec. Brazil (V): Silva Neto *et al.*, 2014a. Colombia (V): Sarria *et al.*, 2014a, 2014b.

*Valenzuela burmeisteri* (Brauer). Bulgaria, Montenegro (I): Sziraki, 2013. Czech Republic (I): Gol & Holusa, 2011 (ecol.). Germany (I): Büchs, 1988 (ecol.).

*Valenzuela despaxi* (Badonnel). Bulgaria (I): Sziraki, 2013. Czech Republic (I): Gol & Holusa, 2011 (ecol.).

*Valenzuela flavidus* (Stephens). Albania, Bulgaria, Montenegro (I): Sziraki, 2013. Czech Republic (I): Gol & Holusa, 2011 (ecol.). Germany (I): Büchs, 1988 (ecol.); Blick & Dorow, 2014a, 2014b. Morph.: Friedemann *et al.*, 2014 (attachment structures).

*Valenzuela gynapterus* (Tetens). Serbia (I): Sziraki, 2013.

*Valenzuela piceus* (Kolbe). Albania (I): Sziraki, 2013.

*Xanthocaecilius* Mockford. See Paracaeciliidae.

### **Caeciliusidae (Add. 15)**

*Caecilius fuscopterus* (Latreille). Finland (I): Salmela *et al.*, 2015. Great Britain (I): Alexander, 2014.

*Epicaecilius pilipennis* (Lienhard). Great Britain (I): Alexander, 2014.

*Stenocaecilius caboverdensis* (Meinander). Malta (I): Lienhard & Mifsud, 2015.

*Valenzuela* spec. Finland (I): Salmela *et al.*, 2015.

*Valenzuela burmeisteri* (Brauer). Finland (I): Salmela *et al.*, 2015. Malta (I): Lienhard & Mifsud, 2015.

*Valenzuela corsicus* (Kolbe). Malta (I): Lienhard & Mifsud, 2015.

*Valenzuela despaxi* (Badonnel). Finland (I): Salmela *et al.*, 2015.

*Valenzuela flavidus* (Stephens). Finland (I): Salmela *et al.*, 2015.

*Valenzuela gynapterus* (Tetens). Finland (I): Salmela *et al.*, 2015.

*Valenzuela piceus* (Kolbe). Finland (I): Salmela *et al.*, 2015.

### **Caeciliusidae (Add. 16)**

*Caecilius fuscopterus* (Latreille). Albania (I): Lock, 2015. Czech Republic (I): Mazac, 2016 (ecol.). Germany (I): Schmidt, 2015. Romania (I): Moldovan *et al.*, 2007. Russia (I): Golub, 2015, 2016. Japan (VIII): Yoshizawa, 2016c.

*Caecilius yoshizawai* Mockford, 2003c. Japan (VIII): Yoshizawa, 2016c.

*Coryphosmilla dolabrata* (Hagen). Japan (VIII): Yoshizawa, 2016c (misspelled: *dolobratus*).

*Dypsocus coleopratus* (Hagen). Japan (VIII): Yoshizawa, 2016c.

*Kodamaius pilosus* Okamoto. Japan (VIII): Yoshizawa, 2016c.

*Valenzuela atricornis* (McLachlan). Germany (I): Schmidt, 2015. Romania (I): Moldovan *et al.*, 2007. Japan (VIII): Yoshizawa, 2016c.

*Valenzuela badiostigma* (Okamoto). Japan (VIII): Yoshizawa, 2016c.

*Valenzuela burmeisteri* (Brauer). Albania (I): Lock, 2015. Czech Republic (I): Mazac, 2016 (ecol.). Germany (I): Schmidt, 2015. Romania (I): Moldovan *et al.*, 2007. Russia (I): Golub, 2015, 2016.

*Valenzuela corsicus* (Kolbe). Albania (I): Lock, 2015. Germany (I): Schmidt, 2015.

*Valenzuela despaxi* (Badonnel). Czech Republic (I): Mazac, 2016 (ecol.). Germany (I): Schmidt, 2015. Russia (I): Golub, 2016.

*Valenzuela flavidorsalis* (Okamoto). Japan (VIII): Yoshizawa, 2016c.

*Valenzuela flavidus* (Stephens). Albania (I): Lock, 2015. Czech Republic (I): Mazac, 2016 (ecol.). Germany (I): Schmidt, 2015 (figs). Great Britain (I): Alexander, 2016. Netherlands (I): Franken & Berg, 2016. Romania (I): Moldovan *et al.*, 2007; Sziraki, 2016. Russia (I): Golub, 2015, 2016. Japan (VIII): Yoshizawa, 2016c. Biol: Vershinina & Kuznetsova, 2016 (parthenogenesis).

*Valenzuela gonostigma* (Enderlein). Japan (VIII): Yoshizawa, 2016c.

*Valenzuela gracilis* Okamoto. Japan (VIII): Yoshizawa, 2016c.

*Valenzuela gynapterus* (Tetens). Germany (I): Schmidt, 2015. Romania (I): Moldovan *et al.*, 2007. Russia (I): Golub, 2015.

*Valenzuela kamakurensis* (Okamoto). Japan (VIII): Yoshizawa, 2016c.  
*Valenzuela kunashirensis* Mockford, 2003c. Japan (VIII): Yoshizawa, 2016c.  
*Valenzuela labinae* Lienhard, 2006b. Biol.: Verzhinina & Kuznetsova, 2016 (parthenogenesis).  
*Valenzuela luteovenosus* (Okamoto). Japan (VIII): Yoshizawa, 2016c.  
*Valenzuela nigricornis* (Okamoto). Japan (VIII): Yoshizawa, 2016c.  
*Valenzuela oyamai* (Enderlein). Japan (VIII): Yoshizawa, 2016c.  
*Valenzuela phaeopterellus* Mockford, 2003c. Japan (VIII): Yoshizawa, 2016c.  
*Valenzuela piceus* (Kolbe). Albania (I): Lock, 2015. Czech Republic (I): Mazac, 2016 (ecol.).  
Germany (I): Schmidt, 2015. Netherlands (I): Franken & Berg, 2016. Romania (I):  
Moldovan *et al.*, 2007. Russia (I): Golub, 2015, 2016.  
*Valenzuela scriptus* (Enderlein). Japan (VIII): Yoshizawa, 2016c.  
*Valenzuela stigmatus* (Okamoto). Japan (VIII): Yoshizawa, 2016c.

#### **Caeciliusidae (Add. 17)**

*Caecilius fuscopterus* (Latreille). Bulgaria (I): Georgiev & Todorov, 2017.  
*Stenocaecilius analis* (Banks). Parasit.: Triapitsyn, 2017 (*Alaptus immaturus* in eggs).  
*Stenocaecilius quercus* (Edwards). Phylog.: Yoshizawa *et al.*, 2017a (mitochondrial genome).  
*Valenzuela corsicus* (Kolbe). Belgium (I): Lock, 2017a. Luxembourg (I): Lock & Van Butsel,  
2017.  
*Valenzuela flavidus* (Stephens). Morph.: Ogawa & Yoshizawa, 2017b (in-flight wing-coupling  
structure).  
*Valenzuela gynapterus* (Tetens). Belgium (I): Lock, 2017a.  
*Valenzuela oyamai* (Enderlein). Korea (VIII): Soysouvanh *et al.*, 2017.

#### **Caeciliusidae (Add. 18)**

*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 stigmaphysis);  
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.

#### **Caeciliusidae (Add. 19)**

Canada (III): Anonby, 2019 (14 species of Caeciliusidae known from Canada, not listed).  
*Caecilius fuscopterus* (Latreille). Armenia (I): Golub, 2019. Bulgaria (I): Georgiev, 2019.  
*Coryphaca matona* (New & Thornton). Data about type material: Silva Neto *et al.*, 2019b.  
*Lienhardiella dahli* (Badonnel). Netherlands (I): Noordijk, 2019b.  
*Stenocaecilius caboverdensis* (Meinander). Greece (I): Georgiev & Ivanova, 2019a, 2019b.  
*Valenzuela andeanus* (New & Thornton). Data about type material: Silva Neto *et al.*, 2019b.  
*Valenzuela burmeisteri* (Brauer). Greece (I): Georgiev & Ivanova, 2019a. Cytol., Genet.: Golub  
*et al.*, 2019 (chromosomes).  
*Valenzuela cinalus* (New & Thornton). Data about type material: Silva Neto *et al.*, 2019b.

*Valenzuela claristigma* (New & Thornton). Data about type material: Silva Neto *et al.*, 2019b.  
*Valenzuela clayae* (New & Thornton). Data about type material: Silva Neto *et al.*, 2019b.  
*Valenzuela flavidus* (Stephens). Armenia (I): Golub, 2019. Bulgaria (I): Georgiev, 2019;  
Georgiev & Ivanova, 2019c.  
*Valenzuela micans* (New & Thornton). Data about type material: Silva Neto *et al.*, 2019b.  
*Valenzuela paradistinctus* (New & Thornton). Data about type material: Silva Neto *et al.*, 2019b.  
*Valenzuela tuberculatus* (New & Thornton). Data about type material: Silva Neto *et al.*, 2019b.

#### **Caeciliusidae (Add. 20)**

Checklist of species recorded from Brazil (V): Silva-Neto & Garcia Aldrete, 2020.  
*Caecilius fuscopterus* (Latreille). Bulgaria (I): Georgiev, 2020c. Greece (I): Georgiev, 2020a.  
*Valenzuela burmeisteri* (Brauer). Bulgaria (I): Georgiev, 2020c.  
*Valenzuela despaxi* (Badonnel). Bulgaria (I): Georgiev, 2020c.  
*Valenzuela flavidus* (Stephens). Bulgaria (I): Georgiev, 2020b, 2020c.  
*Valenzuela piceus* (Kolbe). Bulgaria (I): Georgiev, 2020b, 2020c.

#### **HOMILOPSOCIDEA (Add. 11-20)**

##### **Homilopsocidea (Add. 14)**

Yoshizawa & Johnson, 2014: Phylogeny, infraorder definition revised, only five families retained  
(other families transferred to new infraorder Philotarsetae): Lachesillidae, Peripsocidae,  
Ectopsocidae, Elipsocidae, Mesopsocidae.

#### **LACHESILLIDAE (Add. 11-20)**

##### **Lachesillidae (Add. 11)**

*Amazolachesilla*\*\* Garcia Aldrete & Mockford, 2011c: 554 (genus assigned to Eolachesillinae,  
Graphoeciliini). Gender: F. Type species: *Amazolachesilla ariasi* Garcia Aldrete &  
Mockford.  
*Amazolachesilla ariasi*\* Garcia Aldrete & Mockford, 2011c: 554. Brazil (V).  
*Hemicaecilius cuzcoensis*\* Garcia Aldrete & Mockford, 2011b: 420. Peru (V).  
*Lachesilla* Westwood. Garcia Aldrete, 2011a: List of known species groups (p. 483) and  
definition of two new species groups (p. 482): *L. palmera* group and *L. clavicularis* group.  
Garcia Aldrete, 2011b: Definition of the *L. asperiforceps* species complex (p. 825) within  
the *L. forcepeta* species group and key to the species of this complex (p. 826). Garcia  
Aldrete & Mockford, 2011d: Reappraisal of *L. patzumensis* species group and definition of  
*L. sclera* species group, with key to the species of the latter (p. 424) and figures of genitalia  
for several species.  
*Lachesilla acapulcana*\* Garcia Aldrete, 2011b: 826. Mexico (IV).  
*Lachesilla acapulcanoides*\* Garcia Aldrete, 2011b: 827. Mexico (IV).  
*Lachesilla asperiforceps* Garcia Aldrete, 2001. Further description: Garcia Aldrete, 2011b: 830.  
*Lachesilla bernardi* Badonnel. Germany (I): Günther & Lienhard, 2011. Greece (I): Hollier *et al.*,  
2011.  
*Lachesilla clavicularis*\* Garcia Aldrete, 2011a: 482. Dominica (IV).  
*Lachesilla dentata*\* Garcia Aldrete & Mockford, 2010: 187. Mexico, Guatemala (IV).  
*Lachesilla greeni* (Pearman). Germany (I): Günther & Lienhard, 2011. Azores (II): Baz, 2010.  
*Lachesilla latiforceps*\* Garcia Aldrete, 2011b: 830. Guatemala, Mexico (IV).  
*Lachesilla pedicularia* (Linnaeus). Finland (I): Kanervo, 2010. Germany (I): Günther & Lienhard,  
2011. Greece (I): Hollier *et al.*, 2011.  
*Lachesilla picticeps* Mockford. Mexico (IV): Castaño-Meneses *et al.*, 2005.  
*Lachesilla pisaqensis*\* Garcia Aldrete & Mockford, 2010: 188. Peru (V).  
*Lachesilla quercus* (Kolbe). Finland (I): Kanervo, 2010. Germany (I): Günther & Lienhard, 2011.  
Greece (I): Hollier *et al.*, 2011. USA (III): Stoaks, 2009.

*Lachesilla striatiforceps*\* Garcia Aldrete, 2011b: 830. Mexico (IV).  
*Lachesilla sulcata* Garcia Aldrete. Description of male: Garcia Aldrete & Mockford, 2011d: 418. USA (III), Mexico (IV).  
*Lachesilla tanaidana* Roesler. Germany (I): Günther & Lienhard, 2011.  
*Lachesilla zaragozai*\* Garcia Aldrete & Mockford, 2010: 189. Mexico (IV).  
*Waoraniella vidali*\* Garcia Aldrete & Mockford, 2011a: 125. Brazil (V).

### **Lachesillidae (Add. 12)**

Key to the genera of Graphocaeciliini: Garcia Aldrete, 2012b: 66.

*Anomopsocus amabilis* (Walsh). North America (III): Mockford, 2012a (biogeography). USA (III): Coots *et al.*, 2012a (ecol.).

*Cuzcolachesilla*\*\* Garcia Aldrete, 2012b: 65. Gender: F. Type species: *Cuzcolachesilla cashiriariensis* Garcia Aldrete.

*Cuzcolachesilla cashiriariensis*\* Garcia Aldrete, 2012b: 65. Peru (V).

*Hemicaecilius* Enderlein. Key to species: Garcia Aldrete *et al.*, 2012a: 50.

*Hemicaecilius mockfordi*\* Garcia Aldrete, Gonzalez Obando & Carrejo, 2012: 53. Colombia (V).

*Hemicaecilius nicolasi*\* Garcia Aldrete, Gonzalez Obando & Carrejo, 2012: 55. Colombia (V).

*Hemicaecilius rauli*\* Garcia Aldrete, Gonzalez Obando & Carrejo, 2012: 57. Colombia (V).

*Hemicaecilius smithersi*\* Garcia Aldrete, Gonzalez Obando & Carrejo, 2012: 53. Colombia (V).

*Lachesilla abiesicola* Garcia Aldrete. North America (III): Mockford, 2012a (biogeography).

*Lachesilla acuminiforceps* Garcia Aldrete. North America (III): Mockford, 2012a (biogeography).

*Lachesilla aethiopica* (Enderlein). North America (III): Mockford, 2012a (biogeography). Galapagos (X): Peck, 2012.

*Lachesilla albertina* Garcia Aldrete. North America (III): Mockford, 2012a (biogeography).

*Lachesilla alpejia* Garcia Aldrete. North America (III): Mockford, 2012a (biogeography).

*Lachesilla andra* Sommerman. North America (III): Mockford, 2012a (biogeography). USA (III): Coots *et al.*, 2012a (ecol.).

*Lachesilla anna* Sommerman. North America (III): Mockford, 2012a (biogeography). USA (III): Coots *et al.*, 2012a (ecol.).

*Lachesilla arida* Chapman. North America (III): Mockford, 2012a (biogeography).

*Lachesilla arnae* Sommerman. North America (III): Mockford, 2012a (biogeography).

*Lachesilla aspera* Garcia Aldrete. North America (III): Mockford, 2012a (biogeography).

*Lachesilla bernardi* Badonnel. Spain (I): Baz, 2003. Switzerland (I): Lienhard, 2012b.

*Lachesilla bifurcata* Garcia Aldrete. North America (III): Mockford, 2012a (biogeography).

*Lachesilla bottimeri* Mockford & Gurney. North America (III): Mockford, 2012a (biogeography).

*Lachesilla braheicola* Garcia Aldrete. North America (III): Mockford, 2012a (biogeography).

*Lachesilla broadheadi* Garcia Aldrete. North America (III): Mockford, 2012a (biogeography).

*Lachesilla castroi* Thornton & Woo. Galapagos (X): Peck, 2012.

*Lachesilla centralis* Garcia Aldrete. North America (III): Mockford, 2012a (biogeography).

*Lachesilla chapmani* Sommerman. North America (III): Mockford, 2012a (biogeography).

*Lachesilla cintalapa* Garcia Aldrete. North America (III): Mockford, 2012a (biogeography).

*Lachesilla cladiumicola* Garcia Aldrete. North America (III): Mockford, 2012a (biogeography).

*Lachesilla contraforcepeta* Chapman. North America (III): Mockford, 2012a (biogeography). USA (III): Coots *et al.*, 2012a (ecol.), 2012b (ecol.).

*Lachesilla corona* Chapman. North America (III): Mockford, 2012a (biogeography). USA (III): Coots *et al.*, 2012a (ecol.).

*Lachesilla cuala* Garcia Aldrete. North America (III): Mockford, 2012a (biogeography).

*Lachesilla cupressicola* Garcia Aldrete. North America (III): Mockford, 2012a (biogeography).

*Lachesilla curvipila* Garcia Aldrete. North America (III): Mockford, 2012a (biogeography).

*Lachesilla delta* Garcia Aldrete. North America (III): Mockford, 2012a (biogeography).

*Lachesilla denticulata* Garcia Aldrete. North America (III): Mockford, 2012a (biogeography).

*Lachesilla dimorpha* Lienhard. Spain (I): Baz, 2003.

*Lachesilla dispariforceps* Mockford. North America (III): Mockford, 2012a (biogeography).

*Lachesilla dividiforceps* Garcia Aldrete. North America (III): Mockford, 2012a (biogeography).

*Lachesilla dona* Sommerman. North America (III): Mockford, 2012a (biogeography).  
*Lachesilla floridana* Garcia Aldrete. North America (III): Mockford, 2012a (biogeography).  
*Lachesilla forcepeta* Chapman. North America (III): Mockford, 2012a (biogeography). USA (III): Coots *et al.*, 2012a (ecol.).  
*Lachesilla fuscipalpis* Badonnel. North America (III): Mockford, 2012a (biogeography).  
*Lachesilla gracilis* Garcia Aldrete. North America (III): Mockford, 2012a (biogeography).  
*Lachesilla greeni* (Pearman). North America (III): Mockford, 2012a (biogeography).  
*Lachesilla hermosa* Garcia Aldrete. North America (III): Mockford, 2012a (biogeography).  
*Lachesilla huasteca* Mockford, 2002. North America (III): Mockford, 2012a (biogeography).  
*Lachesilla jeanae* Sommerman. North America (III): Mockford, 2012a (biogeography).  
*Lachesilla juniperana* Garcia Aldrete. North America (III): Mockford, 2012a (biogeography).  
*Lachesilla kathrynae* Mockford & Gurney. North America (III): Mockford, 2012a (biogeography).  
*Lachesilla kola* Sommerman. North America (III): Mockford, 2012a (biogeography).  
*Lachesilla lacinosiforceps* Garcia Aldrete. North America (III): Mockford, 2012a (biogeography).  
*Lachesilla major* Chapman. North America (III): Mockford, 201a2 (biogeography). USA (III): Coots *et al.*, 2012a (ecol.).  
*Lachesilla merzi* Lienhard. Spain (I): Baz, 2003.  
*Lachesilla michiliensis* Garcia Aldrete. North America (III): Mockford, 2012a (biogeography).  
*Lachesilla monticola* Garcia Aldrete. North America (III): Mockford, 2012a (biogeography).  
*Lachesilla neoleonensis* Garcia Aldrete. North America (III): Mockford, 2012a (biogeography).  
*Lachesilla nita* Sommerman. North America (III): Mockford, 2012a (biogeography).  
*Lachesilla nubilis* (Aaron). North America (III): Mockford, 2012a (biogeography). USA (III): Coots *et al.*, 2012a (ecol.).  
*Lachesilla nubiloides* Garcia Aldrete. North America (III): Mockford, 2012a (biogeography).  
*Lachesilla otomi* Mockford, 2002. North America (III): Mockford, 2012a (biogeography).  
*Lachesilla pacifica* Chapman. Switzerland (I): Lienhard, 2012b. North America (III): Mockford, 2012a (biogeography).  
*Lachesilla pallida* (Chapman). North America (III): Mockford, 2012a (biogeography).  
*Lachesilla pedicularia* (Linnaeus). Germany (I): Tamm, 1982; Willig, 2002; Schneider *et al.*, 2012. Spain (I): Baz, 2003. Switzerland (I): Lienhard, 2012b. North America (III): Mockford, 2012a (biogeography). USA (III): Coots *et al.*, 2012a (ecol.).  
*Lachesilla penta* Sommerman. North America (III): Mockford, 2012a (biogeography).  
*Lachesilla perezi* Garcia Aldrete. North America (III): Mockford, 2012a (biogeography).  
*Lachesilla picticeps* Mockford. North America (III): Mockford, 2012a (biogeography).  
*Lachesilla pinicola* Garcia Aldrete. North America (III): Mockford, 2012a (biogeography).  
*Lachesilla punctata* (Banks). North America (III): Mockford, 2012a (biogeography).  
*Lachesilla quercus* (Kolbe). Germany (I): Tamm, 1982; Willig, 2002; Schneider *et al.*, 2012. Russia (I): Golub, 2007 (ecol.). Spain (I): Baz, 2003. Switzerland (I): Lienhard, 2012b. North America (III): Mockford, 2012a (biogeography).  
*Lachesilla querpina* Garcia Aldrete. North America (III): Mockford, 2012a (biogeography).  
*Lachesilla regiomontana* Garcia Aldrete. North America (III): Mockford, 2012a (biogeography).  
*Lachesilla rena* Sommerman. North America (III): Mockford, 2012a (biogeography).  
*Lachesilla riegei* Sommerman. North America (III): Mockford, 2012a (biogeography).  
*Lachesilla rossica* Roesler. Switzerland (I): Lienhard, 2012b.  
*Lachesilla rufa* (Walsh). North America (III): Mockford, 2012a (biogeography). USA (III): Coots *et al.*, 2012a (ecol.), 2012b (ecol.).  
*Lachesilla sommermanae* Garcia Aldrete. North America (III): Mockford, 2012a (biogeography).  
*Lachesilla sulcata* Garcia Aldrete. North America (III): Mockford, 2012a (biogeography).  
*Lachesilla tectorum* Badonnel. North America (III): Mockford, 2012a (biogeography).  
*Lachesilla texana* Mockford & Garcia Aldrete, 2010. North America (III): Mockford, 2012a (biogeography).  
*Lachesilla texcocana* Garcia Aldrete. North America (III): Mockford, 2012a (biogeography).  
*Lachesilla tropica* Garcia Aldrete. North America (III): Mockford, 2012a (biogeography).

- Lachesilla typhicola* Garcia Aldrete. North America (III): Mockford, 2012a (biogeography).  
*Lachesilla ultima* Garcia Aldrete. North America (III): Mockford, 2012a (biogeography).  
*Lachesilla yakima* Mockford & Garcia Aldrete. North America (III): Mockford, 2012a (biogeography).  
*Lachesilla yucateca* Mockford, 2002. North America (III): Mockford, 2012 (biogeography).  
*Nanolachesilla chelata* Mockford & Sullivan. North America (III): Mockford, 2012a (biogeography).  
*Nanolachesilla hirundo* Mockford & Sullivan. North America (III): Mockford, 2012a (biogeography).  
*Prolachesilla mexicana* Mockford & Sullivan. North America (III): Mockford, 2012a (biogeography).  
*Prolachesilla terricola* Mockford & Sullivan. North America (III): Mockford, 2012a (biogeography).

### **Lachesillidae (Add. 13)**

- 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 carpintero* 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 convexicornis* 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 laciniosiforceps* Garcia Aldrete. Mexico (IV): Garcia Aldrete, 2011c, 2011d.  
*Lachesilla lapadoce*\* Garcia Aldrete & Silva Neto, 2013: 394 (assigned to *andra* group). Brazil, Paraguay (V).  
*Lachesilla laniata* 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 hirundooides* 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.

#### **Lachesillidae (Add. 14)**

Yoshizawa & Johnson, 2014: Phylogeny, tentatively maintained as valid family, monophyly not supported.

*Acantholachesilla*\*\* Garcia Aldrete, Saenz Manchola & Gonzalez Obando, 2014: 568. Gender: F. Type species: *Acantholachesilla saltoensis* Garcia Aldrete, Saenz Manchola & Gonzalez Obando. Genus assigned to Eolachesillinae: Graphocaeciliini; relationships to the genera *Dagualachesilla* and *Dagualachesilloides* discussed.

*Acantholachesilla saltoensis*\* Garcia Aldrete, Saenz Manchola & Gonzalez Obando, 2014: 568. Colombia (V).

*Dagualachesilla anchicayaensis* Garcia Aldrete, Gonzalez Obando & Carrejo, 2013a. Fig.: Lopez, 2015 (habitus photograph).

*Dagualachesilla queremalensis* Garcia Aldrete, Gonzalez Obando & Carrejo, 2013a. Fig.: Lopez, 2015 (forewing photograph).

*Graphocaecilius* spec. Brazil (V): Silva Neto *et al.*, 2014a.

*Hemicaecilius nicolasi* Garcia Aldrete, Gonzalez Obando & Carrejo, 2012. Fig.: Lopez, 2015 (habitus photograph).

*Lachesilla* Westwood. Diagnosis of *palmera* species group, with list of species included: Garcia Aldrete, 2014a: 738.

*Lachesilla* spec. Brazil (V): Silva Neto *et al.*, 2014a. Colombia (V): Sarria *et al.*, 2014a, 2014b.

*Lachesilla cesarcardonai* Garcia Aldrete, Gonzalez Obando & Saldaña, 2013. Fig.: Lopez, 2015 (habitus photograph).

*Lachesilla cladoclaspers*\* Garcia Aldrete & Silva Neto, 2014: 7 (assigned to *riegeli* group). Brazil (V).

*Lachesilla cuala* Garcia Aldrete. Paraguay (V): Garcia Aldrete, 2014a.

*Lachesilla diamantina* Garcia Aldrete & Silva Neto, 2013. Brazil (V): Silva Neto *et al.*, 2014a.

*Lachesilla lapadoce* Garcia Aldrete & Silva Neto, 2013. Brazil (V): Silva Neto *et al.*, 2014a. Paraguay (V): Garcia Aldrete, 2014a.

*Lachesilla lugoi*\* Garcia Aldrete, 2014a: 737 (belonging to *pedicularia* species group). Paraguay (V).

*Lachesilla mattogrossensis* Garcia Aldrete. Paraguay (V): Garcia Aldrete, 2014a.

*Lachesilla nilopecanhensis*\* Garcia Aldrete & Silva Neto, 2014: 9 (assigned to *forcepeta* group). Brazil (V).

*Lachesilla pedicularia* (Linnaeus). Germany (I): Büchs, 1988 (ecol.); Blick & Dorow, 2014a, 2014b.

*Lachesilla pereirorum* Garcia Aldrete, 2004d. Paraguay (V): Garcia Aldrete, 2014a.

*Lachesilla rugosa* Garcia Aldrete. Paraguay (V): Garcia Aldrete, 2014a.

*Lachesilla tanaidana* Roesler. Russia (I): Golub & Golub, 2013.

*Lachesilla tectorum* Badonnel. Paraguay (V): Garcia Aldrete, 2014a.

*Lachesilla yucateca* Mockford, 2002a. Description of male: Mockford & Young, 2014: 126. USA: Texas (III).

*Lachesilla zuninoi*\* Garcia Aldrete, 2014b: 95 (assigned to *corona* group). Mexico (IV).

*Lachesilla zuninoides*\* Garcia Aldrete, 2014b: 96 (assigned to *corona* group). Mexico (IV).

#### **Lachesillidae (Add. 15)**

*Lachesilla* Westwood. Key to several species of the *pedicularia* group and their distribution: Saenz Manchola *et al.*, 2015.

*Lachesilla* spec. (spec. Q-7 of species group Q). Mexico (IV): Garcia Aldrete, 2015a.

*Lachesilla abiesicola* Garcia Aldrete. Mexico (IV): Garcia Aldrete, 2015a.

*Lachesilla asymmetriproctus* Garcia Aldrete, 2008b. Colombia (V): Saenz Manchola *et al.*, 2015.

*Lachesilla bernardi* Badonnel. Malta (I): Lienhard & Mifsud, 2015.

*Lachesilla chamula* Garcia Aldrete. Mexico (IV): Garcia Aldrete, 2015b.

*Lachesilla contrerasi*\* Garcia Aldrete, 2015a: 10. Mexico (IV).

*Lachesilla curviforceps* Garcia Aldrete. Mexico (IV): Garcia Aldrete, 2015b.

*Lachesilla curvipila* Garcia Aldrete. Mexico (IV): Garcia Aldrete, 2015a.  
*Lachesilla dimorpha* Lienhard. Malta (I): Lienhard & Mifsud, 2015.  
*Lachesilla dispariforceps* Mockford. Mexico, Guatemala (IV): Garcia Aldrete, 2015b.  
*Lachesilla dividiforceps* Garcia Aldrete. Mexico (IV): Garcia Aldrete, 2015b.  
*Lachesilla dona* Sommerman. Mexico (IV): Garcia Aldrete, 2015a.  
*Lachesilla fuscipalpis* Badonnel. Mexico (IV): Garcia Aldrete, 2015a.  
*Lachesilla gomezariasensis*\* Garcia Aldrete, 2015b: 153. Mexico (IV).  
*Lachesilla gurneyi* Garcia Aldrete. Mexico (IV): Garcia Aldrete, 2015a.  
*Lachesilla hermosa* Garcia Aldrete. Mexico (IV): Garcia Aldrete, 2015b.  
*Lachesilla huitoto*\* Saenz Manchola, Garcia Aldrete & Gonzalez Obando, 2015: 513. Colombia (V).  
*Lachesilla ixtlanensis* Garcia Aldrete & Casasola Gonzalez, 2012. Mexico (IV): Garcia Aldrete, 2015b.  
*Lachesilla jacalaensis*\* Garcia Aldrete, 2015b: 154. Mexico (IV).  
*Lachesilla lachataoensis* Garcia Aldrete & Casasola Gonzalez, 2012. Mexico (IV): Garcia Aldrete, 2015b.  
*Lachesilla lacustrina*\* Garcia Aldrete, 2015b: 154. Mexico (IV).  
*Lachesilla michiliensis* Garcia Aldrete. Mexico (IV), USA: Texas (III): Garcia Aldrete, 2015b.  
*Lachesilla moroni*\* Garcia Aldrete, 2015b: 154. Mexico (IV).  
*Lachesilla neoleonensis* Garcia Aldrete. Mexico (IV): Garcia Aldrete, 2015b.  
*Lachesilla omitlanensis*\* Garcia Aldrete, 2015b: 155. Mexico (IV).  
*Lachesilla pedicularia* (Linnaeus). Finland (I): Salmela *et al.*, 2015. Greenland (I): Svensson, 2015. Malta (I): Lienhard & Mifsud, 2015. Mexico (IV): Garcia Aldrete, 2015a.  
*Lachesilla picticeps* Mockford. Mexico (IV): Garcia Aldrete, 2015a, 2015b.  
*Lachesilla picticepsoides* Garcia Aldrete. Mexico (IV), Colombia, Ecuador (V): Garcia Aldrete, 2015b.  
*Lachesilla punctata* (Banks). Mexico (IV): Garcia Aldrete, 2015a.  
*Lachesilla putumayensis*\* Saenz Manchola, Garcia Aldrete & Gonzalez Obando, 2015: 512. Colombia (V).  
*Lachesilla quercus* (Kolbe). Finland (I): Salmela *et al.*, 2015. Iran (I): Gol *et al.*, 2015.  
*Lachesilla querpina* Garcia Aldrete. Mexico (IV): Garcia Aldrete, 2015b.  
*Lachesilla regiomontana* Garcia Aldrete. Mexico (IV): Garcia Aldrete, 2015b.  
*Lachesilla reyesi* Garcia Aldrete. Mexico (IV): Garcia Aldrete, 2015a, 2015b.  
*Lachesilla silvatica* Garcia Aldrete. Mexico (IV): Garcia Aldrete, 2015b.  
*Lachesilla simojovelensis*\* Garcia Aldrete, 2014c: 33. Mexico (IV).  
*Lachesilla tectorum* Badonnel. Mexico (IV): Garcia Aldrete, 2015a.  
*Lachesilla texcocana* Garcia Aldrete. Mexico (IV): Garcia Aldrete, 2015a.  
*Lachesilla tuita* Garcia Aldrete. Mexico (IV): Garcia Aldrete, 2015b.  
*Lachesilla unsijensis* Garcia Aldrete & Casasola Gonzalez, 2012. Mexico (IV): Garcia Aldrete, 2015b.  
*Lachesilla zuninoi* Garcia Aldrete, 2014b. Mexico (IV): Garcia Aldrete, 2015b.  
*Lachesilla zuninoides* Garcia Aldrete, 2014b. Mexico (IV): Garcia Aldrete, 2015b.  
*Prolachesilla mexicana* Mockford & Sullivan. Mexico (IV): Garcia Aldrete, 2015a.

#### **Lachesillidae (Add. 16)**

*Graphocaecilius* Endrlein. Key to species: Sandoval Arango *et al.*, 2016: 422.  
*Graphocaecilius mockfordi*\* Sandoval Arango, Gonzalez Obando & Garcia Aldrete, 2016: 423. Colombia (V).  
*Graphocaecilius sullivani*\* Sandoval Arango, Gonzalez Obando & Garcia Aldrete, 2016: 425. Colombia (V).  
*Graphocaecilius turneri*\* Sandoval Arango, Gonzalez Obando & Garcia Aldrete, 2016: 429. Colombia (V).  
*Lachesilla bernardi* Badonnel. Romania (I): Moldovan *et al.*, 2007.  
*Lachesilla greeni* (Pearman). Romania (I): Moldovan *et al.*, 2007.

- Lachesilla pedicularia* (Linnaeus). Albania (I): Lock, 2015. Czech Republic (I): Mazac, 2016 (eol.). Germany (I): Schmidt, 2015. Romania (I): Moldovan *et al.*, 2007. Russia (I): Golub, 2015. Japan (VIII): Yoshizawa, 2016c.
- Lachesilla quercus* (Kolbe). Albania (I): Lock, 2015. Germany (I): Schmidt, 2015. Malta (I): Lienhard & Mifsud, 2016. Romania (I): Moldovan *et al.*, 2007. Russia (I): Golub, 2015, 2016. Japan (VIII): Yoshizawa, 2016c.
- Lachesilla rossica* Roesler. Albania (I): Lock, 2015.
- Lachesilla tanaidana* Roesler. Romania (I): Moldovan *et al.*, 2007.

### **Lachesillidae (Add. 17)**

- Lachesilla* Westwood. Checklist of species of the *corona* group, with distribution: Garcia Aldrete, 2017b. Key to species of the *riegeli* group: Garcia Aldrete, 2017c. Total of described species in the genus is 339: Garcia Aldrete, 2017d: 226.
- Lachesilla anna* Sommerman. Phylog.: Yoshizawa *et al.*, 2017a (mitochondrial genome).
- Lachesilla batesi*\* Garcia Aldrete, 2017d: 202 (assigned to *corona* species group). Guatemala (IV).
- Lachesilla blandfordi*\* Garcia Aldrete, 2017d: 202 (assigned to *corona* species group). Guatemala (IV).
- Lachesilla brailovskyana*\* Garcia Aldrete, 2017b: 172 (assigned to *corona* species group). Mexico (IV).
- Lachesilla buenoi*\* Garcia Aldrete, 2017b: 172 (assigned to *corona* species group). Mexico (IV).
- Lachesilla cameroni*\* Garcia Aldrete, 2017d: 205 (assigned to *corona* species group). Mexico (IV).
- Lachesilla casazolai*\* Garcia Aldrete, 2016: 117 (assigned to *texcocana* species group). Mexico (IV).
- Lachesilla cercade*\* Garcia Aldrete, 2017b: 173 (assigned to *corona* species group). Mexico (IV).
- Lachesilla championi*\* Garcia Aldrete, 2017d: 205 (assigned to *corona* species group). Panama (IV).
- Lachesilla chiquitana*\* Garcia Aldrete, 2017c: 356 (assigned to *riegeli* species group). Bolivia (V).
- Lachesilla distanti*\* Garcia Aldrete, 2017d: 208 (assigned to *corona* species group). Mexico (IV).
- Lachesilla drucei*\* Garcia Aldrete, 2017d: 208 (assigned to *corona* species group). Mexico (IV).
- Lachesilla foreli*\* Garcia Aldrete, 2017d: 211 (assigned to *corona* species group). Mexico (IV).
- Lachesilla godmani*\* Garcia Aldrete, 2017d: 211 (assigned to *corona* species group). Mexico (IV).
- Lachesilla gorhami*\* Garcia Aldrete, 2017d: 212 (assigned to *corona* species group). Guatemala, Mexico (IV).
- Lachesilla horni*\* Garcia Aldrete, 2017d: 216 (assigned to *corona* species group). Guatemala (IV).
- Lachesilla jacobyi*\* Garcia Aldrete, 2017d: 216 (assigned to *corona* species group). Mexico (IV).
- Lachesilla pedicularia* (Linnaeus). Romania (I): Chiriliuc & Andriescu, 2016 (collected from dry hibernating stems by "Schmitz" photo selector). Korea (VIII): Soysouvanh *et al.*, 2017.
- Lachesilla quercus* (Kolbe). Bulgaria (I): Georgiev & Todorov, 2017.
- Lachesilla salvini*\* Garcia Aldrete, 2017d: 219 (assigned to *corona* species group). Guatemala (IV).
- Lachesilla sharpi*\* Garcia Aldrete, 2017d: 219 (assigned to *corona* species group). Guatemala (IV).
- Lachesilla walsinghami*\* Garcia Aldrete, 2017d: 222 (assigned to *corona* species group). Mexico, Guatemala (IV).
- Lachesilla waterhousi*\* Garcia Aldrete, 2017d: 222 (assigned to *corona* species group). Guatemala, Mexico (IV).
- Lachesilla willistoni*\* Garcia Aldrete, 2017d: 225 (assigned to *corona* species group). Costa Rica (IV).
- Prolachesilla* Mockford & Sullivan. Key to species (p. 441) and distribution (Fig. 26): Sandoval Arango *et al.*, 2017.

- Prolachesilla boliviana*\* Sandoval Arango, Gonzalez Obando & Garcia Aldrete, 2017: 441. Bolivia (V).
- Prolachesilla casazolai*\* Sandoval Arango, Gonzalez Obando & Garcia Aldrete, 2017: 442. Mexico (V).
- Prolachesilla casazolaoides*\* Sandoval Arango, Gonzalez Obando & Garcia Aldrete, 2017: 446. Mexico (V).
- Prolachesilla oaxacana*\* Sandoval Arango, Gonzalez Obando & Garcia Aldrete, 2017: 446. Mexico (V).

#### **Lachesillidae (Add. 18)**

- 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, 2018a. 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 laciniosiforceps* Garcia Aldrete. Colombia (V): Garcia Aldrete *et al.*, 2018 (ca. *laciniosiforceps*).

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

*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.

### **Lachesillidae (Add. 19)**

Canada (III): Anonby, 2019 (16 species of Lachesillidae known from Canada, not listed).

Phylogeny of *Lachesilla* and Lachesillinae: Saenz Manchola *et al.*, 2019.

*Ectolachesilla ariasi* Garcia Aldrete, 2008a. Phylog.: Saenz Manchola *et al.*, 2019.

*Hemicaecilius cuzcoensis* Garcia Aldrete & Mockford, 2011b. Phylog.: Saenz Manchola *et al.*, 2019.

*Hemicaecilius smithersi* Garcia Aldrete, Gonzalez Obando & Carrejo, 2012. Phylog.: Saenz Manchola *et al.*, 2019.

*Lachesilla* spec. Phylog.: Saenz Manchola *et al.*, 2019.

*Lachesilla ariasi* Garcia Aldrete, 2004e. Phylog.: Saenz Manchola *et al.*, 2019.

*Lachesilla bicornata* New & Thornton. Data about type material: Silva Neto *et al.*, 2019b. Phylog.: Saenz Manchola *et al.*, 2019.

*Lachesilla bifurcata* Garcia Aldrete. Phylog.: Saenz Manchola *et al.*, 2019.

*Lachesilla carinata* Garcia Aldrete. Phylog.: Saenz Manchola *et al.*, 2019.

*Lachesilla centralis* Garcia Aldrete. Phylog.: Saenz Manchola *et al.*, 2019.

*Lachesilla cintalapa* Garcia Aldrete. Phylog.: Saenz Manchola *et al.*, 2019.

*Lachesilla corona* Chapman. Phylog.: Saenz Manchola *et al.*, 2019.

*Lachesilla cupressicola* Garcia Aldrete. Phylog.: Saenz Manchola *et al.*, 2019.

*Lachesilla curvipila* Garcia Aldrete. Phylog.: Saenz Manchola *et al.*, 2019.

*Lachesilla dentata* Garcia Aldrete & Mockford, 2010. Phylog.: Saenz Manchola *et al.*, 2019.

*Lachesilla falcata* Garcia Aldrete. Phylog.: Saenz Manchola *et al.*, 2019.

*Lachesilla falcicula* Badonnel. Phylog.: Saenz Manchola *et al.*, 2019.

*Lachesilla forcepeta* Chapman. Phylog.: Saenz Manchola *et al.*, 2019.

*Lachesilla fuscipalpis* Badonnel. Phylog.: Saenz Manchola *et al.*, 2019.

*Lachesilla guayaquilensis* Garcia Aldrete. Phylog.: Saenz Manchola *et al.*, 2019.

*Lachesilla hermosa* Garcia Aldrete. Phylog.: Saenz Manchola *et al.*, 2019.

*Lachesilla huitoto* Saenz Manchola, Garcia Aldrete & Gonzalez Obando, 2015. Phylog.: Saenz Manchola *et al.*, 2019.

*Lachesilla magnifica* Garcia Aldrete. Phylog.: Saenz Manchola *et al.*, 2019.

*Lachesilla marginata* New & Thornton. Data about type material: Silva Neto *et al.*, 2019b.

*Lachesilla mexicana* Garcia Aldrete. Phylog.: Saenz Manchola *et al.*, 2019.

*Lachesilla monticola* Garcia Aldrete. Phylog.: Saenz Manchola *et al.*, 2019.

*Lachesilla newi* Garcia Aldrete. Phylog.: Saenz Manchola *et al.*, 2019.

*Lachesilla palmicola* Garcia Aldrete. Phylog.: Saenz Manchola *et al.*, 2019.

*Lachesilla pedicularia* (Linnaeus). Armenia (I): Golub, 2019. Bulgaria (I): Georgiev, 2019; Georgiev & Ivanova, 2019c. Phylog.: Saenz Manchola *et al.*, 2019.

*Lachesilla pereirorum* Garcia Aldrete, 2004d. Phylog.: Saenz Manchola *et al.*, 2019.

*Lachesilla picticeps* Mockford. Phylog.: Saenz Manchola *et al.*, 2019.

*Lachesilla punctata* (Banks). Phylog.: Saenz Manchola *et al.*, 2019.

*Lachesilla quercus* (Kolbe). Armenia (I): Golub, 2019.

*Lachesilla riegei* Sommerman. Phylog.: Saenz Manchola *et al.*, 2019.

*Lachesilla rufa* (Walsh). Phylog.: Saenz Manchola *et al.*, 2019.

*Lachesilla sclera* New & Thornton. Data about type material: Silva Neto *et al.*, 2019b.

*Lachesilla sulcata* Garcia Aldrete. Phylog.: Saenz Manchola *et al.*, 2019.

*Lachesilla tehuautlensis* Garcia Aldrete. Phylog.: Saenz Manchola *et al.*, 2019.

*Lachesilla texcocana* Garcia Aldrete. Phylog.: Saenz Manchola *et al.*, 2019.

*Lachesilla tlapaensis* Garcia Aldrete, 2007b. Phylog.: Saenz Manchola *et al.*, 2019.

*Lachesilla tropica* Garcia Aldrete. Phylog.: Saenz Manchola *et al.*, 2019.

*Lachesilla valvula* New & Thornton. Data about type material: Silva Neto *et al.*, 2019b.

*Lachesilla veneper* Garcia Aldrete. Phylog.: Saenz Manchola *et al.*, 2019.

*Lachesilla xalapensis* Garcia Aldrete, 2001e. Phylog.: Saenz Manchola *et al.*, 2019.

*Nadleria* spec. Phylog.: Saenz Manchola *et al.*, 2019.

*Nadleria mariateresae* Garcia Aldrete. Phylog.: Saenz Manchola *et al.*, 2019.

*Waoraniella jarlinsoni* Saenz Manchola, Gonzalez Obando & Garcia Aldrete, 2018. Phylog.: Saenz Manchola *et al.*, 2019.

### **Lachesillidae (Add. 20)**

Checklist of species recorded from Brazil (V): Silva-Neto & Garcia Aldrete, 2020.

Key to genera of Graphocaeciliini: Gonzalez-Obando *et al.*, 2020c.

***Garcialdretiella*\*\*** Gonzalez-Obando, Sandoval-Arango, & Carrejo-Gironza, 2020c: 120.

Gender: F. Type species: *Garcialdretiella munchiquensis* Gonzalez-Obando, Sandoval-Arango, & Carrejo-Gironza, 2020c.

***Garcialdretiella munchiquensis*\*** Gonzalez-Obando, Sandoval-Arango, & Carrejo-Gironza, 2020c: 120. Colombia (V).

***Lachesilla albbrookensis*\*** Garcia Aldrete & Silva Neto, 2020: 50. Panama (IV).

***Lachesilla anura*** Badonnel. First description of male, redescription of female: Lienhard, 2020c. Yemen (I), Mozambique (VI).

[Not "*Lachesilla anura* (?)", male. Badonnel, 1948a: 85 (misidentification). See *Lachesilla guineensis* Lienhard, 2020c: 169.]

***Lachesilla bernardi*** Badonnel. Bulgaria (I): Georgiev, 2020b, 2020c. Greece (I): Georgiev, 2020a.

***Lachesilla cladoclasters*** Garcia Aldrete & Silva Neto, 2014. Deposition of type material: Silva Ferreira *et al.*, 2020.

***Lachesilla concaensis*\*** Garcia Aldrete & Silva Neto, 2020: 51. Mexico (IV).

***Lachesilla diamantina*** Garcia Aldrete & Silva Neto, 2013. Deposition of type material: Silva Ferreira *et al.*, 2020.

***Lachesilla dimorpha*** Lienhard. Greece (I): Georgiev, 2020a.

***Lachesilla grandis*** Badonnel. First description of male, redescription of female: Lienhard, 2020c. Yemen (I), Mozambique (VI).

***Lachesilla guineensis*\*** Lienhard, 2020c: 169. Guinea (VI).

"*Lachesilla anura* (?)", male. Badonnel, 1948a: 85 (misidentification). See Lienhard, 2020c: 169.

***Lachesilla herediana*\*** Garcia Aldrete & Silva Neto, 2020: 52. Costa Rica (IV).

***Lachesilla lapadoce*** Garcia Aldrete & Silva Neto, 2013. Deposition of type material: Silva Ferreira *et al.*, 2020.

***Lachesilla nilopecanhensis*** Garcia Aldrete & Silva Neto, 2014. Deposition of type material: Silva Ferreira *et al.*, 2020.

***Lachesilla odontiforceps*\*** Garcia Aldrete & Silva Neto, 2020: 53. Costa Rica, Panama (IV).

***Lachesilla oriximinaensis*\*** Garcia Aldrete & Silva Neto, 2020: 55. Brazil (V).

***Lachesilla pedicularia*** (Linnaeus). Bulgaria (I): Georgiev, 2020b, 2020c.

***Lachesilla quercus*** (Kolbe). Bulgaria (I): Georgiev, 2020b, 2020c.

***Lachesilla raravis*\*** Garcia Aldrete & Silva Neto, 2020: 56. Costa Rica (IV).

***Lachesilla tenuidenticulata*\*** Garcia Aldrete & Silva Neto, 2020: 57. Panama, Guatemala, Mexico (IV).

***Lachesilla ticana*\*** Garcia Aldrete & Silva Neto, 2020: 60. Costa Rica (IV).

### **PERIPSOCIDAE (Add. 11-20)**

#### **Peripsocidae (Add. 11)**

***Peripsocus alboguttatus*** (Dalman). Finland (I): Kanervo, 2010. Germany (I): Günther & Lienhard, 2011. Greece (I): Hollier *et al.*, 2011.

***Peripsocus bivari*** Baz. Azores (II): Baz, 2010.

***Peripsocus consobrinus*** Pearman. Finland (I): Kanervo, 2010; Kanervo & Söderman, 2010 (species on Red List).

***Peripsocus decellei*** Badonnel. Saint Helena (II): Mendel *et al.*, 2008; Lienhard & Ashmole, 2011.

***Peripsocus didymus*** Roesler. Finland (I): Kanervo, 2010. Germany (I): Günther & Lienhard, 2011.

***Peripsocus leleupi*** Badonnel. Ascension Island (II): Lienhard & Ashmole, 2011. Saint Helena (II): Ashmole & Ashmole, 2004; Mendel *et al.*, 2008; Lienhard & Ashmole, 2011.

- Peripsocus milleri* (Tillyard). Azores (II): Baz, 2010.  
*Peripsocus parvulus* Kolbe. Finland (I): Kanervo, 2010. Germany (I): Günther & Lienhard, 2011.  
*Peripsocus pauliani* Badonnel. Ascension Island (II): Lienhard & Ashmole, 2011. Saint Helena (II): Mendel *et al.*, 2008; Lienhard & Ashmole, 2011.  
*Peripsocus phaeopterus* (Stephens). Finland (I): Kanervo, 2010. Germany (I): Günther & Lienhard, 2011. Greece (I): Hollier *et al.*, 2011. Azores (II): Baz, 2010.  
*Peripsocus subfasciatus* (Rambur). Finland (I): Kanervo, 2010. Germany (I): Günther & Lienhard, 2011. Azores (II): Baz, 2010.

#### **Peripsocidae (Add. 12)**

- Kaestneriella fumosa* (Banks). North America (III): Mockford, 2012a (biogeography).  
*Kaestneriella tenebrosa* Mockford & Sullivan. North America (III): Mockford, 2012a (biogeography).  
*Peripsocus* spec. Galapagos (X): Peck, 2012.  
*Peripsocus alachuae* Mockford. North America (III): Mockford, 2012a (biogeography).  
*Peripsocus alboguttatus* (Dalman). Russia (I): Golub, 2007 (ecol.). Switzerland (I): Lienhard, 2012b. North America (III): Mockford, 2012a (biogeography). USA (III): Coots *et al.*, 2012a (ecol.), 2012b (ecol.).  
*Peripsocus consobrinus* Pearman. Finland (I): Kanervo, 2011 (fig.); Silfverberg, 2012.  
*Peripsocus didymus* Roesler. Germany (I): Schneider *et al.*, 2012. Switzerland (I): Lienhard, 2012b.  
*Peripsocus fici* Smithers. Australia (IX): Gunawardene *et al.*, 2012.  
*Peripsocus maculosus* Mockford. North America (III): Mockford, 2012a (biogeography). USA (III): Coots *et al.*, 2012a (ecol.), 2012b (ecol.).  
*Peripsocus madescens* (Walsh). North America (III): Mockford, 2012a (biogeography).  
*Peripsocus madidus* (Hagen). North America (III): Mockford, 2012a (biogeography). USA (III): Coots *et al.*, 2012a (ecol.), 2012b (ecol.).  
*Peripsocus milleri* (Tillyard). Great Britain (I): Alexander, 2010, 2011a. Spain (I): Mederos-Lopez & Baz Ramos, 2012. North America (III): Mockford, 2012a (biogeography).  
*Peripsocus minimus* Mockford. North America (III): Mockford, 2012a (biogeography).  
*Peripsocus parvulus* Kolbe. Germany (I): Schneider *et al.*, 2012. Switzerland (I): Lienhard, 2012b.  
*Peripsocus pauliani* Badonnel. North America (III): Mockford, 2012a (biogeography). Galapagos (X): Peck, 2012.  
*Peripsocus phaeopterus* (Stephens). Germany (I): Schneider *et al.*, 2012. Russia (I): Golub, 2007 (ecol.). Spain (I): Mederos-Lopez & Baz Ramos, 2012. Switzerland (I): Lienhard, 2012b. North America (III): Mockford, 2012a (biogeography).  
*Peripsocus potosi* Mockford. North America (III): Mockford, 2012a (biogeography). Galapagos (X): Peck, 2012.  
*Peripsocus stagnivagus* Chapman. North America (III): Mockford, 2012a (biogeography). USA (III): Coots *et al.*, 2012a (ecol.). Galapagos (X): Peck, 2012.  
*Peripsocus subfasciatus* (Rambur). Germany (I): Willig, 2002; Schneider *et al.*, 2012. Russia (I): Golub, 2007 (ecol.). Switzerland (I): Lienhard, 2012b. North America (III): Mockford, 2012a (biogeography). USA (III): Coots *et al.*, 2012a (ecol.), 2012b (ecol.).  
*Peripsocus umbrosus* Navas, 1911. Spain (I): Baz, 2003 (only Navas' record mentioned, nomen dubium).

#### **Peripsocidae (Add. 13)**

- 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.).

#### **Peripsocidae (Add. 14)**

- Yoshizawa & Johnson, 2014: Phylogeny, family status confirmed.
- Kaestneriella* spec. Colombia (V): Sarria *et al.*, 2014a, 2014b.
- Kaestneriella ecuatoriana* Garcia Aldrete. Colombia (V): Sarria *et al.*, 2014a.
- Peripsocus* spec. Brazil (V): Silva Neto *et al.*, 2014a. Colombia (V): Sarria *et al.*, 2014a, 2014b.
- Peripsocus alboguttatus* (Dalman). Bulgaria (I): Sziraki, 2013.
- Peripsocus didymus* Roesler. Germany (I): Blick & Dorow, 2014a, 2014b. Great Britain (I): Alexander, 2013b.
- Peripsocus fici* Smithers. Australia (Barrow Island) (IX): Gunawardene *et al.*, 2012.
- Peripsocus parvulus* Kolbe. Germany (I): Büchs, 1988 (ecol.); Blick & Dorow, 2014a, 2014b.
- Peripsocus phaeopterus* (Stephens). Bulgaria, Greece (I): Sziraki, 2013. Germany (I): Blick & Dorow, 2014a, 2014b.
- Peripsocus subfasciatus* (Rambur). Bulgaria (I): Sziraki, 2013. Germany (I): Blick & Dorow, 2014a, 2014b.

#### **Peripsocidae (Add. 15)**

- Peripsocus alboguttatus* (Dalman). Finland (I): Salmela *et al.*, 2015.
- Peripsocus didymus* Roesler. Finland (I): Salmela *et al.*, 2015.
- Peripsocus milleri* (Tillyard). Great Britain (I): Alexander, 2014.
- Peripsocus stagnivagus* Chapman. Description of first Palaearctic male: Lienhard & Mifsud, 2015: 256. Malta (I).  
*Peripsocus bivari* Baz. **Synonymy:** Lienhard & Mifsud, 2015: 256.  
*Peripsocus leleupi* Badonnel. **Synonymy:** Lienhard & Mifsud, 2015: 256.

#### **Peripsocidae (Add. 16)**

- Peripsocus alboguttatus* (Dalman). Albania (I): Lock, 2015. Czech Republic (I): Mazac, 2016 (ecol.). Germany (I): Schmidt, 2015. Romania (I): Moldovan *et al.*, 2007. Russia (I): Golub, 2015, 2016.
- Peripsocus didymus* Roesler. Czech Republic (I): Mazac, 2016 (ecol.). Germany (I): Schmidt, 2015. Romania (I): Moldovan *et al.*, 2007. Japan (VIII): Yoshizawa, 2016c.
- Peripsocus hongkongensis* Thornton & Wong. Japan (VIII): Yoshizawa, 2016c.
- Peripsocus ignis* Okamoto. Japan (VIII): Yoshizawa, 2016c.
- Peripsocus parvulus* Kolbe. Czech Republic (I): Mazac, 2016 (ecol.). Germany (I): Schmidt, 2015. Romania (I): Moldovan *et al.*, 2007. Russia (I): Golub, 2016.
- Peripsocus pauliani* Badonnel. Japan (VIII): Yoshizawa, 2016c.
- Peripsocus phaeopterus* (Stephens). Czech Republic (I): Mazac, 2016 (ecol.). Germany (I): Schmidt, 2015. Great Britain (I): Alexander, 2016. Romania (I): Moldovan *et al.*, 2007. Russia (I): Golub, 2015, 2016. Japan (VIII): Yoshizawa, 2016c.

*Peripsocus pumilus* Enderlein. Japan (VIII): Yoshizawa, 2016c.  
*Peripsocus quercicola* Enderlein. Japan (VIII): Yoshizawa, 2016c.  
*Peripsocus stagnivagus* Chapman. Germany (I): Schmidt, 2015 (in greenhouse, fig.).  
*Peripsocus subfasciatus* (Rambur). Czech Republic (I): Mazac, 2016 (ecol.). Germany (I): Schmidt, 2015. Great Britain (I): Alexander, 2016. Netherlands (I): Franken & Berg, 2016. Romania (I): Moldovan *et al.*, 2007; Sziraki, 2016. Russia (I): Golub, 2015, 2016. Biol: Vershinina & Kuznetsova, 2016 (parthenogenesis).

#### **Peripsocidae (Add. 17)**

*Peripsocus didymus* Roesler. Bulgaria (I): Georgiev, 2017d. Korea (VIII): Soysouvanh *et al.*, 2017.  
*Peripsocus quercicola* Enderlein. Morph.: Ogawa & Yoshizawa, 2017b (in-flight wing-coupling structure).

#### **Peripsocidae (Add. 18)**

*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 stigmapophysis); 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.

#### **Peripsocidae (Add. 19)**

Canada (III): Anonby, 2019 (6 species of Peripsocidae known from Canada, not listed).  
*Peripsocus alboguttatus* (Dalman). Bulgaria (I): Georgiev, 2019.  
*Peripsocus parvulus* Kolbe. Armenia (I): Golub, 2019.  
*Peripsocus phaeopterus* (Stephens). Armenia (I): Golub, 2019. Cytol., Genet.: Golub *et al.*, 2019 (chromosomes).

#### **Peripsocidae (Add. 20)**

Checklist of species recorded from Brazil (V): Silva-Neto & Garcia Aldrete, 2020.  
*Peripsocus alboguttatus* (Dalman). Bulgaria (I): Georgiev, 2020b, 2020c.  
*Peripsocus didymus* Roesler. Bulgaria (I): Georgiev, 2020c.  
*Peripsocus milleri* (Tillyard). Luxembourg (I): Lock & Van Butsel, 2020.  
*Peripsocus phaeopterus* (Stephens). Bulgaria (I): Georgiev, 2020b, 2020c.  
*Peripsocus subfasciatus* (Rambur). Bulgaria (I): Georgiev, 2020c.

### **ECTOPSOCIDAE (Add. 11-20)**

#### **Ectopsocidae (Add. 11)**

*Ectopsocopsis cryptomeriae* (Enderlein). Germany (I): Günther & Lienhard, 2011. Greece (I): Hollier *et al.*, 2011.  
*Ectopsocopsis xerophylla* Vishnyakova. Greece (I): Hollier *et al.*, 2011.  
*Ectopsocus axillaris* (Smithers). Great Britain (I): Alexander, 2009b.  
*Ectopsocus briggsi* McLachlan. Finland (I): Kanervo, 2010; Kanervo & Söderman, 2010 (species on Red List). Germany (I): Günther & Lienhard, 2011. Greece (I): Hollier *et al.*, 2011. Azores (II): Baz, 2010. Saint Helena (II): Mendel *et al.*, 2008; Lienhard & Ashmole, 2011.  
*Ectopsocus californicus* (Banks). Colombia (V): Sarria, 2011.

*Ectopsocus meridionalis* Ribaga. Germany (I): Günther & Lienhard, 2011. Greece (I): Hollier *et al.*, 2011.  
*Ectopsocus pumilis* (Banks). Azores (II): Baz, 2010.  
*Ectopsocus richardsi* (Pearman). Azores (II): Baz, 2010.  
*Ectopsocus strauchi* Enderlein. Ascension Island (II): Lienhard & Ashmole, 2011. Azores (II): Baz, 2010. Saint Helena (II): Mendel *et al.*, 2008; Lienhard & Ashmole, 2011.  
*Ectopsocus titschacki* Jentsch. Germany (I): Günther & Lienhard, 2011. Dominica (IV): Garcia Aldrete, 2011a. Colombia (V): Sarria, 2011.  
*Ectopsocus vachoni* Badonnel. Greece (I): Hollier *et al.*, 2011.

### **Ectopsocidae (Add. 12)**

Ectopsocidae gen. spec. Australia (IX): Gunawardene *et al.*, 2012.  
*Ectopsocopsis cryptomeriae* (Enderlein). Spain (I): Baz, 2003. Switzerland (I): Lienhard, 2012b. North America (III): Mockford, 2012a (biogeography). USA (III): Coots *et al.*, 2012a (ecol.), 2012b (ecol.).  
*Ectopsocopsis decorata* (Thornton & Wong). North America (III): Mockford, 2012a (biogeography).  
*Ectopsocus* spec. Australia (IX): Gunawardene *et al.*, 2012. Galapagos (X): Peck, 2012.  
*Ectopsocus briggsi* McLachlan. Germany (I): Schneider *et al.*, 2012. Spain (I): Montserrat Larrosa & Barrientos Alfageme, 1999; Baz, 2003; Mederos-Lopez & Baz Ramos, 2012. Switzerland (I): Lienhard, 2012b. North America (III): Mockford, 2012a (biogeography).  
*Ectopsocus californicus* (Banks). North America (III): Mockford, 2012a (biogeography).  
*Ectopsocus erosus* (Enderlein). Australia (IX): Gunawardene *et al.*, 2012 (near *erosus*).  
*Ectopsocus maindroni* Badonnel. North America (III): Mockford, 2012a (biogeography). Galapagos (X): Peck, 2012.  
*Ectopsocus meridionalis* Ribaga. Germany (I): Schneider *et al.*, 2012. Russia (I): Golub, 2007 (ecol.). Switzerland (I): Lienhard, 2012b. North America (III): Mockford, 2012a (biogeography). USA (III): Coots *et al.*, 2012a (ecol.), 2012b (ecol.). Galapagos (X): Peck, 2012.  
*Ectopsocus petersi* Smithers. Germany (I): Schneider *et al.*, 2012. North America (III): Mockford, 2012a (biogeography).  
*Ectopsocus pumilis* (Banks). Switzerland (I): Lienhard, 2012b. North America (III): Mockford, 2012a (biogeography).  
*Ectopsocus richardsi* (Pearman). Switzerland (I): Lienhard, 2012b. North America (III): Mockford, 2012a (biogeography). Galapagos (X): Peck, 2012.  
*Ectopsocus salpinx* Thornton & Wong. North America (III): Mockford, 2012a (biogeography).  
*Ectopsocus strauchi* Enderlein. Spain (I): Baz, 2003. North America (III): Mockford, 2012a (biogeography).  
*Ectopsocus thibaudi* Badonnel. North America (III): Mockford, 2012a (biogeography).  
*Ectopsocus titschacki* Jentsch. North America (III): Mockford, 2012a (biogeography).  
*Ectopsocus vachoni* Badonnel. Spain (I): Baz, 2003; Mederos-Lopez & Baz Ramos, 2012. Switzerland (I): Lienhard, 2012b. North America (III): Mockford, 2012a (biogeography).  
*Ectopsocus vilhenai* Badonnel. North America (III): Mockford, 2012a (biogeography).

### **Ectopsocidae (Add. 13)**

*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.

#### **Ectopsocidae (Add. 14)**

Yoshizawa & Johnson, 2014: Phylogeny, family status confirmed.  
 Distribution of Neotropical and Caribbean species of Ectopsocidae (checklist): Saenz Manchola *et al.*, 2014: 539.  
 Ectopsocidae gen. spec. Australia (Barrow Island) (IX): Gunawardene *et al.*, 2012.  
*Ectopsopsis cryptomeriae* (Enderlein). Colombia (V): Saenz Manchola *et al.*, 2014. Paraguay (V): Garcia Aldrete, 2014a.  
*Ectopsocus* spec. Colombia (V): Sarria *et al.*, 2014a, 2014b. Australia (Barrow Island) (IX): Gunawardene *et al.*, 2012.  
*Ectopsocus andinus*\* Saenz Manchola, Gonzalez Obando & Garcia Aldrete, 2014: 525. Colombia (V). Fig.: Lopez, 2015 (habitus photograph).  
*Ectopsocus briggsi* McLachlan. Germany (I): Blick & Dorow, 2014a, 2014b. Serbia (I): Sziraki, 2013. Colombia (V): Saenz Manchola *et al.*, 2014. Genet.: Misof *et al.*, 2014 (de novo transcriptome, see Table S1).  
*Ectopsocus californicus* (Banks). Colombia (V): Saenz Manchola *et al.*, 2014.  
*Ectopsocus columbianus* Badonnel. Colombia (V): Saenz Manchola *et al.*, 2014.  
*Ectopsocus* cf. *erosus* (Enderlein). Australia (Barrow Island) (IX): Gunawardene *et al.*, 2012.  
*Ectopsocus gorgonaensis*\* Saenz Manchola, Gonzalez Obando & Garcia Aldrete, 2014: 528. Colombia (V).  
*Ectopsocus maindroni* Badonnel. Colombia (V): Saenz Manchola *et al.*, 2014.  
*Ectopsocus meridionalis* Ribaga. Albania (I): Sziraki, 2013. Germany (I): Blick & Dorow, 2014a, 2014b. Colombia (V): Saenz Manchola *et al.*, 2014.  
*Ectopsocus pilosus* Badonnel. Colombia (V): Saenz Manchola *et al.*, 2014.  
*Ectopsocus richardsi* (Pearman). Colombia (V): Saenz Manchola *et al.*, 2014.  
*Ectopsocus thorntoni* Garcia Aldrete. Description of male: Saenz Manchola *et al.*, 2014: 536. Colombia (V).  
*Ectopsocus titschacki* Jentsch. Brazil (V): Silva Neto *et al.*, 2014a. Colombia (V): Saenz Manchola *et al.*, 2014.  
*Ectopsocus valvilobatus*\* Saenz Manchola, Gonzalez Obando & Garcia Aldrete, 2014: 528. Colombia (V).  
*Ectopsocus vilhenai* Badonnel. Colombia (V): Saenz Manchola *et al.*, 2014.  
*Ectopsocus vilhenaioides*\* Saenz Manchola, Gonzalez Obando & Garcia Aldrete, 2014: 532. Colombia (V).

### **Ectopsocidae (Add. 15)**

- Ectopsocopsis cryptomeriae* (Enderlein). Iran (I): Aghadokht *et al.*, 2015; Gol *et al.*, 2015.  
*Ectopsocus briggsi* McLachlan. Iran (I): Gol *et al.*, 2015. Malta (I): Lienhard & Mifsud, 2015.  
*Ectopsocus californicus* (Banks). USA (III): Naughton *et al.*, 2015.  
*Ectopsocus meridionalis* Ribaga. Malta (I): Lienhard & Mifsud, 2015.  
*Ectopsocus strauchi* Enderlein. Malta (I): Lienhard & Mifsud, 2015.  
*Ectopsocus vachoni* Badonnel. Malta (I): Lienhard & Mifsud, 2015. USA (III): Naughton *et al.*, 2015.

### **Ectopsocidae (Add. 16)**

- Ectopsocopsis cryptomeriae* (Enderlein). Albania (I): Lock, 2015. Germany (I): Schmidt, 2015 (in greenhouse). Japan (VIII): Yoshizawa, 2016c.  
*Ectopsocopsis xerophylla* Vishnyakova. Romania (I): Moldovan *et al.*, 2007.  
*Ectopsocus boharti* Thornton & Wong. Japan (VIII): Yoshizawa, 2016c.  
*Ectopsocus briggsi* McLachlan. Albania (I): Lock, 2015. Germany (I): Schmidt, 2015. Great Britain (I): Alexander, 2016. Japan (VIII): Yoshizawa, 2016c.  
*Ectopsocus flaviceps* (Okamoto). Japan (VIII): Yoshizawa, 2016c.  
*Ectopsocus maindroni* Badonnel. Japan (VIII): Yoshizawa, 2016c.  
*Ectopsocus meridionalis* Ribaga. Albania (I): Lock, 2015. Czech Republic (I): Mazac, 2016 (ecol.). Germany (I): Schmidt, 2015. Romania (I): Moldovan *et al.*, 2007. Japan (VIII): Yoshizawa, 2016c. Biol: Verzhinina & Kuznetsova, 2016 (parthenogenesis).  
*Ectopsocus ornatooides* Thornton & Wong. Japan (VIII): Yoshizawa, 2016c.  
*Ectopsocus petersi* Smithers. Great Britain (I): Alexander, 2016. Netherlands (I): Franken & Berg, 2016.  
*Ectopsocus pumilis* (Banks). Japan (VIII): Yoshizawa, 2016c.

### **Ectopsocidae (Add. 17)**

- Ectopsocopsis cryptomeriae* (Enderlein). Korea (VIII): Soysouvanh *et al.*, 2017.  
*Ectopsocus briggsi* McLachlan. Bulgaria (I): Georgiev, 2017d; Georgiev & Todorov, 2017. Morph.: Ogawa & Yoshizawa, 2017b (in-flight wing-coupling structure).  
*Ectopsocus meridionalis* Ribaga. Bulgaria (I): Georgiev, 2017d.  
*Ectopsocus petersi* Smithers. Spain (Mallorca Island) (I): Lock, 2017b.  
*Ectopsocus vachoni* Badonnel. Bulgaria (I): Georgiev, 2017b. Greece (I): Georgiev, 2017c.  
*Ectopsocus vishnyakovae* Schmidt. Iran (I): Khandehroo *et al.*, 2015.

### **Ectopsocidae (Add. 18)**

- 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 vilhenaoides* Saenz Manchola, Gonzalez Obando & Garcia Aldrete, 2014. Colombia (V): Garcia Aldrete *et al.*, 2018.  
*Ectopsocus vishnyakovae* Schmidt. Iran (I): Kahrarian, 2018.

#### **Ectopsocidae (Add. 19)**

Canada (III): Anonby, 2019 (5 species of Ectopsocidae known from Canada, not listed).  
*Ectopsocus axillaris* (Smithers). Belgium (I): Lock, 2019a.  
*Ectopsocus briggsi* McLachlan. Armenia (I): Golub, 2019. Bulgaria (I): Georgiev & Ivanova, 2019c.  
*Ectopsocus maindroni* Badonnel. Malaysia (VIII): Moseley *et al.*, 2012 (cave fauna).  
*Ectopsocus meridionalis* Ribaga. Bulgaria (I): Georgiev & Ivanova, 2019c.  
*Ectopsocus thorntoni* Garcia Aldrete. Phylog.: Saenz Manchola *et al.*, 2019.  
*Ectopsocus vishnyakovae* Schmidt. Armenia (I): Golub, 2019.

#### **Ectopsocidae (Add. 20)**

Checklist of species recorded from Brazil (V): Silva-Neto & Garcia Aldrete, 2020.  
*Ectopsocopsis cryptomeriae* (Enderlein), Greece (I): Georgiev, 2020a.  
*Ectopsocopsis xerophylla* Vishnyakova. Greece (I): Georgiev, 2020a.  
*Ectopsocus axillaris* (Smithers). Lock, 2019b: species erroneously recorded from Belgium (I) by Lock, 2019a (see *Protopsocus pulchripennis*).  
*Ectopsocus briggsi* McLachlan. Bulgaria (I): Georgiev, 2020b, 2020c. Greece (I): Georgiev, 2020a.  
*Ectopsocus meridionalis* Ribaga. Bulgaria (I): Georgiev, 2020b, 2020c.  
*Ectopsocus petersi* Smithers. Bulgaria (I): Georgiev, 2020b, 2020c. Greece (I): Georgiev, 2020a.  
*Ectopsocus vachoni* Badonnel. Bulgaria (I): Georgiev, 2020b, 2020c.

### **SABULOPSOCIDAE (Add. 11-20)**

#### **Sabulopsocidae (Add. 13)**

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

### **LESNEIIDAE (Add. 11-20)**

#### **Lesneiidae (Add. 20)**

Systematic position of the family within Homilopsocidea: Yoshizawa *et al.*, 2020.  
*Lesneia johnsoni*\* Yoshizawa & Lienhard, 2020: 3. South Africa (VI).  
*Lesneia nigra* Broadhead & Richards. Kenya (VI): Yoshizawa & Lienhard, 2020 (figs).  
*Lesneia testudinata*\* Yoshizawa & Lienhard, 2020: 4. South Africa (VI).

### **ELIPSOCIDAE (Add. 11-20)**

### **Elipsocidae (Add. 11)**

- Cuneopalpus cyanops* (Rostock). Finland (I): Kanervo, 2010. Germany (I): Günther & Lienhard, 2011. Greece (I): Hollier *et al.*, 2011.
- Elipsocus azoricus* Meinander. Azores (II): Baz, 2010.
- Elipsocus brincki* Badonnel. Azores (II): Baz, 2010.
- Elipsocus hyalinus* (Stephens). Finland (I): Kanervo, 2010. Germany (I): Günther & Lienhard, 2011. Greece (I): Hollier *et al.*, 2011.
- Elipsocus moebiusi* Tetens. Finland (I): Kanervo, 2010. Germany (I): Günther & Lienhard, 2011. Greece (I): Hollier *et al.*, 2011.
- Elipsocus pumilis* (Hagen). Finland (I): Kanervo, 2010.
- Hemineura dispar* Tetens. Finland (I): Kanervo, 2010. Germany (I): Günther & Lienhard, 2011.
- Pseudopsocus fusciceps* (Reuter). Finland (I): Kanervo, 2010. Germany (I): Günther & Lienhard, 2011.
- Pseudopsocus meridionalis* Badonnel. Germany (I): Günther & Lienhard, 2011.
- Pseudopsocus rostocki* Kolbe. Germany (I): Günther & Lienhard, 2011.
- Reuterella helvimacula* (Enderlein). Finland (I): Kanervo, 2010. Germany (I): Günther & Lienhard, 2011.

### **Elipsocidae (Add. 12)**

- Cuneopalpus cyanops* (Rostock). Germany (I): Tamm, 1982. Spain (I): Baz, 2003. Switzerland (I): Lienhard, 2012b. North America (III): Mockford, 2012a (biogeography).
- Elipsocus* spec. North America (III): Mockford, 2012a (biogeography).
- Elipsocus abdominalis* Reuter. Germany (I): Schneider *et al.*, 2012. North America (III): Mockford, 2012a (biogeography).
- Elipsocus annulatus* Roesler. Spain (I): Montserrat Larrosa & Barrientos Alfageme, 1999; Baz, 2003.
- Elipsocus guentheri* Mockford. North America (III): Mockford, 2012a (biogeography).
- Elipsocus hyalinus* (Stephens). Germany (I): Tamm, 1982; Schneider *et al.*, 2012. Spain (I): Montserrat Larrosa & Barrientos Alfageme, 1999; Baz, 2003. Switzerland (I): Lienhard, 2012b. North America (III): Mockford, 2012a (biogeography).
- Elipsocus moebiusi* Tetens. Finland (I): Silfverberg, 2012. Russia (I): Golub, 2007 (ecol.). Spain (I): Montserrat Larrosa & Barrientos Alfageme, 1999; Baz, 2003. Switzerland (I): Lienhard, 2012b. North America (III): Mockford, 2012a (biogeography).
- Elipsocus obscurus* Mockford. North America (III): Mockford, 2012a (biogeography).
- Elipsocus pumilis* (Hagen). Finland (I): Kanervo, 2011 (cf. *pumilis*, maybe a different species, fig.). Germany (I): Schneider *et al.*, 2012. Great Britain (I): Alexander, 2010. Spain (I): Baz, 2003. Switzerland (I): Lienhard, 2012b. North America (III): Mockford, 2012a (biogeography).
- Hemineura bigoti* Badonnel. Spain (I): Baz, 2003.
- Hemineura sclerophallina* Lienhard. Spain (I): Baz, 2003.
- Nepiomorpha peripsocoides* Mockford. North America (III): Mockford, 2012a (biogeography).
- Propsocus pulchripennis* (Perkins). North America (III): Mockford, 2012a (biogeography).
- Pseudopsocus fusciceps* (Reuter). Germany (I): Schneider *et al.*, 2012.
- Pseudopsocus meridionalis* Badonnel. Spain (I): Montserrat Larrosa & Barrientos Alfageme, 1999; Baz, 2003. Switzerland (I): Lienhard, 2012b.
- Pseudopsocus rostocki* Kolbe. Germany (I): Willig, 2002; Schneider *et al.*, 2012.
- Reuterella helvimacula* (Enderlein). Germany (I): Schneider *et al.*, 2012. North America (III): Mockford, 2012a (biogeography).

### **Elipsocidae (Add. 13)**

- 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.).

*Sandrapocus 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.

#### **Elipsocidae (Add. 14)**

Yoshizawa & Johnson, 2014: Phylogeny, tentatively maintained as valid family, monophyly not supported.

*Elipsocus abdominalis* Reuter. Germany (I): Blick & Dorow, 2014a, 2014b. Greece (I): Sziraki, 2013.

*Elipsocus annulatus* Roesler. Greece (I): Sziraki, 2013.

*Elipsocus hyalinus* (Stephens). Great Britain (I): Alexander, 2013b.

*Elipsocus moebiusi* Tetens. Albania, Macedonia (I): Sziraki, 2013.

*Elipsocus pumilis* (Hagen). Germany (I): Blick & Dorow, 2014a, 2014b.

*Hemineura dispar* Tetens. Bulgaria (I): Sziraki, 2013.

*Pseudopsocus fusciceps* (Reuter). Germany (I): Büchs, 1988 (ecol.); Blick & Dorow, 2014a, 2014b.

*Pseudopsocus rostocki* Kolbe. Germany (I): Blick & Dorow, 2014a, 2014b.

#### **Elipsocidae (Add. 15)**

*Cuneopalpus cyanops* (Rostock). Finland (I): Salmela *et al.*, 2015. Malta (I): Lienhard & Mifsud, 2015.

*Elipsocus* spec. Finland (I): Salmela *et al.*, 2015. USA (III): Naughton *et al.*, 2015.

*Elipsocus abdominalis* Reuter. Finland (I): Salmela *et al.*, 2015. Malta (I): Lienhard & Mifsud, 2015.

*Elipsocus hyalinus* (Stephens). Malta (I): Lienhard & Mifsud, 2015. USA (III): Naughton *et al.*, 2015.

*Elipsocus pumilis* (Hagen). Finland (I): Salmela *et al.*, 2015 (as *Elipsocus* cf. *pumilis*).

*Hemineura dispar* Tetens. Finland (I): Salmela *et al.*, 2015.

*Reuterella helvimacula* (Enderlein). Finland (I): Salmela *et al.*, 2015.

#### **Elipsocidae (Add. 16)**

*Cuneopalpus cyanops* (Rostock). Czech Republic (I): Mazac, 2016 (ecol.). Germany (I): Schmidt, 2015. Romania (I): Moldovan *et al.*, 2007.

*Elipsocus abdominalis* Reuter. Czech Republic (I): Mazac, 2016 (ecol.). Germany (I): Schmidt, 2015. Great Britain (I): Alexander, 2016. Romania (I): Moldovan *et al.*, 2007.

*Elipsocus annulatus* Roesler. Czech Republic (I): Mazac, 2016 (ecol.).

*Elipsocus hyalinus* (Stephens). Czech Republic (I): Mazac, 2016 (ecol.). Germany (I): Schmidt, 2015 (fig.). Great Britain (I): Alexander, 2016. Netherlands (I): Franken & Berg, 2016. Romania (I): Moldovan *et al.*, 2007.

*Elipsocus kuriliensis* Vishnyakova. Japan (VIII): Yoshizawa, 2016c.

*Elipsocus moebiusi* Tetens. Albania (I): Lock, 2015. Czech Republic (I): Mazac, 2016 (ecol.). Germany (I): Schmidt, 2015. Russia (I): Golub, 2016.  
*Elipsocus pumilis* (Hagen). Germany (I): Schmidt, 2015. Great Britain (I): Alexander, 2016. Romania (I): Moldovan *et al.*, 2007.  
*Hemineura dispar* Tetens. Romania (I): Moldovan *et al.*, 2007. Russia (I): Golub, 2015.  
*Pseudopsocus fusciceps* (Reuter). Germany (I): Schmidt, 2015.  
*Pseudopsocus meridionalis* Badonnel. Germany (I): Schmidt, 2015.  
*Pseudopsocus rostocki* Kolbe. Germany (I): Schmidt, 2015.  
*Reuterella helvimacula* (Enderlein). Germany (I): Schmidt, 2015. Romania (I): Moldovan *et al.*, 2007. Japan (VIII): Yoshizawa, 2016c.

#### Elipsocidae (Add. 17)

*Cuneopalpus cyanops* (Rostock). Bulgaria (I): Georgiev, 2017b; Georgiev & Todorov, 2017.  
*Elipsocus moebiusi* Tetens. Bulgaria (I): Georgiev, 2017b.

#### Elipsocidae (Add. 18)

*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, 2018a.  
*Elipsocus annulatus* Roesler. Bulgaria (I): Georgiev, 2018a.  
*Elipsocus hyalinus* (Stephens). Bulgaria (I): Georgiev & Todorov, 2018.

#### Elipsocidae (Add. 19)

Canada (III): Anonby, 2019 (8 species of Elipsocidae known from Canada, not listed).  
*Cuneopalpus cyanops* (Rostock). Bulgaria (I): Georgiev, 2019.  
*Elipsocus moebiusi* Tetens. Armenia (I): Golub, 2019. Bulgaria (I): Georgiev, 2019.  
*Hemineura hispanica* (Enderlein). Armenia (I): Golub, 2019.  
*Propsocus pulchripennis* (Perkins). Netherlands (I): Noordijk & Belgers, 2019.

#### Elipsocidae (Add. 20)

Checklist of species recorded from Brazil (V): Silva-Neto & Garcia Aldrete, 2020.  
*Cuneopalpus cyanops* (Rostock). Bulgaria (I): Georgiev, 2020b, 2020c. Greece (I): Georgiev, 2020a.  
*Elipsocus abdominalis* Reuter. Bulgaria (I): Georgiev, 2020b, 2020c.  
*Elipsocus annulatus* Roesler. Bulgaria (I): Georgiev, 2020b, 2020c.  
*Elipsocus hyalinus* (Stephens). Bulgaria (I): Georgiev, 2020c.  
*Elipsocus moebiusi* Tetens. Bulgaria (I): Georgiev, 2020b, 2020c.  
*Elipsocus pumilis* (Hagen). Bulgaria (I): Georgiev, 2020b, 2020c.  
*Hemineura dispar* Tetens. Bulgaria (I): Georgiev, 2020b (only males, "dispar complex"), 2020c.  
*Propsocus pulchripennis* (Perkins). Belgium (I): Lock, 2019b.

### **MESOPSOCIDAE (Add. 11-20)**

#### Mesopsocidae (Add. 11)

*Mesopsocus helveticus* Lienhard. Czech Republic (I): Holusa, 2009. Finland (I): Kanervo, 2010.  
*Mesopsocus immunis* (Stephens). Germany (I): Günther & Lienhard, 2011.  
*Mesopsocus laticeps* (Kolbe). Finland (I): Kanervo, 2010. Germany (I): Günther & Lienhard, 2011.  
*Mesopsocus unipunctatus* (Müller). Finland (I): Kanervo, 2010. Germany (I): Günther & Lienhard, 2011. Greece (I): Hollier *et al.*, 2011.  
*Psoculus neglectus* (Roesler). Germany (I): Günther & Lienhard, 2011.

### **Mesopsocidae (Add. 12)**

- Cyrtopsocus pustulatus* (Badonnel). Spain (I): Baz, 2003; Mederos-Lopez & Baz Ramos, 2012.  
*Mesopsocus blancae* Baz. Spain (I): Baz, 2003.  
*Mesopsocus immunis* (Stephens). Spain (I): Montserrat Larrosa & Barrientos Alfageme, 1999; Baz, 2003; Mederos-Lopez & Baz Ramos, 2012. North America (III): Mockford, 2012a (biogeography).  
*Mesopsocus laticeps* (Kolbe). Germany (I): Willig, 2002; Schneider *et al.*, 2012. Switzerland (I): Lienhard, 2012b. North America (III): Mockford, 2012a (biogeography).  
*Mesopsocus unipunctatus* (Müller). Germany (I): Willig, 2002; Schneider *et al.*, 2012. Switzerland (I): Lienhard, 2012b. North America (III): Mockford, 2012a (biogeography). USA (III): Coots *et al.*, 2012a (ecol.).  
*Palmicola* spec. North America (III): Mockford, 2012a (biogeography).  
*Palmicola aphrodite* Mockford. North America (III): Mockford, 2012a (biogeography).  
*Palmicola solitaria* Mockford. North America (III): Mockford, 2012a (biogeography).  
*Psoculus neglectus* (Roesler). Spain (I): Mederos-Lopez & Baz Ramos, 2012.

### **Mesopsocidae (Add. 13)**

- 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.).

### **Mesopsocidae (Add. 14)**

- Yoshizawa & Johnson, 2014: Phylogeny, tentatively maintained as valid family, monophyly not supported.  
*Cyrtopsocus nasutus* (Enderlein). Greece (I): Sziraki, 2013.  
*Mesopsocoides*\*\* Azar, Nel & Perrichot, 2014: 12. Gender: M. Type species: *Mesopsocoides dupei* Azar, Nel & Perrichot.  
*Mesopsocoides dupei*\* Azar, Nel & Perrichot, 2014: 13. France (I), Late Cretaceous Vendean amber (A).  
*Mesopsocus duboscqui* Badonnel. Albania, Greece (I): Sziraki, 2013.  
*Mesopsocus laticeps* (Kolbe). Germany (I): Blick & Dorow, 2014a, 2014b.  
*Mesopsocus unipunctatus* (Müller). Germany (I): Büchs, 1988 (ecol.); Blick & Dorow, 2014a, 2014b. Greece (I): Sziraki, 2013.

### **Mesopsocidae (Add. 15)**

- Mesopsocus fuscifrons* Meinander. Malta (I): Lienhard & Mifsud, 2015.  
*Mesopsocus helveticus* Lienhard. Finland (I): Salmela *et al.*, 2015.  
*Mesopsocus unipunctatus* (Müller). Finland (I): Salmela *et al.*, 2015.

### **Mesopsocidae (Add. 16)**

- Idatenopsocus orientalis* (Vishnyakova). Japan (VIII): Yoshizawa, 2016c.  
*Mesopsocus dislobus* Yoshizawa. Japan (VIII): Yoshizawa, 2016c.  
*Mesopsocus duboscqui* Badonnel. Albania (I): Lock, 2015.  
*Mesopsocus fuscifrons* Meinander. Belgium (I): Lock *et al.*, 2015 (fig.).  
*Mesopsocus hiemalis* Marikowskii. Iran (I): Khandehroo *et al.*, 2014.  
*Mesopsocus hongkongensis* Thornton. Japan (VIII): Yoshizawa, 2016c.  
*Mesopsocus immunis* (Stephens). Netherlands (I): Franken & Berg, 2016.  
*Mesopsocus laticeps* (Kolbe). Czech Republic (I): Mazac, 2016 (ecol.). Germany (I): Schmidt, 2015. Romania (I): Moldovan *et al.*, 2007. Russia (I): Golub, 2015. Japan (VIII): Yoshizawa, 2016c.  
*Mesopsocus unipunctatus* (Müller). Czech Republic (I): Mazac, 2016 (ecol.). Germany (I): Schmidt, 2015. Romania (I): Moldovan *et al.*, 2007. Russia (I): Golub, 2016. Japan (VIII): Yoshizawa, 2016c.

*Psoculus neglectus* (Roesler). Germany (I): Schmidt, 2015.

**Mesopsocidae (Add. 17)**

*Idatenopsocus orientalis* (Vishnyakova). Morph.: Ogawa & Yoshizawa, 2017b (in-flight wing-coupling structure).

*Mesopsocus immunis* (Stephens). Bulgaria (I): Georgiev, 2017b.

**Mesopsocidae (Add. 18)**

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

**Mesopsocidae (Add. 19)**

Canada (III): Anonby, 2019 (3 species of Mesopsocidae known from Canada, not listed).

*Mesopsocus unipunctatus* (Müller). Armenia (I): Golub, 2019.

**Mesopsocidae (Add. 20)**

*Mesopsocus immunis* (Stephens). Bulgaria (I): Georgiev, 2020b, 2020c.

*Mesopsocus unipunctatus* (Müller). Bulgaria (I): Georgiev, 2020b, 2020c.

**PHILOTARSETAE (Add. 11-20)**

**Philotarsetae (Add. 14)**

Yoshizawa & Johnson, 2014: Phylogeny, new infraorder established, containing three families: Philotarsidae, Trichopsocidae, Pseudocaeciliidae.

**PHILOTARSIDAE (Add. 11-20)**

**Philotarsidae (Add. 11)**

*Aaroniella badonneli* (Danks). Azores (II): Baz, 2010.

*Philotarsus parviceps* Roesler. Finland (I): Kanervo, 2010. Germany (I): Günther & Lienhard, 2011. Greece (I): Hollier *et al.*, 2011. Netherlands (I): Van Zuijlen & Belgers, 2011.

*Philotarsus picicornis* (Fabricius). Finland (I): Kanervo, 2010. Germany (I): Günther & Lienhard, 2011. Netherlands (I): Van Zuijlen & Belgers, 2011. Azores (II): Baz, 2010.

**Philotarsidae (Add. 12)**

Philotarsidae gen. spec. Australia (IX): Gunawardene *et al.*, 2012.

*Aaroniella* spec. Dominican Republic (IV) in Dominican amber (A): Poinar & Poinar, 1999 (as *Broadheadia* spec.); Scheven, 2004 (as *Broadheadia* spec.; photograph).

*Aaroniella achrysa* (Banks). North America (III): Mockford, 2012a (biogeography).

*Aaroniella badonneli* (Danks). Spain (I): Mederos-Lopez & Baz Ramos, 2012. North America (III): Mockford, 2012a (biogeography). USA (III): Coots *et al.*, 2012a (ecol.).

*Aaroniella galapagensis* Thornton & Woo. Galapagos (X): Peck, 2012.

*Aaroniella maculosa* (Aaron). North America (III): Mockford, 2012a (biogeography). USA (III): Coots *et al.*, 2012a (ecol.), 2012b (ecol.).

*Philotarsus* spec. Dominican Republic (IV) in Dominican amber (A): Scheven, 2004 (photograph).

*Philotarsus arizonicus* Mockford, 2007. North America (III): Mockford, 2012a (biogeography).

*Philotarsus californicus* Mockford, 2007. North America (III): Mockford, 2012a (biogeography).

*Philotarsus kwakiutl* Mockford. North America (III): Mockford, 2012a (biogeography).

*Philotarsus parviceps* Roesler. Finland (I): Kanervo, 2011; Silfverberg, 2012. Germany (I): Schneider *et al.*, 2012. Spain (I): Montserrat Larrosa & Barrientos Alfageme, 1999; Baz, 2003; Mederos-Lopez & Baz Ramos, 2012. Switzerland (I): Lienhard, 2012b. North America (III): Mockford, 2012a (biogeography).

*Philotarsus picicornis* (Fabricius). Germany (I): Schneider *et al.*, 2012. Great Britain (I): Alexander, 2010. Russia (I): Golub, 2007 (ecol.). Spain (I): Mederos-Lopez & Baz Ramos, 2012. Switzerland (I): Lienhard, 2012b.

*Philotarsus potosinus* Mockford, 2007. North America (III): Mockford, 2012a (biogeography).

#### **Philotarsidae (Add. 13)**

*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.).

#### **Philotarsidae (Add. 14)**

Yoshizawa & Johnson, 2014: Phylogeny, family status confirmed.

Philotarsidae gen. spec. Australia (Barrow Island) (IX): Gunawardene *et al.*, 2012.

*Aaroniella* spec. Brazil (V): Silva Neto *et al.*, 2014a. Colombia (V): Sarria *et al.*, 2014a, 2014b.

*Philotarsus parviceps* Roesler. Czech Republic (I): Gol & Holusa, 2011 (ecol.).

*Philotarsus picicornis* (Fabricius). Bulgaria, Greece (I): Sziraki, 2013. Czech Republic (I): Gol & Holusa, 2011 (ecol.). Germany (I): Blick & Dorow, 2014a, 2014b.

#### **Philotarsidae (Add. 15)**

*Philotarsus picicornis* (Fabricius). Finland (I): Salmela *et al.*, 2015.

#### **Philotarsidae (Add. 16)**

*Aaroniella badonneli* (Danks). Biol: Vershinina & Kuznetsova, 2016 (parthenogenesis).

*Haplophallus boninensis* Thornton, Lee & Chui. Japan (VIII): Yoshizawa, 2016c.

*Haplophallus subclarus* Mockford, 2003c. Japan (VIII): Yoshizawa, 2016c.

*Philotarsus parviceps* Roesler. Czech Republic (I): Mazac, 2016 (ecol.). Germany (I): Schmidt, 2015. Great Britain (I): Alexander, 2016. Romania (I): Moldovan *et al.*, 2007.

*Philotarsus picicornis* (Fabricius). Czech Republic (I): Mazac, 2016 (ecol.). Germany (I): Schmidt, 2015. Romania (I): Moldovan *et al.*, 2007. Russia (I): Golub, 2015, 2016.

#### **Philotarsidae (Add. 17)**

*Aaroniella badonneli* (Danks). Morph.: Ogawa & Yoshizawa, 2017b (in-flight wing-coupling structure).

#### **Philotarsidae (Add. 18)**

*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.

### **Philotarsidae (Add. 19)**

Canada (III): Anonby, 2019 (4 species of Philotarsidae known from Canada, not listed).  
*Aaroniella recta* New & Thornton. Data about type material: Silva Neto *et al.*, 2019b.  
*Philotarsus picicornis* (Fabricius). Cytol., Genet.: Golub *et al.*, 2019 (chromosomes).

### **Philotarsidae (Add. 20)**

Checklist of species recorded from Brazil (V): Silva-Neto & Garcia Aldrete, 2020.  
*Aaroniella badonneli* (Danks). Bulgaria (I): Georgiev, 2020c.  
*Philotarsus parviceps* Roesler. Bulgaria (I): Georgiev, 2020c.  
*Philotarsus picicornis* (Fabricius). Bulgaria (I): Georgiev, 2020c.

## **TRICHOPSOCIDAE (Add. 11-20)**

### **Trichopsocidae (Add. 11)**

*Trichopsocus clarus* (Banks). Finland (I): Kanervo, 2010. Germany (I): Günther & Lienhard, 2011. Great Britain (I): Alexander, 2008c, 2009b. Azores (II): Baz, 2010. Saint Helena (II): Mendel *et al.*, 2008; Lienhard & Ashmole, 2011.  
*Trichopsocus dali* (McLachlan). Germany (I): Günther & Lienhard, 2011. Greece (I): Hollier *et al.*, 2011.

### **Trichopsocidae (Add. 12)**

*Trichopsocus brincki* Badonnel. Great Britain (I): Alexander, 2010.  
*Trichopsocus clarus* (Banks). Great Britain (I): Alexander, 2010. Spain (I): Mederos-Lopez & Baz Ramos, 2012. North America (III): Mockford, 2012a (biogeography).  
*Trichopsocus dali* (McLachlan). Spain (I): Montserrat Larrosa & Barrientos Alfageme, 1999; Baz, 2003; Mederos-Lopez & Baz Ramos, 2012. North America (III): Mockford, 2012a (biogeography).

### **Trichopsocidae (Add. 13)**

*Trichopsocus clarus* (Banks). New Zealand (IX): Smithers, 2010.  
*Trichopsocus maculosus* Mockford. Mexico (IV) in amber (A): Garcia Aldrete, 2011c.

### **Trichopsocidae (Add. 14)**

Yoshizawa & Johnson, 2014: Phylogeny, family status confirmed.

### **Trichopsocidae (Add. 15)**

*Trichopsocus brincki* Badonnel. Great Britain (I): Alexander, 2014.  
*Trichopsocus clarus* (Banks). Great Britain (I): Alexander, 2014. Malta (I): Lienhard & Mifsud, 2015.  
*Trichopsocus dali* (McLachlan). Iran (I): Gol *et al.*, 2015 (as *T. dali*?). Malta (I): Lienhard & Mifsud, 2015.

### **Trichopsocidae (Add. 16)**

*Trichopsocus brincki* Badonnel. Great Britain (I): Alexander, 2016.  
*Trichopsocus clarus* (Banks). Germany (I): Schmidt, 2015 (in greenhouse). Great Britain (I): Alexander, 2016.  
*Trichopsocus dali* (McLachlan). Germany (I): Schmidt, 2015.

### **Trichopsocidae (Add. 17)**

*Trichopsocus clarus* (Banks). Morph.: Ogawa & Yoshizawa, 2017b (in-flight wing-coupling structure).  
*Trichopsocus dali* (McLachlan). Bulgaria (I): Georgiev, 2017d.

### **Trichopsocidae (Add. 18)**

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

*Trichopsocus dalii* (McLachlan). Bulgaria (I): Georgiev & Todorov, 2018. Greece (I): Georgiev & Ivanova, 2018a.

### **Trichopsocidae (Add. 19)**

Canada (III): Anonby, 2019 (one species of Trichopsocidae known from Canada, not listed).

*Trichopsocus dalii* (McLachlan). Greece (I): Georgiev & Ivanova, 2019a, 2019b.

### **Trichopsocidae (Add. 20)**

*Trichopsocus dalii* (McLachlan). Bulgaria (I): Georgiev, 2020c. Greece (I): Georgiev, 2020a.

## **BRYOPSOCIDAE (Add. 11-20)**

### **Bryopsocidae (Add. 13)**

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

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

### **Bryopsocidae (Add. 14)**

Yoshizawa & Johnson, 2014: Phylogeny, family synonymized with Zelandopsocinae (subfamily of Pseudocaeciliidae).

## **CALOPSOCIDAE / PSEUDOCAECILIIDAE (Add. 11-20)**

NOTE: If the *sensu lato* concept of the family (for example *sensu* Yoshizawa & Johnson, 2014 or Mockford, 2018b) is accepted the name Pseudocaeciliidae Pearman, 1936 becomes a junior synonym of Calopsocidae Kolbe, 1882. See Lienhard & Yoshizawa, 2019b.

### **Calopsocidae (Add. 14)**

Yoshizawa & Johnson, 2014: Phylogeny, family synonymized with Pseudocaeciliidae.

*Calopsocus* Hagen. See Pseudocaeciliidae.

### **Calopsocidae (Add. 19)**

**Calopsocidae** (= Pseudocaeciliidae *sensu lato*, for example *sensu* Yoshizawa & Johnson, 2014 or Mockford, 2018b)

Lienhard & Yoshizawa, 2019b: If the *sensu lato* concept of the family is accepted the name Pseudocaeciliidae Pearman, 1936 becomes a junior synonym of Calopsocidae Kolbe, 1882.

### **Pseudocaeciliidae (Add. 11)**

*Pseudocaecilius citricola* (Ashmead). Dominica (IV): Garcia Aldrete, 2011a. Colombia (V): Sarria, 2011.

*Pseudocaecilius tahitiensis* (Karny). Dominica (IV): Garcia Aldrete, 2011a.

### **Pseudocaeciliidae (Add. 12)**

Pseudocaeciliidae gen. spec. Dominican Republic (IV) in Dominican amber (A): Poinar & Poinar, 1999.

*Austropsocus millei*\* Lienhard, 2012c: 162. New Caledonia (X).

*Cladoneura foliata* Smithers. Australia (IX): Gunawardene *et al.*, 2012.

*Heterocaecilius* spec. North America (III): Mockford, 2012a (biogeography).

*Ophiopelma* spec. North America (III): Mockford, 2012a (biogeography).

*Pseudocaecilius citricola* (Ashmead). North America (III): Mockford, 2012a (biogeography). Galapagos (X): Peck, 2012.

*Pseudocaecilius tahitiensis* (Karny). North America (III): Mockford, 2012a (biogeography).

Galapagos (X): Peck, 2012.

### **Pseudocaeciliidae (Add. 13)**

- 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.

### **Pseudocaeciliidae (Add. 14)**

- Yoshizawa & Johnson, 2014: Phylogeny, family definition revised (Calopsocidae considered as a new synonym of Pseudocaeciliidae and Bryopsocidae as a new synonym of Zelandopsocinae).  
Zelandopsocinae. Yoshizawa & Johnson, 2014: Bryopsocidae considered as a new synonym of Zelandopsocinae.  
*Calopsocus infelix* (Hagen). China, Vietnam (VIII): Liang Feiyang *et al.*, 2013b (description).  
*Cladioneura foliata* Smithers. Australia (Barrow Island) (IX): Gunawardene *et al.*, 2012.  
*Heterocaecilius* spec. Colombia (V): Sarria *et al.*, 2014a, 2014b.  
*Pseudocaecilius citricola* (Ashmead). Colombia (V): Sarria *et al.*, 2014a, 2014b. Paraguay (V): Garcia Aldrete, 2014a.  
*Scytopsocus* spec. Brazil (V): Silva Neto *et al.*, 2014a. Colombia (V): Sarria *et al.*, 2014a, 2014b.

### **Pseudocaeciliidae (Add. 16)**

- Allocaecilius sinensis* Lee & Thornton. Japan (VIII): Yoshizawa, 2016c.  
*Heterocaecilius fuscus* Yoshizawa. Japan (VIII): Yoshizawa, 2016c.  
*Heterocaecilius solocipennis* (Enderlein). Japan (VIII): Yoshizawa, 2016c.  
*Mepleres sakishimensis* (Yoshizawa). Japan (VIII): Yoshizawa, 2016c.  
*Mepleres suzukii* (Okamoto). Japan (VIII): Yoshizawa, 2016c.  
*Ophiidopelma glyptocephalum* Lienhard. Japan (VIII): Yoshizawa, 2016c.  
*Phallocaecilius hirsutus* (Thornton). Japan (VIII): Yoshizawa, 2016c.  
*Pseudocaecilius citricola* (Ashmead). Japan (VIII): Yoshizawa, 2016c.  
*Pseudocaecilius kagoshimensis* (Okamoto). Japan (VIII): Yoshizawa, 2016c (subsp. *kagoshimensis* s.str. and subsp. *yaeyamensis* Yoshizawa)  
*Pseudocaecilius maculosus* Enderlein. Japan (VIII): Yoshizawa, 2016c.  
*Trimerocaecilius becheti* Meinander. Romania (I): Moldovan *et al.*, 2007.

### **Pseudocaeciliidae (Add. 17)**

*Calopsocus furcatus* (New). Morph.: Ogawa & Yoshizawa, 2017b (in-flight wing-coupling structure).

*Heterocaecilius solocipennis* (Enderlein). Morph.: Ogawa & Yoshizawa, 2017b (in-flight wing-coupling structure).

*Pseudocaecilius maculosus* Enderlein. Korea (VIII): Soysouvanh *et al.*, 2017.

*Trimerocaecilius popovi* Meinander. Bulgaria (I): Georgiev, 2017d.

### **Pseudocaeciliidae (Add. 18)**

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

*Calopsocus furcatus* (New). Morph.: Ogawa & Yoshizawa, 2018a (structure of stigmapophysis); Malaysia (VIII).

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

*Heterocaecilius solocipennis* (Enderlein). Morph.: Ogawa & Yoshizawa, 2018a (structure of stigmapophysis); 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).

*Scytosocus* 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.

### **Pseudocaeciliidae (Add. 19)**

**Calopsocidae** (= Pseudocaeciliidae *sensu lato*, for example *sensu* Yoshizawa & Johnson, 2014 or Mockford, 2018b)

Lienhard & Yoshizawa, 2019b: If the *sensu lato* concept of the family is accepted the name Pseudocaeciliidae Pearman, 1936 becomes a junior synonym of Calopsocidae Kolbe, 1882.

*Scytosocus medialis* New & Thornton. Data about type material: Silva Neto *et al.*, 2019b.

### **Pseudocaeciliidae (Add. 20)**

**Calopsocidae** Kolbe, 1882 (= **Pseudocaeciliidae** Pearman, 1936 *sensu* Yoshizawa & Johnson, 2014)

Checklist of species recorded from Brazil (V): Silva-Neto & Garcia Aldrete, 2020.

*Trimerocaecilius becheti* Meinander. Bulgaria (I): Georgiev, 2020c (cf. *T. becheti*).

*Trimerocaecilius popovi* Meinander. Bulgaria (I): Georgiev, 2020c.

## **EPIPSOCETAE (Add. 11-20)**

### **Epipsocetae (Add. 13)**

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

### **Epipsocetae (Add. 14)**

Yoshizawa & Johnson, 2014: Phylogeny, infraorder status confirmed. Four families recognized: Dolabellopsocidae, Cladiopsocidae, Ptiloneuridae, Epipsocidae.

## **DOLABELLOPSOCIDAE (Add. 11-20)**

### **Dolabellopsocidae (Add. 12)**

*Isthmopsocus* spec. Dominican Republic (IV) in Dominican amber (A): Poinar & Poinar, 1999.

### **Dolabellopsocidae (Add. 13)**

*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.

### **Dolabellopsocidae (Add. 14)**

Yoshizawa & Johnson, 2014: Phylogeny, family status confirmed.

*Dolabellopsocus* Eertmoed. Distribution of species and key to the neotropical species: Calderon Martinez *et al.*, 2014.

*Dolabellopsocus* spec. Colombia (V): Sarria *et al.*, 2014a, 2014b.

*Dolabellopsocus calima*\* Calderon Martinez, Gonzalez Obando & Garcia Aldrete, 2014: 13. Colombia (V).

*Dolabellopsocus lobatus* Mockford. Colombia (V): Calderon Martinez *et al.*, 2014.

*Dolabellopsocus roseusoides*\* Calderon Martinez, Gonzalez Obando & Garcia Aldrete, 2014: 13. Colombia (V).

*Dolabellopsocus similis* Mockford. Colombia (V): Calderon Martinez *et al.*, 2014.

*Dolabellopsocus yundiguai*\* Calderon Martinez, Gonzalez Obando & Garcia Aldrete, 2014: 18. Colombia (V).

*Isthmopsocus* Eertmoed. Distribution of species and key to the neotropical species: Calderon Martinez *et al.*, 2014.

*Isthmopsocus* spec. Brazil (V): Silva Neto *et al.*, 2014a. Colombia (V): Sarria *et al.*, 2014a.

*Isthmopsocus barbatusoides*\* Calderon Martinez, Gonzalez Obando & Garcia Aldrete, 2014: 18. Colombia (V).

*Isthmopsocus foliatus*\* Calderon Martinez, Gonzalez Obando & Garcia Aldrete, 2014: 22. Colombia (V).

### **Dolabellopsocidae (Add. 18)**

*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.

### **Dolabellopsocidae (Add. 20)**

Checklist of species recorded from Brazil (V): Silva-Neto & Garcia Aldrete, 2020.

## **CLADIOPSOCIDAE (Add. 11-20)**

### **Cladiopsocidae (Add. 12)**

*Cladiopsocus* spec. Dominican Republic (IV) in Dominican amber (A): Poinar & Poinar, 1999; Scheven, 2004 (photograph).

*Cladiopsocus garciai* Eertmoed. North America (III): Mockford, 2012a (biogeography).

### **Cladiopsocidae (Add. 13)**

*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.

### **Cladiopsocidae (Add. 14)**

Yoshizawa & Johnson, 2014: Phylogeny, family status confirmed (including *Spurostigma* Eertmoed).

*Cladiopsocus* Roesler. Distribution of species and key to the neotropical species: Calderon Martinez *et al.*, 2014.

*Cladiopsocus* spec. Brazil (V): Silva Neto *et al.*, 2014a. Colombia (V): Sarria *et al.*, 2014a, 2014b.

*Cladiopsocus arboricola*\* Calderon Martinez, Gonzalez Obando & Garcia Aldrete, 2014: 3. Colombia (V).

*Cladiopsocus bidentatus*\* Calderon Martinez, Gonzalez Obando & Garcia Aldrete, 2014: 6. Colombia (V).

*Cladiopsocus multimaculatus* Eertmoed. Colombia (V): Calderon Martinez *et al.*, 2014.

*Cladiopsocus nebulosus*\* Calderon Martinez, Gonzalez Obando & Garcia Aldrete, 2014: 6. Colombia (V). Fig.: Lopez, 2015 (habitus photograph).

*Cladiopsocus pacificus*\* Calderon Martinez, Gonzalez Obando & Garcia Aldrete, 2014: 9. Colombia (V).

*Spurostigma caatinga* Silva Neto & Garcia Aldrete, 2012. Brazil (V): Silva Neto *et al.*, 2014a.

### **Cladiopsocidae (Add. 16)**

*Cladiopsocus* Roesler. Key to males of the Neotropical species (figs), intrageneric classification revised (groups and subgroups), distribution of the New World species (table 1): Gonzalez Obando *et al.*, 2016.

*Cladiopsocus amacayacuensis*\* Gonzalez Obando, Garcia Aldrete & Carrejo, 2016: 62. Colombia (V).

*Cladiopsocus deliciosensis*\* Gonzalez Obando, Garcia Aldrete & Carrejo, 2016: 63. Colombia (V).

*Cladiopsocus domesticus* (New). Colombia (V): Gonzalez Obando *et al.*, 2016.

*Cladiopsocus eertmoedi*\* Gonzalez Obando, Garcia Aldrete & Carrejo, 2016: 64. Colombia (V).

*Cladiopsocus gregeriorum*\* Gonzalez Obando, Garcia Aldrete & Carrejo, 2016: 67. Colombia (V).

*Cladiopsocus julianae*\* Gonzalez Obando, Garcia Aldrete & Carrejo, 2016: 71. Colombia (V).

*Cladiopsocus mocoensis*\* Gonzalez Obando, Garcia Aldrete & Carrejo, 2016: 71. Colombia (V).

*Cladiopsocus panchei*\* Gonzalez Obando, Garcia Aldrete & Carrejo, 2016: 72. Colombia (V).

*Cladiopsocus ramulosus* (Enderlein). Colombia (V): Gonzalez Obando *et al.*, 2016.

*Cladiopsocus tikunus*\* Gonzalez Obando, Garcia Aldrete & Carrejo, 2016: 75. Colombia (V).

### **Cladiopsocidae (Add. 18)**

*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 belensis*\* 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 gregriorum* 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 mocoaensis* 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.

#### **Cladiopsocidae (Add. 20)**

Checklist of species recorded from Brazil (V): Silva-Neto & Garcia Aldrete, 2020.

#### **SPUROSTIGMATIDAE (Add. 11-20)**

##### **Spurostigmatidae (Add. 12)**

*Spurostigma* Eertmoed. Key to the species: Silva Neto & Garcia Aldrete, 2012: 85.

*Spurostigma* spec. Dominican Republic (IV) in Dominican amber (A): Poinar & Poinar, 1999.

*Spurostigma caatinga*\* Silva Neto & Garcia Aldrete, 2012: 86. Brazil (V).

### **Spurostigmatidae (Add. 14)**

Yoshizawa & Johnson, 2014: Phylogeny, reinstated family (see Casasola Gonzalez, 2006a) not recognized (see Lienhard & Smithers, 2002).

*Spurostigma* Eertmoed. See Cladiopsocidae.

### **Spurostigmatidae (Add. 20)**

Checklist of species recorded from Brazil (V): Silva-Neto & Garcia Aldrete, 2020.

*Spurostigma caatinga* Silva Neto & Garcia Aldrete, 2012. Deposition of type material: Silva Ferreira *et al.*, 2020.

## **PTILONEURIDAE (Add. 11-20)**

### **Ptiloneuridae (Add. 11)**

*Loneura* Navas. Key to South American species: Garcia Aldrete *et al.*, 2011a (p. 36). Definition of species groups: Garcia Aldrete *et al.*, 2011b (p. 61).

*Loneura* spec. Brazil, Colombia (V): Garcia Aldrete *et al.*, 2011b (p. 62, in key).

*Loneura colombiana*\* Garcia Aldrete, Gonzalez & Carrejo, 2011: 35. Colombia (V).

*Loneura gorgonaensis*\* Garcia Aldrete, Gonzalez & Sarria, 2011: 55. Colombia (V).

*Loneura insularis*\* Garcia Aldrete, Gonzalez & Sarria, 2011: 57. Colombia (V).

*Loneura mirandaensis* Garcia Aldrete, 2007. Colombia (V): Garcia Aldrete *et al.*, 2011a.

*Loneura monticola*\* Garcia Aldrete, Gonzalez & Sarria, 2011: 59. Colombia (V).

*Loneuroides venezolanus* Garcia Aldrete, 2006. Colombia (V): Garcia Aldrete *et al.*, 2011a.

### **Ptiloneuridae (Add. 12)**

Ptiloneuridae gen. spec. Dominican Republic (IV) in Dominican amber (A): Poinar & Poinar, 1999.

*Loneura* Navas. Revised diagnosis of species Group II, with key to males: Garcia Aldrete *et al.*, 2012b.

*Loneura* spec. North America (III): Mockford, 2012a (biogeography).

*Loneura andina*\* Garcia Aldrete, Mendivil Nieto & Gonzalez Obando, 2012: 66. Colombia (V).

*Loneura tuluaensis*\* Garcia Aldrete, Mendivil Nieto & Gonzalez Obando, 2012: 68. Colombia (V).

*Triplocania delgadoi*\* Garcia Aldrete, 2012a: 170. Mexico (IV).

*Triplocania halffterorum*\* Garcia Aldrete, 2012a: 170. Mexico (IV).

### **Ptiloneuridae (Add. 13)**

*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 tuluaensis* 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.

#### **Ptiloneuridae (Add. 14)**

- Yoshizawa & Johnson, 2014: Phylogeny, tentatively maintained as valid family, potentially embedded within Cladiopsocidae.
- Euplocania* spec. Brazil (V): Silva Neto *et al.*, 2014a. Fig.: Lopez, 2015 (habitus photograph).
- Loneura* spec. Brazil (V): Silva Neto *et al.*, 2014a. Fig.: Lopez, 2015 (habitus photograph).
- Loneura gorgonaensis* Garcia Aldrete, Gonzalez & Sarria, 2011. Colombia (V): Sarria *et al.*, 2014a.
- Loneura insularis* Garcia Aldrete, Gonzalez & Sarria, 2011. Colombia (V): Sarria *et al.*, 2014a.
- Loneura monticola* Garcia Aldrete, Gonzalez & Sarria, 2011. Colombia (V): Sarria *et al.*, 2014a.
- Triplocania* spec. Brazil (V): Silva Neto *et al.*, 2014a. Fig.: Lopez, 2015 (habitus photograph).
- Triplocania ariasi* New. Brazil (V): Silva Neto *et al.*, 2014a.
- Triplocania lamasi*\* Silva Neto, Rafael & Garcia Aldrete, 2014: 79. Brazil, Colombia (V).
- Triplocania mariateresae*\* Silva Neto, Rafael & Garcia Aldrete, 2014: 79. Brazil (V).
- Triplocania newi*\* Silva Neto, Rafael & Garcia Aldrete, 2014: 81. Brazil (V).
- Triplocania plaumanni*\* Silva Neto, Rafael & Garcia Aldrete, 2014: 84. Brazil (V).

#### **Ptiloneuridae (Add. 15)**

- Family diagnosis and key to genera: Silva Neto & Garcia Aldrete, 2015: 169.
- Brasineura*\*\* Silva Neto & Garcia Aldrete, 2015: 170. Gender: F. Type species: *Brasineura diamantina* Silva Neto & Garcia Aldrete.
- Brasineura diamantina*\* Silva Neto & Garcia Aldrete, 2015: 170. Brazil (V).
- Brasineura trogliphilica*\* Silva Neto & Garcia Aldrete, 2015: 170. Brazil (V).
- Euplocania bonaverensis*\* Gonzalez Obando, Garcia Aldrete & Carrejo Gironza, 2015: 508. Colombia (V).
- Euplocania caliensis*\* Gonzalez Obando, Garcia Aldrete & Carrejo Gironza, 2015: 510. Colombia (V).
- Euplocania daguaensis*\* Gonzalez Obando, Garcia Aldrete & Carrejo Gironza, 2015: 513. Colombia (V).
- Euplocania danubiana*\* Gonzalez Obando, Garcia Aldrete & Carrejo Gironza, 2015: 516. Colombia (V).
- Euplocania guentherbuchi*\* Gonzalez Obando, Garcia Aldrete & Carrejo Gironza, 2015: 519. Colombia (V).
- Euplocania macarenaensis*\* Gonzalez Obando, Garcia Aldrete & Carrejo Gironza, 2015: 522. Colombia (V).
- Euplocania vallecaucana*\* Gonzalez Obando, Garcia Aldrete & Carrejo Gironza, 2015: 524. Colombia (V).
- Triplocania* Roesler. Key to the males of some species: Silva Neto *et al.*, 2015: 114.
- Triplocania bravoii*\* Silva Neto, Rafael & Garcia Aldrete, 2015: 104. Ecuador (V).
- Triplocania erwini*\* Silva Neto, Rafael & Garcia Aldrete, 2015: 107. Ecuador (V).

*Triplocania lamasoides*\* Silva Neto, Rafael & Garcia Aldrete, 2015: 109. Brazil (V).

*Triplocania trifida*\* Silva Neto, Rafael & Garcia Aldrete, 2015: 112. Brazil (V).

#### **Ptiloneuridae (Add. 16)**

Phylogeny of genera: Silva Neto *et al.*, 2016c. Modification to generic key published by Silva Neto & Garcia Aldrete (2015): Silva Neto *et al.*, 2016c: 78.

*Brasineura* Silva Neto & Garcia Aldrete, 2015. Revised generic diagnosis: Silva Neto *et al.*, 2016a: 447. Genus recognized as monophyletic: Silva Neto *et al.*, 2016c. Morphology of phallosome (terminology): Silva Neto *et al.*, 2016c (fig. 36).

*Brasineura serranortensis*\* Silva Neto, Garcia Aldrete & Rafael, 2016a: 447. Brazil (V).

*Brasineura troglophilica* Silva Neto & Garcia Aldrete, 2015. Brazil (V): Silva Neto *et al.*, 2016a (morph., figs).

*Eotriplocania*\*\* Zhang Qingqing, Nel, Azar & Wang Bo 2016: 369. Gender: F. Type species: *Eotriplocania sinica* Zhang Qingqing, Nel, Azar & Wang Bo.

*Eotriplocania sinica*\* Zhang Qingqing, Nel, Azar & Wang Bo 2016: 369. China (VIII), Eocene Fushun amber (A).

*Loneuroides* Garcia Aldrete, 2006a. Generic diagnosis, definition of two species groups, key to males: Garcia Aldrete *et al.*, 2016a. Genus recognized as monophyletic: Silva Neto *et al.*, 2016c.

*Loneuroides bretanaensis*\* Garcia Aldrete, Gonzalez Obando & Carrejo Gironza, 2016: 104. Colombia (V).

*Loneuroides colombianus*\* Garcia Aldrete, Gonzalez Obando & Carrejo Gironza, 2016: 106. Colombia (V).

*Loneuroides ledesmai*\* Garcia Aldrete, Gonzalez Obando & Carrejo Gironza, 2016: 109. Colombia (V).

*Loneuroides rionegroensis*\* Garcia Aldrete, Gonzalez Obando & Carrejo Gironza, 2016: 109. Colombia (V).

*Loneuroides santanderinus*\* Garcia Aldrete, Gonzalez Obando & Carrejo Gironza, 2016: 111. Colombia (V).

*Loneuroides tamaensis*\* Garcia Aldrete, Gonzalez Obando & Carrejo Gironza, 2016: 112. Colombia (V).

*Loneuroides venezolanus* Garcia Aldrete, 2006a. Description of male: Garcia Aldrete *et al.*, 2016a: 114. Colombia (V).

*Timnewia jeaneae*\* Silva Neto, Garcia Aldrete & Rafael, 2016d: 490. Brazil (V).

*Triplocania* Roesler. Checklist of species, sexes known and distribution: Silva Neto *et al.*, 2016b: 252.

*Triplocania calori*\* Silva Neto, Garcia Aldrete & Rafael, 2016b: 253. Brazil (V).

*Triplocania capixaba*\* Silva Neto, Garcia Aldrete & Rafael, 2016b: 253. Brazil (V).

*Triplocania ecuatoriana*\* Silva Neto, Garcia Aldrete & Rafael, 2016b: 258. Ecuador (V).

*Triplocania ecuatorianaoides*\* Silva Neto, Garcia Aldrete & Rafael, 2016b: 260. Ecuador (V).

*Triplocania fapeam*\* Silva Neto, Garcia Aldrete & Rafael, 2016b: 262. Brazil (V).

*Triplocania inpa*\* Silva Neto, Garcia Aldrete & Rafael, 2016b: 264. Brazil (V).

*Triplocania manauara*\* Silva Neto, Garcia Aldrete & Rafael, 2016b: 266. Brazil (V).

*Triplocania manueli*\* Silva Neto, Garcia Aldrete & Rafael, 2016b: 269. Brazil (V).

*Triplocania mariaelinae*\* Silva Neto, Garcia Aldrete & Rafael, 2016b: 272. Brazil (V).

*Triplocania paranaensis*\* Silva Neto, Garcia Aldrete & Rafael, 2016b: 275. Brazil (V).

*Triplocania rosae*\* Silva Neto, Garcia Aldrete & Rafael, 2016b: 275. Brazil (V).

*Triplocania triangularis*\* Silva Neto, Garcia Aldrete & Rafael, 2016b: 279. Ecuador, Peru (V).

#### **Ptiloneuridae (Add. 17)**

Genus spec. Mexico (IV): Reddell, 1982 (in cave).

*Euplocania* Enderlein. Checklist of Colombian species with distribution, definition of species groups, key to Colombian species: Gonzalez-Obando *et al.*, 2017b.

*Euplocania badonneli* New & Thornton. Colombia (V): Gonzalez-Obando *et al.*, 2017b.

- Euplocania caquetaensis*\* Gonzalez-Obando, Garcia Aldrete & Carrejo, 2017b: 85. Colombia (V).
- Euplocania gaitanae*\* Gonzalez-Obando, Garcia Aldrete & Carrejo, 2017b: 89. Colombia (V).
- Euplocania laelsa*\* Gonzalez-Obando, Garcia Aldrete & Carrejo, 2017b: 92. Colombia (V).
- Euplocania nasa*\* Gonzalez-Obando, Garcia Aldrete & Carrejo, 2017b: 95. Colombia (V).
- Euplocania yalcona*\* Gonzalez-Obando, Garcia Aldrete & Carrejo, 2017b: 97. Colombia (V).
- Loneura* Navas. Key to species: Mendivil Nieto *et al.*, 2017.
- Loneura andina* Garcia Aldrete, Mendivil Nieto & Gonzalez Obando, 2012. Description of female: Mendivil Nieto *et al.*, 2017: 518. Colombia (V).
- Loneura dapaensis*\* Mendivil Nieto, Garcia Aldrete & Gonzalez Obando, 2017: 498. Colombia (V).
- Loneura deibyi*\* Mendivil Nieto, Garcia Aldrete & Gonzalez Obando, 2017: 501. Colombia (V).
- Loneura eberhardi*\* Mendivil Nieto, Garcia Aldrete & Gonzalez Obando, 2017: 504. Colombia (V).
- Loneura farallonensis*\* Mendivil Nieto, Garcia Aldrete & Gonzalez Obando, 2017: 507. Colombia (V).
- Loneura gorgonaensis* Garcia Aldrete, Gonzalez & Sarria, 2011. Colombia (V): Mendivil Nieto *et al.*, 2017.
- Loneura monserrate*\* Mendivil Nieto, Garcia Aldrete & Gonzalez Obando, 2017: 510. Colombia (V).
- Loneura monticola* Garcia Aldrete, Gonzalez & Sarria, 2011. Colombia (V): Mendivil Nieto *et al.*, 2017.
- Loneura quimbaya*\* Mendivil Nieto, Garcia Aldrete & Gonzalez Obando, 2017: 513. Colombia (V).
- Loneura univalle*\* Mendivil Nieto, Garcia Aldrete & Gonzalez Obando, 2017: 515. Colombia (V).
- Triplocania* Roesler. Checklist of species with distribution, definition of species groups, key to Colombian species: Gonzalez-Obando *et al.*, 2017a.
- Triplocania amacayacuensis*\* Gonzalez-Obando, Carrejo-Gironza & Garcia Aldrete, 2017a: 10. Colombia (V).
- Triplocania anchicayaensis*\* Gonzalez-Obando, Carrejo-Gironza & Garcia Aldrete, 2017a: 10. Colombia (V).
- Triplocania andaqui*\* Gonzalez-Obando, Carrejo-Gironza & Garcia Aldrete, 2017a: 14. Colombia (V).
- Triplocania arhuaca*\* Gonzalez-Obando, Carrejo-Gironza & Garcia Aldrete, 2017a: 17. Colombia (V).
- Triplocania asisensis*\* Gonzalez-Obando, Carrejo-Gironza & Garcia Aldrete, 2017a: 20. Colombia (V).
- Triplocania awa*\* Gonzalez-Obando, Carrejo-Gironza & Garcia Aldrete, 2017a: 22. Colombia (V).
- Triplocania bicornuta*\* Gonzalez-Obando, Carrejo-Gironza & Garcia Aldrete, 2017a: 25. Colombia (V).
- Triplocania bubuae*\* Gonzalez-Obando, Carrejo-Gironza & Garcia Aldrete, 2017a: 28. Colombia (V).
- Triplocania calima*\* Gonzalez-Obando, Carrejo-Gironza & Garcia Aldrete, 2017a: 28. Colombia (V).
- Triplocania camentsa*\* Gonzalez-Obando, Carrejo-Gironza & Garcia Aldrete, 2017a: 32. Colombia (V).
- Triplocania cantatis*\* Gonzalez-Obando, Carrejo-Gironza & Garcia Aldrete, 2017a: 34. Colombia (V).
- Triplocania caribe*\* Gonzalez-Obando, Carrejo-Gironza & Garcia Aldrete, 2017a: 37. Colombia (V).
- Triplocania chocoensis*\* Gonzalez-Obando, Carrejo-Gironza & Garcia Aldrete, 2017a: 38. Colombia (V).

- Triplocania dimitrii*\* Gonzalez-Obando, Carrejo-Gironza & Garcia Aldrete, 2017a: 40. Colombia (V).
- Triplocania embera*\* Gonzalez-Obando, Carrejo-Gironza & Garcia Aldrete, 2017a: 43. Colombia (V).
- Triplocania erwini* Silva Neto, Rafael & Garcia Aldrete, 2015. Description of female: Gonzalez-Obando *et al.*, 2017a: 89. Colombia (V).
- Triplocania felidiaensis*\* Gonzalez-Obando, Carrejo-Gironza & Garcia Aldrete, 2017a: 45. Colombia (V).
- Triplocania furcata* New. Description of female: Gonzalez-Obando *et al.*, 2017a: 103. Colombia (V).
- Triplocania furcatoides*\* Gonzalez-Obando, Carrejo-Gironza & Garcia Aldrete, 2017a: 89. Colombia (V).
- Triplocania garciamarquezi*\* Gonzalez-Obando, Carrejo-Gironza & Garcia Aldrete, 2017a: 48. Colombia (V).
- Triplocania guane*\* Gonzalez-Obando, Carrejo-Gironza & Garcia Aldrete, 2017a: 51. Colombia (V).
- Triplocania huilaensis*\* Gonzalez-Obando, Carrejo-Gironza & Garcia Aldrete, 2017a: 93. Colombia (V).
- Triplocania huitota*\* Gonzalez-Obando, Carrejo-Gironza & Garcia Aldrete, 2017a: 51. Colombia (V).
- Triplocania humboldtiana*\* Gonzalez-Obando, Carrejo-Gironza & Garcia Aldrete, 2017a: 55. Colombia (V).
- Triplocania inga*\* Gonzalez-Obando, Carrejo-Gironza & Garcia Aldrete, 2017a: 57. Colombia (V).
- Triplocania kichwa*\* Gonzalez-Obando, Carrejo-Gironza & Garcia Aldrete, 2017a: 59. Colombia (V).
- Triplocania korebaju*\* Gonzalez-Obando, Carrejo-Gironza & Garcia Aldrete, 2017a: 59. Colombia (V).
- Triplocania lamasi* Silva Neto, Rafael & Garcia Aldrete, 2014. Description of female: Gonzalez-Obando *et al.*, 2017a: 103. Colombia (V).
- Triplocania lamasoides* Silva Neto, Rafael & Garcia Aldrete, 2015. Colombia (V): Gonzalez-Obando *et al.*, 2017a.
- Triplocania lamensuraensis*\* Gonzalez-Obando, Carrejo-Gironza & Garcia Aldrete, 2017a: 95. Colombia (V).
- Triplocania lapayaensis*\* Gonzalez-Obando, Carrejo-Gironza & Garcia Aldrete, 2017a: 62. Colombia (V).
- Triplocania leguizamoensis*\* Gonzalez-Obando, Carrejo-Gironza & Garcia Aldrete, 2017a: 98. Colombia (V).
- Triplocania lithophila*\* Gonzalez-Obando, Carrejo-Gironza & Garcia Aldrete, 2017a: 62. Colombia (V).
- Triplocania mariacarmenae*\* Gonzalez-Obando, Carrejo-Gironza & Garcia Aldrete, 2017a: 66. Colombia (V).
- Triplocania matildae*\* Gonzalez-Obando, Carrejo-Gironza & Garcia Aldrete, 2017a: 68. Colombia (V).
- Triplocania mocoensis*\* Gonzalez-Obando, Carrejo-Gironza & Garcia Aldrete, 2017a: 70. Colombia (V).
- Triplocania motilona*\* Gonzalez-Obando, Carrejo-Gironza & Garcia Aldrete, 2017a: 73. Colombia (V).
- Triplocania otunquimbayaensis*\* Gonzalez-Obando, Carrejo-Gironza & Garcia Aldrete, 2017a: 98. Colombia (V).
- Triplocania panchei*\* Gonzalez-Obando, Carrejo-Gironza & Garcia Aldrete, 2017a: 73. Colombia (V).
- Triplocania pericosensis*\* Gonzalez-Obando, Carrejo-Gironza & Garcia Aldrete, 2017a: 76. Colombia (V).

- Triplocania robustoides*\* Gonzalez-Obando, Carrejo-Gironza & Garcia Aldrete, 2017a: 78. Colombia (V).
- Triplocania rugosa*\* Gonzalez-Obando, Carrejo-Gironza & Garcia Aldrete, 2017a: 78. Colombia (V).
- Triplocania sarmaca*\* Gonzalez-Obando, Carrejo-Gironza & Garcia Aldrete, 2017a: 82. Colombia (V).
- Triplocania sarriae*\* Gonzalez-Obando, Carrejo-Gironza & Garcia Aldrete, 2017a: 101. Colombia (V).
- Triplocania sevillaensis*\* Gonzalez-Obando, Carrejo-Gironza & Garcia Aldrete, 2017a: 84. Colombia (V).
- Triplocania yanacona*\* Gonzalez-Obando, Carrejo-Gironza & Garcia Aldrete, 2017a: 84. Colombia (V).

### **Ptiloneuridae (Add. 18)**

- 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 katiös*\* 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 tuluensis* 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 andaquí* 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.

#### **Ptiloneuridae (Add. 19)**

- Euplocania* Enderlein. Checklist of all known species with distribution (countries), key to species from Brazil, definition of a new species group (*quinquedivisa* group): Silva Neto *et al.*, 2019a.
- Euplocania bujariensis*\* Silva Neto, Garcia Aldrete & Rafael, 2019a: 376. Brazil (V).
- Euplocania cearaensis*\* Silva Neto, Garcia Aldrete & Rafael, 2019a: 378. Brazil (V).
- Euplocania hutchingsi*\* Silva Neto, Garcia Aldrete & Rafael, 2019a: 378. Brazil (V).
- Euplocania pseudopictaoides*\* Silva Neto, Garcia Aldrete & Rafael, 2019a: 381. Brazil (V).
- Euplocania quinquedivisa*\* Silva Neto, Garcia Aldrete & Rafael, 2019a: 383. Brazil (V).
- Euplocania uariniensis*\* Silva Neto, Garcia Aldrete & Rafael, 2019a: 385. Brazil (V).
- Euplocania xavieri*\* Silva Neto, Garcia Aldrete & Rafael, 2019a: 385. Brazil (V).
- Loneura* Navas. Checklist of species with distribution (countries): Lima *et al.*, 2019.
- Loneura baiana*\* Lima, Silva-Neto, Garcia Aldrete & Bravo, 2019: 180. Brazil (V).
- Loneura maracaensis* Garcia Aldrete, 2004e. Description of female: Lima *et al.*, 2019: 182; with remarks on wing venation in males. Brazil (V).
- Triplocania lamasi* Silva Neto, Rafael & Garcia Aldrete, 2014. Data about type material: Silva Neto *et al.*, 2019b.

#### **Ptiloneuridae (Add. 20)**

- Checklist of species recorded from Brazil (V): Silva-Neto & Garcia Aldrete, 2020.  
 Silva-Neto, 2017 (taxonomy and phylogeny of Ptiloneuridae, doctoral thesis).

*Brasineura* Silva Neto & Garcia Aldrete, 2015. Key to males: Lima *et al.*, 2020.

*Brasineura calori*\* Lima, Silva-Neto, Garcia Aldrete & Bravo, 2020: 376. Brazil (V).

*Brasineura diamantina* Silva Neto & Garcia Aldrete, 2015. Brazil (V): Lima *et al.*, 2020 (variation of wing venation).

*Brasineura jiboia* Silva Neto, Garcia Aldrete & Rafael, 2018. Deposition of type material: Silva Ferreira *et al.*, 2020.

*Brasineura morrense*\* Lima, Silva-Neto, Garcia Aldrete & Bravo, 2020: 379. Brazil (V).

*Brasineura trogliphilica* Silva Neto & Garcia Aldrete, 2015. Brazil (V): Lima *et al.*, 2020 (variation of wing venation).

*Euplocania* Enderlein. Checklist of Brazilian species: Araujo Barroso *et al.*, 2020 (Table 1).

*Euplocania quinquedivisa* Silva Neto, Garcia Aldrete & Rafael, 2019a. Description of female: Araujo Barroso *et al.*, 2020. Brazil (V).

*Loneura* Navas. Redefinition of genus, phylogenetic analysis: Garcia Aldrete *et al.*, 2020. Checklist of species, key to males: Gonzalez Obando *et al.*, 2020b.

*Loneura altaquerensis*\* Gonzalez Obando, Carrejo Gironza, Panche & Garcia Aldrete, 2020b: 213. Colombia (V).

*Loneura amazonica* (New). Garcia Aldrete *et al.*, 2020: 294 (**from** *Ptiloneura*).

*Loneura carijona*\* Gonzalez Obando, Carrejo Gironza, Panche & Garcia Aldrete, 2020b: 215. Colombia (V).

*Loneura colombiana* Garcia Aldrete, Gonzalez & Carrejo, 2011. Description of female: Gonzalez Obando *et al.*, 2020b. Colombia (V)

*Loneura erwini* (New & Thornton). Garcia Aldrete *et al.*, 2020: 294 (**from** *Ptiloneura*).

*Loneura garcialdretei*\* Gonzalez Obando & Carrejo Gironza, 2020: 138. Peru (V).

*Loneura gorgonaensis* Garcia Aldrete, Gonzalez & Sarria, 2011. Description of female: Gonzalez Obando *et al.*, 2020b. Colombia (V).

*Loneura javierensis*\* Gonzalez Obando, Carrejo Gironza, Panche & Garcia Aldrete, 2020b: 217. Colombia (V).

*Loneura koreguaje*\* Gonzalez Obando, Carrejo Gironza, Panche & Garcia Aldrete, 2020b: 220. Colombia (V).

*Loneura magdalenensis*\* Gonzalez Obando, Carrejo Gironza, Panche & Garcia Aldrete, 2020b: 206. Colombia (V).

*Loneura misak*\* Gonzalez Obando, Carrejo Gironza, Panche & Garcia Aldrete, 2020b: 220. Colombia (V).

*Loneura murui*\* Gonzalez Obando, Carrejo Gironza, Panche & Garcia Aldrete, 2020b: 239. Colombia (V).

*Loneura nonuya*\* Gonzalez Obando, Carrejo Gironza, Panche & Garcia Aldrete, 2020b: 223. Colombia (V).

*Loneura occidentalis*\* Gonzalez Obando, Carrejo Gironza, Panche & Garcia Aldrete, 2020b: 226. Colombia (V).

*Loneura orucapu*\* Gonzalez Obando, Carrejo Gironza, Panche & Garcia Aldrete, 2020b: 229. Colombia (V).

*Loneura quinaría* (Navas). Garcia Aldrete *et al.*, 2020: 294 (**from** *Ptiloneura*).

*Loneura tatama*\* Gonzalez Obando, Carrejo Gironza, Panche & Garcia Aldrete, 2020b: 232. Colombia (V).

*Loneura tayronensis*\* Gonzalez Obando, Carrejo Gironza, Panche & Garcia Aldrete, 2020b: 207. Colombia (V).

*Loneura tendalensis*\* Gonzalez Obando, Carrejo Gironza, Panche & Garcia Aldrete, 2020b: 210. Colombia (V).

*Loneura univalle* Mendivil Nieto, Garcia Aldrete & Gonzalez Obando, 2017. Colombia (V): Gonzalez Obando *et al.*, 2020b.

*Loneura zuluagai*\* Gonzalez Obando, Carrejo Gironza, Panche & Garcia Aldrete, 2020b: 235. Colombia (V).

*Ptiloneura* Enderlein. Redefinition of genus, phylogenetic analysis: Garcia Aldrete *et al.*, 2020. Checklist of species, key to males, phylogenetic analysis: Gonzalez Obando *et al.*, 2020a.

*Loneuroides* Garcia Aldrete, 2006a. **Synonymy**: Garcia Aldrete *et al.*, 2020: 293.

*Ptiloneura andina* (Garcia Aldrete, Mendivil Nieto & Gonzalez Obando, 2012). Garcia Aldrete *et al.*, 2020: 293 (**from** *Loneuroides*). Colombia (V): Gonzalez Obando *et al.*, 2020a.

*Ptiloneura andoque*\* Gonzalez Obando, Garcia Aldrete & Carrejo Gironza, 2020a: 410. Colombia (V).

*Ptiloneura baiana* (Silva Neto, Garcia Aldrete & Rafael, 2018). Garcia Aldrete *et al.*, 2020: 293 (**from** *Loneuroides*). Deposition of type material: Silva Ferreira *et al.*, 2020.

*Ptiloneura bernali*\* Gonzalez Obando, Carrejo Gironza & Garcia Aldrete, 2020a: 413. Colombia (V).

*Ptiloneura bretanaensis* (Garcia Aldrete, Gonzalez Obando & Carrejo Gironza, 2016). Garcia Aldrete *et al.*, 2020: 293 (**from** *Loneuroides*).

*Ptiloneura buitrerensis*\* Gonzalez Obando, Carrejo Gironza & Garcia Aldrete, 2020a: 416. Colombia (V).

*Ptiloneura caguanensis*\* Gonzalez Obando, Carrejo Gironza & Panche, 2020a: 418. Colombia (V).

*Ptiloneura canoae*\* Gonzalez Obando, Carrejo Gironza & Panche, 2020a: 420. Colombia (V).

*Ptiloneura cipeca*\* Garcia Aldrete, Carrejo Gironza & Panche, 2020a: 420. Colombia (V).

*Ptiloneura colombiana* (Garcia Aldrete, Gonzalez Obando & Carrejo Gironza, 2016). Garcia Aldrete *et al.*, 2020: 293 (**from** *Loneuroides*).

*Ptiloneura columnaris*\* Garcia Aldrete, Gonzalez Obando, & Carrejo Gironza, 2020: 296. Colombia (V).

*Ptiloneura cuzcoensis*\* Garcia Aldrete, Gonzalez Obando, & Carrejo Gironza, 2020: 300. Peru (V).

*Ptiloneura dapaensis* (Mendivil Nieto, Garcia Aldrete & Gonzalez Obando, 2017). Garcia Aldrete *et al.*, 2020: 293 (**from** *Loneuroides*). Colombia (V): Gonzalez Obando *et al.*, 2020a.

*Ptiloneura eberhardi* (Mendivil Nieto, Garcia Aldrete & Gonzalez Obando, 2017). Garcia Aldrete *et al.*, 2020: 293 (**from** *Loneuroides*).

*Ptiloneura hernandezii*\* Gonzalez Obando, Carrejo Gironza & Garcia Aldrete, 2020a: 423. Colombia (V).

*Ptiloneura hinestrozae*\* Gonzalez Obando, Carrejo Gironza & Panche, 2020a: 425. Colombia (V).

*Ptiloneura jinotegaensis* (Garcia Aldrete, 2007a). Garcia Aldrete *et al.*, 2020: 293 (**from** *Loneuroides*).

*Ptiloneura kogui*\* Garcia Aldrete, Gonzalez Obando & Carrejo Gironza, 2020a: 428. Colombia (V).

*Ptiloneura ledesmai* (Garcia Aldrete, Gonzalez Obando & Carrejo Gironza, 2016). Garcia Aldrete *et al.*, 2020: 293 (**from** *Loneuroides*).

*Ptiloneura mirandaensis* (Garcia Aldrete, 2007). Garcia Aldrete *et al.*, 2020: 294 (**from** *Loneuroides*).

*Ptiloneura monserrate* (Mendivil Nieto, Garcia Aldrete & Gonzalez Obando, 2017). Garcia Aldrete *et al.*, 2020: 294 (**from** *Loneuroides*). Colombia (V): Gonzalez Obando *et al.*, 2020a.

*Ptiloneura mutisi*\* Garcia Aldrete, Gonzalez Obando & Carrejo Gironza, 2020a: 430. Colombia (V).

*Ptiloneura otunensis*\* Carrejo Gironza, Gonzalez Obando & Garcia Aldrete, 2020a: 430. Colombia (V).

*Ptiloneura putumayensis*\* Gonzalez Obando, Carrejo Gironza & Panche, 2020a: 434. Colombia (V).

*Ptiloneura quimbaya* (Mendivil Nieto, Garcia Aldrete & Gonzalez Obando, 2017). Garcia Aldrete *et al.*, 2020: 294 (**from** *Loneuroides*). Colombia (V): Gonzalez Obando *et al.*, 2020a.

*Ptiloneura rionegroensis* (Garcia Aldrete, Gonzalez Obando & Carrejo Gironza, 2016). Garcia Aldrete *et al.*, 2020: 294 (**from** *Loneuroides*).

*Ptiloneura santanderina* (Garcia Aldrete, Gonzalez Obando & Carrejo Gironza, 2016). Garcia Aldrete *et al.*, 2020: 294 (**from** *Loneuroides*).

- Ptiloneura tamaensis* (Garcia Aldrete, Gonzalez Obando & Carrejo Gironza, 2016). Garcia Aldrete *et al.*, 2020: 294 (**from** *Loneuroides*).
- Ptiloneura timancoi*\* Carrejo Gironza, Gonzalez Obando & Garcia Aldrete, 2020a: 436. Colombia (V).
- Ptiloneura tuluensis* (Garcia Aldrete, Mendivil Nieto & Gonzalez Obando, 2012). Garcia Aldrete *et al.*, 2020: 294 (**from** *Loneuroides*).
- Ptiloneura tunkywasi*\* Carrejo Gironza, Gonzalez Obando & Garcia Aldrete, 2020a: 438. Peru (V).
- Ptiloneura venezolana* (Garcia Aldrete, 2006a). Garcia Aldrete *et al.*, 2020: 294 (**from** *Loneuroides*).
- Ptiloneura yari*\* Carrejo Gironza, Gonzalez Obando & Panche, 2020a: 441. Colombia (V).
- Ptiloneuropsis diamantina* Silva Neto, Garcia Aldrete & Rafael, 2018. Deposition of type material: Silva Ferreira *et al.*, 2020.
- Triplocania* Roesler. Definition of *magnifica* species group: Silva-Neto *et al.*, 2019. Key to Ecuadorian (V) species: Silva Neto *et al.*, 2020.
- Triplocania alfonsoi*\* Silva Neto, Moreira de Castro & Rafael, 2020: 160. Ecuador (V).
- Triplocania magnifica* Roesler. Assigned to *magnifica* species group: Silva-Neto *et al.*, 2019.
- Triplocania manueli* Silva Neto, Garcia Aldrete & Rafael, 2016. Deposition of type material: Silva Ferreira *et al.*, 2020. Assigned to *magnifica* species group: Silva-Neto *et al.*, 2019.
- Triplocania pumas*\* Silva Neto, Moreira de Castro & Rafael, 2020: 161. Ecuador (V).
- Triplocania rosae* Silva Neto, Garcia Aldrete & Rafael, 2016b. Assigned to *magnifica* species group: Silva-Neto *et al.*, 2019. Brazil (V): Silva-Neto *et al.*, 2019.

## EPIPSOCIDAE / NEUROSTIGMATIDAE (Add. 11-20)

### Epipsocidae (Add. 11)

- Bertkauia lucifuga* (Rambur). Finland (I): Kanervo, 2010. Germany (I): Günther & Lienhard, 2011. Greece (I): Hollier *et al.*, 2011. Azores (II): Baz, 2010.
- Mesepipsocus* spec. Dominica (IV): Garcia Aldrete, 2011a.

### Epipsocidae (Add. 12)

- Bertkauia crosbyana* Chapman. North America (III): Mockford, 2012a (biogeography).
- Bertkauia lepicidinaria* Chapman. North America (III): Mockford, 2012a (biogeography).
- Bertkauia lucifuga* (Rambur). Germany (I): Willig, 2002; Schneider *et al.*, 2012 (phenol.). Russia (I): Golub, 2007 (ecol.). Spain (I): Montserrat Larrosa & Barrientos Alfageme, 1999; Baz, 2003. Switzerland (I): Lienhard, 2012b.
- Epipsocus* spec. Dominican Republic (IV) in Dominican amber (A): Poinar & Poinar, 1999.
- Epipsocus avus* (Roesler). Baltic amber (I) (A): Scheven, 2004 (photograph).
- Epipsocus petenensis* Mockford. North America (III): Mockford, 2012a (biogeography).
- Goja* Navas. Genus redefined, species listed: Garcia Aldrete, 2012c: 254.
- Gojaoides*\*\* Garcia Aldrete, 2012c: 255. Gender: F (genus name treated as feminine by its author, see ICZN Art. 30.1.4.4.). Type species: *Epipsocus pictus* Banks.
- Gojaoides aviceps* (Badonnel). Garcia Aldrete, 2012c: 255 (**from** *Goja*).
- Gojaoides bogotana* (Roesler). Garcia Aldrete, 2012c: 255 (**from** *Goja*).
- Gojaoides cornuta* (Casasola Gonzalez & Garcia Aldrete, 2002). Garcia Aldrete, 2012c: 255 (**from** *Goja*).
- Gojaoides cubitalis* (Mockford). Garcia Aldrete, 2012c: 255 (**from** *Goja*).
- Gojaoides erwini* (Casasola Gonzalez & Garcia Aldrete, 2002). Garcia Aldrete, 2012c: 255 (**from** *Goja*).
- Gojaoides latiphallica* (Casasola Gonzalez & Garcia Aldrete, 2002). Garcia Aldrete, 2012c: 255 (**from** *Goja*).
- Gojaoides longiareola* (Casasola Gonzalez & Garcia Aldrete, 2002). Garcia Aldrete, 2012c: 255 (**from** *Goja*).
- Gojaoides molinai* (Williner). Garcia Aldrete, 2012c: 255 (**from** *Goja*).

*Gojaoides nebulosa* (Roesler). Garcia Aldrete, 2012c: 255 (**from Goja**).

*Gojaoides pechi* (Williner). Garcia Aldrete, 2012c: 255 (**from Goja**).

*Gojaoides picta* (Banks). Garcia Aldrete, 2012c: 255 (**from Goja**).

*Gojaoides plaumanni* (Roesler). Garcia Aldrete, 2012c: 255 (**from Goja**).

*Gojaoides robusta* (Casasola Gonzalez & Garcia Aldrete, 2002). Garcia Aldrete, 2012c: 255 (**from Goja**).

*Gojaoides semiaptera* (Mockford). Garcia Aldrete, 2012c: 255 (**from Goja**).

*Gojaoides spiculata* (Casasola Gonzalez & Garcia Aldrete, 2002). Garcia Aldrete, 2012c: 255 (**from Goja**).

*Gonzobandia*\*\* Garcia Aldrete, 2012c: 248. Gender: F. Type species: *Gonzobandia nancyae* Garcia Aldrete.

*Gonzobandia nancyae*\* Garcia Aldrete, 2012c: 249. Colombia (V).

*Mesepipsocus campanulatus* (Thornton & Woo). Galapagos (X): Peck, 2012.

*Mesepipsocus niger* (New). North America (III): Mockford, 2012a (biogeography)

### **Epipsocidae (Add. 13)**

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.

### **Epipsocidae (Add. 14)**

Yoshizawa & Johnson, 2014: Phylogeny, family status confirmed, Neurostigmatidae treated as a junior synonym (as proposed by Casasola Gonzalez, 2006a, 2006b).

*Bertkauia lucifuga* (Rambur). Germany (I): Blick & Dorow, 2014a, 2014b.

*Epipsocus* spec. Brazil (V): Silva Neto *et al.*, 2014a. Colombia (V): Sarria *et al.*, 2014a.

*Goja* spec. Colombia (V): Sarria *et al.*, 2014a, 2014b.

*Mesepipsocus* spec. Brazil (V): Silva Neto *et al.*, 2014a. Colombia (V): Sarria *et al.*, 2014a, 2014b.

*Neurostigma* spec. Brazil (V): Silva Neto *et al.*, 2014a.

### **Epipsocidae (Add. 15)**

Key to genera found in Colombia (V): Garcia Aldrete *et al.*, 2015: 166.

*Anastomopsocus*\*\* Garcia Aldrete, Mendivil Nieto & Gonzalez Obando, 2015: 163. Gender: M.  
Type species: *Anastomopsocus vallecaucanus* Garcia Aldrete, Mendivil Nieto & Gonzalez Obando.

*Anastomopsocus vallecaucanus*\* Garcia Aldrete, Mendivil Nieto & Gonzalez Obando, 2015: 164. Colombia (V).

*Bertkauia lucifuga* (Rambur). Malta (I): Lienhard & Mifsud, 2015.

*Edmockfordia* Garcia Aldrete, 2009a. Revised diagnosis and key to species: Mendivil Nieto *et al.*, 2015: 53.

*Edmockfordia calderonae*\* Mendivil Nieto, Gonzalez Obando & Garcia Aldrete, 2015: 46. Colombia (V).

*Edmockfordia chiquibulensis* Garcia Aldrete, 2009a. Description of female: Mendivil Nieto *et al.*, 2015: 51. Belize (IV).

*Edmockfordia saenzi*\* Mendivil Nieto, Gonzalez Obando & Garcia Aldrete, 2015: 48. Colombia (V).

*Periepipsocus*\*\* Garcia Aldrete, Mendivil Nieto & Gonzalez Obando, 2015: 165. Gender: M.  
Type species: *Periepipsocus caliensis* Garcia Aldrete, Mendivil Nieto & Gonzalez Obando.

*Periepipsocus caliensis*\* Garcia Aldrete, Mendivil Nieto & Gonzalez Obando, 2015: 165. Colombia (V).

### **Epipsocidae (Add. 16)**

*Bertkauia lucifuga* (Rambur). Germany (I): Schmidt, 2015. Romania (I): Moldovan *et al.*, 2007. Russia (I): Golub, 2016.

*Bertkauia marusiki* Mockford, 2003c. Japan (VIII): Yoshizawa, 2016c.

*Bertkauia minuscula* Mockford, 2003c. Japan (VIII): Yoshizawa, 2016c.

*Epipsocus fasciicornis* Okamoto. Japan (VIII): Yoshizawa, 2016c.

### **Epipsocidae (Add. 17)**

*Bertkauia lucifuga* (Rambur). Bulgaria (I): Georgiev, 2017d.

*Cuscopsocus*\*\* Garcia Aldrete, 2017a: 121. Gender: M. Type species: *Cuscopsocus spinosus* Garcia Aldrete.

*Cuscopsocus spinosus*\* Garcia Aldrete, 2017a: 122. Peru (V).

*Goja* spec. Morph.: Ogawa & Yoshizawa, 2017b (in-flight wing-coupling structure).

*Ianthorntonia dorbignyi*\* Garcia Aldrete, 2017e: 124. Bolivia (V).

*Ianthorntonia marshalli* Garcia Aldrete, 2004g. Description of female: Garcia Aldrete, 2017e: 125. Bolivia (V).

### **Epipsocidae (Add. 18)**

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.

#### **Epipsocidae (Add. 19)**

Canada (III): Anonby, 2019 (2 species of Epipsocidae known from Canada, not listed).  
*Bertkauia lucifuga* (Rambur). Bulgaria (I): Georgiev, 2019.

#### **Epipsocidae (Add. 20)**

Checklist of species recorded from Brazil (V): Silva-Neto & Garcia Aldrete, 2020.  
*Bertkauia lucifuga* (Rambur). Bulgaria (I): Georgiev, 2020b, 2020c.  
*Epipsocus manausensis*\* Garcia Aldrete & Silva Neto, 2019: 2. Brazil (V).  
*Goja bicuspidata*\* Casasola-Gonzalez, 2020: 144. Mexico (IV).  
*Goja cuspidata*\* Casasola-Gonzalez, 2020: 143. Mexico (IV).  
*Goja garcialdretei*\* Casasola-Gonzalez, 2020: 142. Mexico (IV).  
*Neurostigma* Enderlein. Checklist of species and key to males: Mendivil Nieto *et al.*, 2020.  
*Neurostigma enderleini* New. Fig.: Mendivil Nieto *et al.*, 2020.  
*Neurostigma garcialdretei*\* Mendivil Nieto, Gonzalez Obando & Carrejo Gironza, 2020: 132. Colombia (V).  
*Neurostigma xanthopterum* New. Figs: Mendivil Nieto *et al.*, 2020.

#### **PSOCETAE (Add. 11-20)**

##### **Psocetae (Add. 14)**

Yoshizawa & Johnson, 2014: Phylogeny, infraorder status confirmed. Four families recognized:  
Hemipsocidae, Psilopsocidae, Myopsocidae, Psocidae.

#### **HEMIPSOCIDAE (Add. 11-20)**

##### **Hemipsocidae (Add. 11)**

*Hemipsocus* spec. Dominica (IV): Garcia Aldrete, 2011a.  
*Hemipsocus africanus* Enderlein. Colombia (V): Sarria, 2011.

##### **Hemipsocidae (Add. 12)**

*Hemipsocus* spec. Dominican Republic (IV) in Dominican amber (A): Poinar & Poinar, 1999.  
*Hemipsocus chloroticus* (Hagen). North America (III): Mockford, 2012a (biogeography).  
*Hemipsocus pretiosus* Banks. North America (III): Mockford, 2012a (biogeography).

**Hemipsocidae (Add. 13)**

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

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

**Hemipsocidae (Add. 14)**

Yoshizawa & Johnson, 2014: Phylogeny, family status confirmed.

*Hemipsocus* spec. Brazil (V): Silva Neto *et al.*, 2014a.

*Hemipsocus africanus* Enderlein. Colombia (V): Sarria *et al.*, 2014a, 2014b.

**Hemipsocidae (Add. 16)**

*Hemipsocus chloroticus* (Hagen). Japan (VIII): Yoshizawa, 2016c.

**Hemipsocidae (Add. 17)**

*Hemipsocus chloroticus* (Hagen). Morph.: Ogawa & Yoshizawa, 2017b (in-flight wing-coupling structure).

**Hemipsocidae (Add. 18)**

*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).

**Hemipsocidae (Add. 19)**

*Hemipsocus pallidus* New & Thornton. Data about type material: Silva Neto *et al.*, 2019b.

**Hemipsocidae (Add. 20)**

Checklist of species recorded from Brazil (V): Silva-Neto & Garcia Aldrete, 2020.

**PSILOPSOCIDAE (Add. 11-20)**

**Psilopsocidae (Add. 12)**

*Psilopsocus mimulus* Smithers. Australia (IX): New, 2012 (photograph of nymph and adult).

**Psilopsocidae (Add. 14)**

Yoshizawa & Johnson, 2014: Phylogeny, family status confirmed.

**Psilopsocidae (Add. 17)**

*Psilopsocus malayanus* New & Lee. Morph.: Ogawa & Yoshizawa, 2017b (in-flight wing-coupling structure; species name misspelled *malayensis*).

**Psilopsocidae (Add. 18)**

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

**MYOPSOCIDAE (Add. 11-20)**

**Myopsocidae (Add. 11)**

*Lichenomima* spec. Dominica (IV): Garcia Aldrete, 2011a.

*Myopsocus eatoni* McLachlan. Azores (II): Baz, 2010. Saint Helena (II): Mendel *et al.*, 2008; Lienhard & Ashmole, 2011.

**Myopsocidae (Add. 12)**

*Lichenomima* spec. North America (III): Mockford, 2012a (biogeography). USA (III): Coots *et*

*al.*, 2012b (ecol.).

*Lichenomima chelata* (Thornton & Woo). Galapagos (X): Peck, 2012.

*Lichenomima coloradensis* (Banks). North America (III): Mockford, 2012a (biogeography).

*Lichenomima lugens* (Hagen). North America (III): Mockford, 2012a (biogeography). USA (III): Coots *et al.*, 2012a (ecol.).

*Lichenomima sparsa* (Hagen). North America (III): Mockford, 2012a (biogeography).

*Myopsocus* spec. North America (III): Mockford, 2012 (biogeography).

*Myopsocus antillanus* (Mockford). North America (III): Mockford, 2012a (biogeography).

*Myopsocus eatoni* McLachlan. France (I): Thomas, 2011. Spain (I): Baz, 2003. North America (III): Mockford, 2012a (biogeography).

*Myopsocus minutus* (Mockford). North America (III): Mockford, 2012a (biogeography).

#### **Myopsocidae (Add. 13)**

*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.

#### **Myopsocidae (Add. 14)**

Yoshizawa & Johnson, 2014: Phylogeny, family status confirmed.

*Lichenomima* spec. Brazil (V): Silva Neto *et al.*, 2014a. Colombia (V): Sarria *et al.*, 2014a, 2014b.

*Myopsocus* spec. Brazil (V): Silva Neto *et al.*, 2014a. Colombia (V): Sarria *et al.*, 2014a, 2014b. Fig.: Lopez, 2015 (habitus photograph).

#### **Myopsocidae (Add. 15)**

*Myopsocus* spec. USA (III): Naughton *et al.*, 2015.

*Myopsocus eatoni* McLachlan. Malta (I): Lienhard & Mifsud, 2015.

#### **Myopsocidae (Add. 16)**

*Lichenomima muscosa* (Enderlein). Japan (VIII): Yoshizawa, 2016c.

*Lophopterygella camelina* Enderlein. Not known from present day Japan (VIII): Yoshizawa, 2016c: 18.

#### **Myopsocidae (Add. 18)**

*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.

#### **Myopsocidae (Add. 19)**

Canada (III): Anonby, 2019 (2 species of Myopsocidae known from Canada, not listed).

*Lichenomima pulchella* (New & Thornton). Data about type material: Silva Neto *et al.*, 2019b.

*Myopsocus arthuri* Nel, Waller & Poinar, 2006. Description of female: Hakim *et al.*, 2019a: 141; Dominican Republic (IV), in Tertiary amber, Miocene (A).

*Myopsocus minor* (New & Thornton). Data about type material: Silva Neto *et al.*, 2019b.

#### **Myopsocidae (Add. 20)**

Checklist of species recorded from Brazil (V): Silva-Neto & Garcia Aldrete, 2020.

*Myopsocus arthuri* Nel., 2006. Mid-Miocene Dominican Amber (A) (IV): Hakim *et al.*, 2019c.

## PSOCIDAE (Add. 11-20)

### **Psocidae (Add. 11)**

Molecular phylogeny: Yoshizawa *et al.*, 2011.

Definition of three subfamilies (Kaindipsocinae, Amphigerontiinae, Psocinae), based on morphology of male terminalia and molecular analysis: Yoshizawa *et al.*, 2011.

*Amphigerontia bifasciata* (Latreille). Finland (I): Kanervo, 2010. Germany (I): Günther & Lienhard, 2011.

*Amphigerontia contaminata* (Stephens). Finland (I): Kanervo, 2010. Germany (I): Günther & Lienhard, 2011.

*Amphigerontia intermedia* (Tetens). Finland (I): Kanervo, 2010; Kanervo & Söderman, 2010 (species on Red List).

*Atlantopsocus adustus* (Hagen). Great Britain (I): Alexander, 2009b. Azores (II): Baz, 2010.

*Blaste* spec. Dominica (IV): Garcia Aldrete, 2011a.

*Blaste basilewskyi* Badonnel. Saint Helena (II): Mendel *et al.*, 2008; Lienhard & Ashmole, 2011 (figs).

*Blaste helenae*\* Lienhard, 2011; *in*: Lienhard & Ashmole, 2011: 439. Saint Helena (II).

*Blaste conspurcata* (Rambur). Finland (I): Kanervo, 2010. Germany (I): Günther & Lienhard, 2011. Greece (I): Hollier *et al.*, 2011.

'*Blaste*' *lunulata* species group. Assigned to subfamily Kaindipsocinae, morphology of male terminalia discussed: Yoshizawa *et al.*, 2011.

*Blaste quadrimaculata* (Latreille). Germany (I): Günther & Lienhard, 2011. Great Britain (I): Alexander, 2008c.

*Clematostigma* Enderlein. Assigned to subfamily Kaindipsocinae, morphology of male terminalia discussed: Yoshizawa *et al.*, 2011.

*Hyalopsocus contrarius* (Reuter). Finland (I): Kanervo, 2010. Germany (I): Günther & Lienhard, 2011.

*Hyalopsocus morio* (Latreille). Germany (I): Günther & Lienhard, 2011.

*Indiopsocus* spec. Dominica (IV): Garcia Aldrete, 2011a.

*Indiopsocus mendeli*\* Lienhard, 2011; *in*: Lienhard & Ashmole, 2011: 441. Ascension Island (II).

*Kaindipsocus* Smithers & Thornton. Assigned to subfamily Kaindipsocinae, morphology of male terminalia discussed: Yoshizawa *et al.*, 2011.

*Kimunpsocus chubsugulensis* (Günther). Mongolia (VIII): Varkonyi & Lienhard, 2011: 99 (from *Ptycta*).

*Kimunpsocus flavonimbatus* (Rostock). Finland (I): Varkonyi & Lienhard, 2011: 97 (from *Psocus*); description of male; habitat choice and distribution. Finland (I): Kanervo, 2010 (as *Psocidus flavonimbatus*); Kanervo & Söderman, 2010 (species on Red List, as *Psocidus flavonimbatus*). Eastern Russia (VIII): Varkonyi & Lienhard, 2011: 101 (female, tentative identification).

*Lasiopsocus* Enderlein. Assigned to subfamily Kaindipsocinae, morphology of male terminalia discussed: Yoshizawa *et al.*, 2011.

*Loensia fasciata* (Fabricius). Finland (I): Kanervo, 2010. Germany (I): Günther & Lienhard, 2011. Great Britain (I): Alexander, 2008c, 2009b. Greece (I): Hollier *et al.*, 2011.

*Loensia pearmani* Kimmins. Finland (I): Kanervo, 2010. Germany (I): Günther & Lienhard, 2011. Greece (I): Hollier *et al.*, 2011.

*Loensia variegata* (Latreille). Finland (I): Kanervo, 2010. Germany (I): Günther & Lienhard, 2011. Great Britain (I): Alexander, 2008c.

*Longivalvus* spec. Morph.: Yoshizawa, 2011b (hindwing base structure).

*Metylophorus* spec. Dominica (IV): Garcia Aldrete, 2011a.

*Metylophorus nebulosus* (Stephens). Finland (I): Kanervo, 2010. Germany (I): Günther & Lienhard, 2011. Greece (I): Hollier *et al.*, 2011.

*Neopsocopsis hirticornis* (Reuter). Finland (I): Kanervo, 2010. Germany (I): Günther & Lienhard, 2011.

*Neopsocus rhenanus* Kolbe. Germany (I): Günther & Lienhard, 2011. Greece (I): Hollier *et al.*,

- 2011.
- Oreopsocus montanus* (Kolbe). Germany (I): Günther & Lienhard, 2011. Greece (I): Hollier *et al.*, 2011.
- Psococerastis gibbosa* (Sulzer). Finland (I): Kanervo, 2010. Germany (I): Günther & Lienhard, 2011.
- Psocus bipunctatus* (Linnaeus). Finland (I): Kanervo, 2010. Germany (I): Günther & Lienhard, 2011. Greece (I): Hollier *et al.*, 2011.
- Ptycta* spec. Dominica (IV): Garcia Aldrete, 2011a.
- Sigmatoneura* Enderlein. Revised diagnosis, biogeography, key to Chinese species: Liu Luxi *et al.*, 2011b.
- Sigmatoneura aquilis*\* Liu Luxi, Li Fasheng & Liu Zhiqi 2011b: 38. China (VIII).
- Sigmatoneura pinbiensis*\* Liu Luxi, Li Fasheng & Liu Zhiqi 2011b: 34. China (VIII).
- Steleops* Enderlein. Key to South American species: Gonzalez *et al.*, 2011a. Key to Neotropical species: Gonzalez *et al.*, 2011b.
- Steleops albertoneti*\* Gonzalez, Garcia Aldrete & Carrejo, 2011b: 32. Brazil (V).
- Steleops buitrensis*\* Gonzalez, Garcia Aldrete & Carrejo, 2011a: 23. Colombia (V). NOTE: the specific name is not a noun in apposition but an adjective (see "Etymology", p. 26).
- Steleops cashiriariensis*\* Gonzalez, Garcia Aldrete & Carrejo, 2011b: 33. Peru (V).
- Steleops chamelaensis*\* Gonzalez, Garcia Aldrete & Carrejo, 2011b: 35. Mexico (IV).
- Steleops cuzcoensis*\* Gonzalez, Garcia Aldrete & Carrejo, 2011b: 36. Peru (V).
- Steleops machupicchuensis*\* Gonzalez, Garcia Aldrete & Carrejo, 2011b: 38. Peru (V).
- Steleops manizalensis*\* Gonzalez, Garcia Aldrete & Carrejo, 2011b: 41. Colombia (V).
- Steleops mendivili*\* Gonzalez, Garcia Aldrete & Carrejo, 2011b: 44. Colombia (V).
- Steleops plenitudensis*\* Gonzalez, Garcia Aldrete & Carrejo, 2011b: 47. Colombia (V).
- Steleops pulcher* New. Colombia (V): Gonzalez *et al.*, 2011a.
- Steleops rioblancoensis*\* Gonzalez, Garcia Aldrete & Carrejo, 2011b: 50. Colombia (V).
- Steleops thorntoni*\* Gonzalez, Garcia Aldrete & Carrejo, 2011b: 52. Mexico (IV).
- Symbiopsocus* Li Fasheng. Biogeography and key to species: Liu Luxi *et al.*, 2011a.
- Symbiopsocus furcatus*\* Liu Luxi, Li Fasheng & Liu Zhiqi 2011a: 64. China (VIII).
- Tanystigma* Smithers. Assigned to subfamily Kaindipsocinae, morphology of male terminalia discussed: Yoshizawa *et al.*, 2011.
- Trichadenotecnum castum* Betz. Azores (II): Baz, 2010.
- Trichadenotecnum circularoides* Badonnel. Azores (II): Baz, 2010.
- Trichadenotecnum germanicum* Roesler. Finland (I): Kanervo, 2010. Germany (I): Günther & Lienhard, 2011.
- Trichadenotecnum incognitum* Roesler. Finland (I): Kanervo, 2010. Germany (I): Günther & Lienhard, 2011.
- Trichadenotecnum innuptum* Betz. Greece (I): Hollier *et al.*, 2011.
- Trichadenotecnum majus* (Kolbe). Finland (I): Kanervo, 2010. Germany (I): Günther & Lienhard, 2011.
- Trichadenotecnum sexpunctatum* (Linnaeus). Finland (I): Kanervo, 2010. Germany (I): Günther & Lienhard, 2011. Greece (I): Hollier *et al.*, 2011. Azores (II): Baz, 2010.

### **Psocidae (Add. 12)**

- Amphigerontia bifasciata* (Latreille). Switzerland (I): Lienhard, 2012b. North America (III): Mockford, 2012a (biogeography).
- Amphigerontia contaminata* (Stephens). Germany (I): Schneider *et al.*, 2012. Spain (I): Baz, 2003. Switzerland (I): Lienhard, 2012b. North America (III): Mockford, 2012a (biogeography).
- Amphigerontia infernicola* (Chapman). North America (III): Mockford, 2012a (biogeography).
- Amphigerontia intermedia* (Tetens). Switzerland (I): Lienhard, 2012b.
- Amphigerontia longicauda* Mockford & Anonby, 2007. North America (III): Mockford, 2012a (biogeography).
- Amphigerontia montivaga* (Chapman). North America (III): Mockford, 2012a (biogeography).
- Amphigerontia petiolata* (Banks). North America (III): Mockford, 2012a (biogeography).

*Atlantopsocus personatus* (Hagen). Spain (I): Baz, 2003; Mederos-Lopez & Baz Ramos, 2012.  
*Atrropsocus atratus* (Aaron). North America (III): Mockford, 2012a (biogeography).  
*Barrowia insularis* Smithers. Australia (IX): Gunawardene *et al.*, 2012 (fig.).  
*Blaste* spec. Dominican Republic (IV) in Dominican amber (A): Poinar & Poinar, 1999.  
*Blaste cockerelli* (Banks). North America (III): Mockford, 2012a (biogeography).  
*Blaste conspurcata* (Rambur). Finland (I): Kanervo, 2011. Germany (I): Schneider *et al.*, 2012.  
 Switzerland (I): Lienhard, 2012b.  
*Blaste didyma* Lienhard. Spain (I): Baz, 2003.  
*Blaste garciorum* Mockford. North America (III): Mockford, 2012a (biogeography).  
*Blaste longipennis* (Banks). North America (III): Mockford, 2012a (biogeography).  
*Blaste opposita* (Banks). North America (III): Mockford, 2012a (biogeography). USA (III): Coots  
*et al.*, 2012a (ecol.), 2012b (ecol.).  
*Blaste oregona* (Banks). North America (III): Mockford, 2012a (biogeography).  
*Blaste osceola* Mockford. North America (III): Mockford, 2012a (biogeography).  
*Blaste persimilis* (Banks). North America (III): Mockford, 2012a (biogeography).  
*Blaste posticata* (Banks). North America (III): Mockford, 2012a (biogeography).  
*Blaste quadrimaculata* (Latreille). Removed from Psocoptera species list of Finland (I): Kanervo,  
 2011. Spain (I): Baz, 2003; Mederos-Lopez & Baz Ramos, 2012.  
*Blaste quieta* (Hagen). North America (III): Mockford, 2012a (biogeography). USA (III): Coots  
*et al.*, 2012a (ecol.), 2012b (ecol.).  
*Blaste subapterous* (Chapman). North America (III): Mockford, 2012a (biogeography).  
*Blaste subquieta* (Chapman). North America (III): Mockford, 2012a (biogeography).  
*Blastopsocus* spec. Dominican Republic (IV) in Dominican amber (A): Poinar & Poinar, 1999.  
*Blastopsocus* spec. North America (III): Mockford, 2012a (biogeography).  
*Blastopsocus goodrichi* Mockford, 2002. North America (III): Mockford, 2012a (biogeography).  
*Blastopsocus johnstoni* Mockford, 2002. North America (III): Mockford, 2012a (biogeography).  
*Blastopsocus lithinus* (Chapman). North America (III): Mockford, 2012a (biogeography). USA  
 (III): Coots *et al.*, 2012a (ecol.), 2012b (ecol.).  
*Blastopsocus semistriatus* (Walsh). North America (III): Mockford, 2012a (biogeography).  
*Blastopsocus uncinatus* (Thornton & Woo). Galapagos (X): Peck, 2012.  
*Blastopsocus variabilis* (Aaron). North America (III): Mockford, 2012a (biogeography).  
*Blastopsocus walshi* Mockford, 2002. North America (III): Mockford, 2012a (biogeography).  
*Camelopsocus* spec. North America (III): Mockford, 2012a (biogeography).  
*Camelopsocus bactrianus* Mockford. North America (III): Mockford, 2012a (biogeography).  
*Camelopsocus hiemalis* Mockford. North America (III): Mockford, 2012a (biogeography).  
*Camelopsocus monticolus* Mockford. North America (III): Mockford, 2012a (biogeography).  
*Camelopsocus similis* Mockford. North America (III): Mockford, 2012a (biogeography).  
*Camelopsocus tucsonensis* Mockford. North America (III): Mockford, 2012a (biogeography).  
*Cerastipsocus trifasciatus* (Provancher). North America (III): Mockford, 2012a (biogeography).  
*Cerastipsocus venosus* (Burmeister). North America (III): Mockford, 2012a (biogeography).  
 USA (III): Coots *et al.*, 2012a (ecol.), 2012b (ecol.).  
*Hyalopsocus* spec. North America (III): Mockford, 2012a (biogeography).  
*Hyalopsocus floridanus* (Banks). North America (III): Mockford, 2012a (biogeography). USA  
 (III): Coots *et al.*, 2012a (ecol.).  
*Hyalopsocus morio* (Latreille). Germany (I): Schneider *et al.*, 2012. Switzerland (I): Lienhard,  
 2012b (see page 55: remark no. 1).  
*Hyalopsocus striatus* (Walker). North America (III): Mockford, 2012a (biogeography).  
*Indiopsocus* spec. Dominican Republic (IV) in Dominican amber (A): Poinar & Poinar, 1999.  
*Indiopsocus* spec. North America (III): Mockford, 2012a (biogeography).  
*Indiopsocus acraeus* (Thornton & Woo). Galapagos (X): Peck, 2012.  
*Indiopsocus bisignatus* (Banks). North America (III): Mockford, 2012a (biogeography).  
*Indiopsocus campestris* (Aaron). North America (III): Mockford, 2012a (biogeography).  
*Indiopsocus ceterus* Mockford. North America (III): Mockford, 2012a (biogeography).  
*Indiopsocus coquilletti* (Banks). North America (III): Mockford, 2012a (biogeography).  
*Indiopsocus dentatus* (Thornton & Woo). Galapagos (X): Peck, 2012.

*Indiopsocus infumatus* (Banks). North America (III): Mockford, 2012a (biogeography). USA (III): Coots *et al.*, 2012a (ecol.).

*Indiopsocus texanus* (Aaron). North America (III): Mockford, 2012a (biogeography).

*Javablaste* Endang, Thornton & New, 2002. Probably a junior synonym of *Neopsocopsis* Badonnel: Liu Lu-Xi *et al.*, 2012: 30.

*Loensia* spec. North America (III): Mockford, 2012a (biogeography).

*Loensia conspersa* (Banks). North America (III): Mockford, 2012aa (biogeography).

*Loensia fasciata* (Fabricius). Germany (I): Willig, 2002; Schneider *et al.*, 2012. Switzerland (I): Lienhard, 2012b. North America (III): Mockford, 2012a (biogeography).

*Loensia maculosa* (Banks). North America (III): Mockford, 2012a (biogeography).

*Loensia moesta* (Hagen). North America (III): Mockford, 2012a (biogeography). USA (III): Coots *et al.*, 2012a (ecol.).

*Loensia pearmani* Kimmins. Germany (I): Schneider *et al.*, 2012.

*Loensia variegata* (Latreille). Germany (I): Willig, 2002; Schneider *et al.*, 2012. Spain (I): Baz, 2003; Mederos-Lopez & Baz Ramos, 2012. Switzerland (I): Lienhard, 2012b.

*Mecampsis* Enderlein. Genus definition discussed: Yoshizawa & Mockford, 2012: 138.

*Metylophorus barretti* (Banks). North America (III): Mockford, 2012a (biogeography).

*Metylophorus nebulosus* (Stephens). Germany (I): Schneider *et al.*, 2012. Russia (I): Golub, 2007 (ecol.). Spain (I): Mederos-Lopez & Baz Ramos, 2012. Switzerland (I): Lienhard, 2012b.

*Metylophorus novaescotiae* (Walker). North America (III): Mockford, 2012a (biogeography). USA (III): Coots *et al.*, 2012a (ecol.), 2012b (ecol.).

*Metylophorus purus* (Walsh). North America (III): Mockford, 2012a (biogeography). USA (III): Coots *et al.*, 2012a (ecol.), 2012b (ecol.).

*Neopsocopsis* Badonnel. Genus diagnosis and key to species: Liu Lu-Xi *et al.*, 2012.

*Neopsocopsis convexa*\* Liu Lu-Xi, Li Fa-Sheng & Liu Zhi-Qi, 2012: 32. China (VIII).

*Neopsocopsis flavida* (Li Fasheng, 1989). Redescription: Liu Lu-Xi *et al.*, 2012: 42. China (VIII).  
*Blastopsocidus pini* Li Fasheng, 1990. **Synonymy:** Liu Lu-Xi *et al.*, 2012: 42.  
*Pentablaste lanceolata* Li Fasheng, 2002a: 1377. **Synonymy:** Liu Lu-Xi *et al.*, 2012: 42.

*Neopsocopsis hirticornis* (Reuter). Redescription, distribution: Liu Lu-Xi *et al.*, 2012. Spain (I): Montserrat Larrosa & Barrientos Alfageme, 1999; Baz, 2003; Mederos-Lopez & Baz Ramos, 2012. China, Japan (VIII): Liu Lu-Xi *et al.*, 2012.  
*Pentablaste clavata* Li Fasheng, 2002a: 1368. **Synonymy:** Liu Lu-Xi *et al.*, 2012: 35.  
*Pentablaste obconica* Li Fasheng, 2002a: 1373. **Synonymy:** Liu Lu-Xi *et al.*, 2012: 35.

*Neopsocopsis longiptera* Vishnyakova, 1986. China (VIII): Liu Lu-Xi *et al.*, 2012.  
*Pentablaste tetraedrica* Li Fasheng, 2002a: 1371. **Synonymy:** Liu Lu-Xi *et al.*, 2012: 38.

*Neopsocopsis profunda* (Li Fasheng, 1995). Redescription: Liu Lu-Xi *et al.*, 2012: 40. China (VIII).  
*Neoblaste flavae* Li Fasheng, 1995. **Synonymy:** Liu Lu-Xi *et al.*, 2012: 40.  
*Neoblaste schizopetala* Li Fasheng, 1997. **Synonymy:** Liu Lu-Xi *et al.*, 2012: 40.

*Neopsocopsis quinquedentata* (Li Fasheng & Yang Chikun). Redescription of male: Liu Lu-Xi *et al.*, 2012: 38. China (VIII).

*Neopsocus rhenanus* Kolbe. Spain (I): Montserrat Larrosa & Barrientos Alfageme, 1999; Baz, 2003.

*Neopsocus tunesicus* (Enderlein). Spain (I): Baz, 2003; Mederos-Lopez & Baz Ramos, 2012.

*Oreopsocus montanus* (Kolbe). Switzerland (I): Lienhard, 2012b.

*Psocidus picteti* (Enderlein). Baltic amber (I) (A): Scheven, 2004 (as *Psocus picteti*, photograph).

*Psococerastis gibbosa* (Sulzer). Germany (I): Schneider *et al.*, 2012. Switzerland (I): Lienhard, 2012b.

*Psocomesites sturmi* Badonnel. Yoshizawa & Mockford, 2012: 140 (**from** *Symbiopsocus*).

*Psocus* spec. North America (III): Mockford, 2012a (biogeography).

*Psocus bipunctatus* (Linnaeus). Germany (I): Schneider *et al.*, 2012. Spain (I): Baz, 2003. Switzerland (I): Lienhard, 2012b.

*Psocus crosbyi* Chapman. North America (III): Mockford, 2012a (biogeography).

*Psocus leidy* Aaron. North America (III): Mockford, 2012a (biogeography). USA (III): Coots *et al.*, 2012a (ecol.), 2012b (ecol.).

*Ptycta* spec. Dominican Republic (IV) in Dominican amber (A): Poinar & Poinar, 1999; Scheven, 2004 (photograph).

*Ptycta lineata* Mockford. North America (III): Mockford, 2012a (biogeography).

*Ptycta marta* Thornton & Woo. Galapagos (X): Peck, 2012.

*Ptycta polluta* (Walsh). North America (III): Mockford, 2012a (biogeography). USA (III): Coots *et al.*, 2012a (ecol.), 2012b (ecol.).

*Steleops elegans* (Banks). North America (III): Mockford, 2012a (biogeography).

*Steleops lichenatus* (Walsh). North America (III): Mockford, 2012a (biogeography).

*Symbiopsocus* Li Fasheng. Genus definition discussed: Yoshizawa & Mockford, 2012: 138.

*Symbiopsocus bicruris* (Li Fasheng). Yoshizawa & Mockford, 2012: 139 (erroneous figure plate published in Li Fasheng, 2002a; for correct figures see Li Fasheng, 1990a: fig. 6, as *Psocidus bicruris*).

*Symbiopsocus changbaiensis* (Li Fasheng, 2002). Yoshizawa & Mockford, 2012: 140 (from *Mecampsis*).

*Symbiopsocus dolichosus* (Li Fasheng, 2002). Yoshizawa & Mockford, 2012: 140 (from *Mecampsis*).

*Symbiopsocus hastatus* Mockford, 2003. Redescription, first description of female: Yoshizawa & Mockford, 2012: 134. Japan (VIII).

*Symbiopsocus latus* (Li Fasheng, 2002). Yoshizawa & Mockford, 2012: 140 (from *Mecampsis*).

*Symbiopsocus magnificus* (Li Fasheng, 2002). Yoshizawa & Mockford, 2012: 141 (from *Mecampsis*).

*Symbiopsocus multimacularis* (Li Fasheng, 2002). Yoshizawa & Mockford, 2012: 141 (from *Mecampsis*).

*Symbiopsocus nanyuensis* (Li Fasheng). Yoshizawa & Mockford, 2012: 141 (from *Mecampsis*).

*Symbiopsocus ophiocephais* (Li Fasheng). Yoshizawa & Mockford, 2012: 141 (misspelled *ophiocephalis*, from *Mecampsis*).

*Symbiopsocus septangulatus* (Li Fasheng, 2002). Yoshizawa & Mockford, 2012: 141 (from *Mecampsis*).

*Symbiopsocus undulatus* (Li Fasheng, 2002). Yoshizawa & Mockford, 2012: 141 (from *Mecampsis*).

*Symbiopsocus unitus* (Li Fasheng, 2002). Yoshizawa & Mockford, 2012: 141 (from *Mecampsis*).

*Trichadenotecnum* spec. Dominican Republic (IV) in Dominican amber (A): Poinar & Poinar, 1999.

*Trichadenotecnum acutolingum* Yoshizawa, Garcia Aldrete & Mockford, 2008. North America (III): Mockford, 2012a (misspelled *acutilingum*) (biogeography).

*Trichadenotecnum alexanderæ* Sommerman. North America (III): Mockford, 2012a (biogeography). USA (III): Coots *et al.*, 2012a (ecol.), 2012b (ecol.).

*Trichadenotecnum castum* Betz. North America (III): Mockford, 2012a (biogeography). USA (III): Coots *et al.*, 2012a (ecol.), 2012b (ecol.).

*Trichadenotecnum cerrosillae* Yoshizawa, Garcia Aldrete & Mockford, 2008. North America (III): Mockford, 2012a (biogeography).

*Trichadenotecnum circularoides* Badonnel. North America (III): Mockford, 2012a (biogeography).

*Trichadenotecnum desolatum* (Chapman). North America (III): Mockford, 2012a (biogeography).

*Trichadenotecnum gallicum* Lienhard. Spain (I): Baz, 2003.

*Trichadenotecnum incognitum* Roesler. Germany (I): Schneider *et al.*, 2012.

*Trichadenotecnum innuptum* Betz. Switzerland (I): Lienhard, 2012b. North America (III): Mockford, 2012a (biogeography).

*Trichadenotecnum maculatum* Yoshizawa, Garcia Aldrete & Mockford, 2008. North America (III): Mockford, 2012a (biogeography).

*Trichadenotecnum majus* (Kolbe). Germany (I): Willig, 2002; Schneider *et al.*, 2012. Great Britain (I): Alexander, 2010, 2011a. Russia (I): Golub, 2007 (ecol.). Switzerland (I): Lienhard, 2012b.

*Trichadenotecnum merum* Betz. North America (III): Mockford, 2012a (biogeography). USA

(III): Coots *et al.*, 2012a (ecol.).

*Trichadenotecnum neoleonense* Yoshizawa, Garcia Aldrete & Mockford, 2008. North America (III): Mockford, 2012a (biogeography).

*Trichadenotecnum pardus* Badonnel. North America (III): Mockford, 2012 (biogeography).

*Trichadenotecnum quaesitum* (Chapman). North America (III): Mockford, 2012a (biogeography). USA (III): Coots *et al.*, 2012a (ecol.), 2012b (ecol.).

*Trichadenotecnum sexpunctatum* (Linnaeus). Germany (I): Willig, 2002; Schneider *et al.*, 2012. Great Britain (I): Alexander, 2011a. Switzerland (I): Lienhard, 2012b.

*Trichadenotecnum slossonae* (Banks). North America (III): Mockford, 2012a (biogeography). USA (III): Coots *et al.*, 2012a (ecol.).

### **Psocidae (Add. 13)**

*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, 2013a.

*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.

#### **Psocidae (Add. 14)**

Yoshizawa & Johnson, 2014: Phylogeny, family status confirmed.  
*Amphigerontia* spec. Brazil (V): Silva Neto *et al.*, 2014a.  
*Amphigerontia contaminata* (Stephens). Albania, Greece, Macedonia (I): Sziraki, 2013.  
*Barrowia insularis* Smithers. Australia (Barrow Island) (IX): Gunawardene *et al.*, 2012.  
*Blaste* spec. Brazil (V): Silva Neto *et al.*, 2014a. Colombia (V): Sarria *et al.*, 2014a, 2014b.  
*Blaste conspurcata* (Rambur). Albania (I): Sziraki, 2013.  
*Blaste quadrimaculata* (Latreille). Albania, Greece (I): Sziraki, 2013.  
*Blastopsocus* spec. Brazil (V): Silva Neto *et al.*, 2014a. Colombia (V): Sarria *et al.*, 2014a, 2014b.  
*Cerastipsocus* spec. Brazil (V): Silva Neto *et al.*, 2014a.  
*Cervopsocus* spec. Brazil (V): Silva Neto *et al.*, 2014a.  
*Dictyopsocus* spec. Brazil (V): Silva Neto *et al.*, 2014a (misspelled *Dyctiopsocus*).  
*Elaphopsocoides*\*\* Roman Palacios, Garcia Aldrete & Gonzalez Obando, 2014: 94. Gender: M.  
Type species: *Elaphopsocoides colombiensis* Roman Palacios, Garcia Aldrete & Gonzalez Obando. Assigned to subfamily Amphigerontiinae.  
*Elaphopsocoides colombiensis*\* Roman Palacios, Garcia Aldrete & Gonzalez Obando, 2014: 94.  
Colombia (V). Fig.: Lopez, 2015 (habitus photograph).  
*Elaphopsocoides lahonduraensis*\* Roman Palacios, Garcia Aldrete & Gonzalez Obando, 2014: 97. Colombia (V).  
*Elaphopsocus* spec. Brazil (V): Silva Neto *et al.*, 2014a.  
*Eremopsocus* spec. Brazil (V): Silva Neto *et al.*, 2014a.  
*Eremopsocus nigripes* Mockford. Brazil (V): Silva Neto *et al.*, 2014a.  
*Hyalopsocus contrarius* (Reuter). Greece (I): Sziraki, 2013.  
*Indiopsocus* spec. Brazil (V): Silva Neto *et al.*, 2014a. Colombia (V): Sarria *et al.*, 2014a, 2014b.  
*Loensia fasciata* (Fabricius). Germany (I): Büchs, 1988 (ecol.); Blick & Dorow, 2014a, 2014b.  
*Loensia variegata* (Latreille). Germany (I): Büchs, 1988 (ecol.); Blick & Dorow, 2014a, 2014b.  
Greece (I): Sziraki, 2013.  
*Metylophorus* spec. Brazil (V): Silva Neto *et al.*, 2014a.  
*Metylophorus nebulosus* (Stephens). Germany (I): Blick & Dorow, 2014a, 2014b. Macedonia (I): Sziraki, 2013.  
*Neopsocus rhenanus* Kolbe. Albania, Bulgaria, Montenegro (I): Sziraki, 2013.  
*Oreopsocus montanus* (Kolbe). Greece (I): Sziraki, 2013.  
*Psocidus* spec. Brazil (V): Silva Neto *et al.*, 2014a.  
*Psococerastis* spec. Brazil (V): Silva Neto *et al.*, 2014a. Colombia (V): Sarria *et al.*, 2014a, 2014b.  
*Psococerastis gibbosa* (Sulzer). Albania (I): Sziraki, 2013. Germany (I): Blick & Dorow, 2014a, 2014b.  
*Ptycta* Enderlein. Phylogeny and biogeography of Hawaiian species (X): Bess *et al.*, 2014.  
*Ptycta* spec. Brazil (V): Silva Neto *et al.*, 2014a. Colombia (V): Sarria *et al.*, 2014a, 2014b.  
*Steleops* spec. Brazil (V): Silva Neto *et al.*, 2014a. Fig.: Lopez, 2015 (habitus photograph).

- Steleops albertoneto* Gonzalez, Garcia Aldrete & Carrejo, 2011b. Brazil (V): Silva Neto *et al.*, 2014a.
- Symbiopsocus* Li Fasheng. Checklist of species, key to Chinese species: Liu Luxi *et al.*, 2014.
- Symbiopsocus yangminus*\* Liu Luxi, Li Fasheng & Liu Zhiqi 2014: 290. China (VIII).
- Thyrsopsocus* spec. Colombia (V): Sarria *et al.*, 2014a, 2014b.
- Trichadenotecnum* Enderlein. Keys to species groups and to species from Peninsular Malaysia and Singapore, definition of a new species group (*krucilense* group): Yoshizawa *et al.*, 2014c.
- Trichadenotecnum* spec. Brazil (V): Silva Neto *et al.*, 2014a. Colombia (V): Sarria *et al.*, 2014a, 2014b. Malaysia (VIII): Yoshizawa *et al.*, 2014c: 484 (fig.) (assigned to *spiniserrulum* group).
- Trichadenotecnum adika* Endang, Thornton & New, 2002. Singapore (VIII): Yoshizawa *et al.*, 2014c (assigned to *spiniserrulum* group).
- Trichadenotecnum anomalum*\* Yoshizawa & Lienhard, 2014; *in*: Yoshizawa *et al.*, 2014c: 492 (assigned to *majus* group). Singapore (VIII).
- Trichadenotecnum cinnamomum* Endang & New, 2005. Description of female: Yoshizawa *et al.*, 2014c: 472 (assigned to *corniculum* group). Malaysia (VIII). NOTE: The female assigned to this species by Endang & New (2005: 36) is considered as misidentified.
- Trichadenotecnum circularoides* Badonnel. Singapore (VIII): Yoshizawa *et al.*, 2014c (assigned to *circularoides* group).
- Trichadenotecnum cornutum* Endang & New, 2005. Malaysia (VIII): Yoshizawa *et al.*, 2014c: (assigned to *majus* group).
- Trichadenotecnum endangae*\* Yoshizawa & Lienhard, 2014; *in*: Yoshizawa *et al.*, 2014c: 481 (assigned to *spiniserrulum* group). Malaysia (VIII).
- Trichadenotecnum germanicum* Roesler. Germany (I): Büchs, 1988 (erroneously called *T. sexpunctatum* on p. 272; ecol.).
- Trichadenotecnum gombakense* New & Lee. Malaysia (VIII): Yoshizawa *et al.*, 2014 (assigned to *spiniserrulum* group).
- Trichadenotecnum hammani* Endang, Thornton & New, 2002. Malaysia (VIII): Yoshizawa *et al.*, 2014c (assigned to *spiniserrulum* group).
- Trichadenotecnum imrum* New & Thornton. Description of female: Yoshizawa *et al.*, 2014c: 474 (assigned to *corniculum* group). Singapore (VIII).
- Trichadenotecnum kerinciense* Endang & New, 2005. Description of male: Yoshizawa *et al.*, 2014c: 496 (assigned to *majus* group). Malaysia (VIII).
- Trichadenotecnum kojimai*\* Yoshizawa & Lienhard, 2014; *in*: Yoshizawa *et al.*, 2014c: 478 (assigned to *spiniserrulum* group). Malaysia (VIII).
- Trichadenotecnum krucilense* Endang, Thornton & New, 2002. Malaysia (VIII): Yoshizawa *et al.*, 2014c (assigned to *krucilense* group).
- Trichadenotecnum majus* (Kolbe). Germany (I): Blick & Dorow, 2014a, 2014b.
- Trichadenotecnum malayense* New. Malaysia (VIII): Yoshizawa *et al.*, 2014 (assigned to *spiniserrulum* group).
- Trichadenotecnum marginatum* New & Thornton. Generic assignment questionable (appears to be close to *Cryptopsocus cynostigmus* Li Fasheng, 2002): Yoshizawa *et al.*, 2014c.
- Trichadenotecnum pardus* Badonnel. Singapore (VIII): Yoshizawa *et al.*, 2014c (assigned to *spiniserrulum* group).
- Trichadenotecnum pardidum* Thornton: New, 1975e: 258.  
[Not *Trichadenotecnum pardidum* Thornton, 1961: 16].
- Trichadenotecnum rachimi* Endang & Thornton. Singapore (VIII): Yoshizawa *et al.*, 2014c (assigned to *majus* group).
- Trichadenotecnum arciforme* Thornton: New & Lee, 1992a: 155.  
[Not *Trichadenotecnum arciforme* Thornton, 1961: 11].  
[Not *Trichadenotecnum arciforme* Thornton: Thornton, 1984b: 157].
- Trichadenotecnum santosai* Endang & Thornton. Malaysia (VIII): Yoshizawa *et al.*, 2014c (assigned to *majus* group).
- Trichadenotecnum sexpunctatum* (Linnaeus). Albania (I): Sziraki, 2013. Germany (I): Büchs,

1988 (ecol.); Blick & Dorow, 2014a, 2014b. Great Britain (I): Alexander, 2013b.  
*Trichadenotecnum sibolangitense* Endang & New, 2005. Description of female: Yoshizawa *et al.*, 2014c: 487 (assigned to *majus* group). Malaysia, Singapore (VIII).  
*Trichadenotecnum soenarti* Endang, Thornton & New, 2002. Malaysia (VIII): Yoshizawa *et al.*, 2014c (assigned to *majus* group).  
*Trichadenotecnum yatai*\* Yoshizawa & Lienhard, 2014; *in*: Yoshizawa *et al.*, 2014c: 476 (assigned to *spiniserrulum* group). Malaysia (VIII).

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*Amphigerontia* spec. Finland (I): Salmela *et al.*, 2015.  
*Amphigerontia bifasciata* (Latreille). Finland (I): Salmela *et al.*, 2015. USA (III): Naughton *et al.*, 2015.  
*Amphigerontia contaminata* (Stephens). Finland (I): Salmela *et al.*, 2015.  
*Atlantopsocus adustus* (Hagen). Great Britain (I): Alexander, 2014.  
*Blaste arabica* New. Saudi Arabia (I): El-Hawagry *et al.*, 2013.  
*Blaste quadrimaculata* (Latreille). Great Britain (I): Woodward, 2015.  
*Chaetoblaste*\*\* Garcia Aldrete & Roman-P., 2015: 393. Gender: F. Type species: *Chaetoblaste gonzalezi* Garcia Aldrete & Roman-P. Genus assigned to Amphigerontiinae: Blastini.  
*Chaetoblaste gonzalezi*\* Garcia Aldrete & Roman-P., 2015: 393. Colombia (V).  
*Elaphopsocoides* Roman-P., Garcia Aldrete & Gonzalez Obando, 2014. Revised diagnosis: Roman-P. *et al.*, 2015.  
*Elaphopsocus* Roesler. Revised diagnosis, definition of species groups, key to species: Roman-P. *et al.*, 2015.  
*Elaphopsocus amazonicus*\* Roman-P., Gonzalez Obando & Garcia Aldrete, 2015: 164. Brazil (V).  
*Elaphopsocus bahianus*\* Roman-P., Gonzalez Obando & Garcia Aldrete, 2015: 159. Brazil (V).  
*Elaphopsocus gorronez*\* Roman-P., Gonzalez Obando & Garcia Aldrete, 2015: 156. Colombia (V).  
*Elaphopsocus nasa*\* Roman-P., Gonzalez Obando & Garcia Aldrete, 2015: 153. Colombia (V).  
*Elaphopsocus rayoi*\* Roman-P., Gonzalez Obando & Garcia Aldrete, 2015: 159. Colombia (V).  
*Elaphopsocus roesleri*\* Roman-P., Gonzalez Obando & Garcia Aldrete, 2015: 164. Colombia (V).  
*Indiopsocus* Mockford. Generic diagnosis, definition of species groups, key to the species of Southeastern USA: Mockford & Young, 2015.  
*Indiopsocus bisignatus* (Banks). USA (III): Mockford & Young, 2015.  
*Indiopsocus campestris* (Aaron). USA (III): Mockford & Young, 2015.  
*Indiopsocus infumatus* (Banks). USA (III): Mockford & Young, 2015.  
*Indiopsocus lacteus*\* Mockford & Young, 2015: 238. USA (III).  
*Indiopsocus lanceolatus*\* Mockford & Young, 2015: 236. USA (III).  
*Indiopsocus palmatus*\* Mockford & Young, 2015: 240. USA (III).  
*Indiopsocus texanus* (Aaron). USA (III): Mockford & Young, 2015.  
*Kimunpsocus flavonimbatus* (Rostock). Finland (I): Salmela *et al.*, 2015.  
*Loensia maculosa* (Banks). USA (III): Naughton *et al.*, 2015.  
*Loensia variegata* (Latreille). Malta (I): Lienhard & Mifsud, 2015.  
*Metylophorus nebulosus* (Stephens). Finland (I): Salmela *et al.*, 2015. Great Britain (I): Alexander, 2014.  
*Trichadenotecnum* Enderlein. Definiton of *marginatum* species group: Yoshizawa & Lienhard, 2015a: 481. Definiton of *alinguum* species group: Yoshizawa & Lienhard, 2015b: 180. Molecular phylogeny of the Old World species, discussion of species groups: Yoshizawa *et al.*, 2015.  
*Cryptopsocus* Li Fasheng, 2002a. **Synonymy**: Yoshizawa & Lienhard, 2015a: 481.  
*Trichadenotecnum alinguum* Endang Sri Kentjonowati, Thornton & New, 2002. Assigned to *alinguum* species group: Yoshizawa & Lienhard, 2015b: 181 (male terminalia figured). Thailand (VIII).  
*Trichadenotecnum cynostigmus* (Li Fasheng, 2002a). Yoshizawa & Lienhard, 2015a: 481 (**from**

*Cryptopsocus*, assigned to *marginatum* species group).

- Trichadenotecnum germanicum* Roesler. Finland (I): Salmela *et al.*, 2015.  
*Trichadenotecnum incognitum* Roesler. Finland (I): Salmela *et al.*, 2015.  
*Trichadenotecnum laticornutum* Endang Sri Kentjonowati, Thornton & New, 2002. Assigned to *alinguum* species group: Yoshizawa & Lienhard, 2015b: 181.  
*Trichadenotecnum majus* (Kolbe). Finland (I): Salmela *et al.*, 2015.  
*Trichadenotecnum marginatum* New & Thornton. Assigned to *marginatum* species group: Yoshizawa & Lienhard, 2015a: 481.  
*Trichadenotecnum sabahense*\* Yoshizawa & Lienhard, 2015a: 485 (assigned to *marginatum* species group). Malaysia: Sabah (VIII).  
*Trichadenotecnum sexpunctatum* (Linnaeus). Great Britain (I): Alexander, 2014.  
*Trichadenotecnum sharkeyi*\* Yoshizawa & Lienhard, 2015a: 484 (assigned to *marginatum* species group). Thailand (VIII).  
*Trichadenotecnum siamense*\* Yoshizawa & Lienhard, 2015b: 183 (assigned to *alinguum* species group). Thailand (VIII).  
*Trichadenotecnum sibolangitense* Endang Sri Kentjonowati & New, 2005. Assigned to *alinguum* species group: Yoshizawa & Lienhard, 2015b: 182.  
*Trichadenotecnum tigrinum*\* Yoshizawa & Lienhard, 2015a: 482 (assigned to *marginatum* species group). Thailand (VIII).  
*Trichadenotecnum triceratum*\* Yoshizawa & Lienhard, 2015b: 185 (assigned to *alinguum* species group). Thailand (VIII).  
*Trichadenotecnum waykananense* Endang Sri Kentjonowati & New, 2005. Assigned to *alinguum* species group: Yoshizawa & Lienhard, 2015b: 183.

#### **Psocidae (Add. 16)**

- Thyrsophorini Kolbe *sensu* Yoshizawa & Johnson, 2008. Phylogeny and historical biogeography: Roman-Palacios *et al.*, 2016a.
- Amphigerontia bifasciata* (Latreille). Czech Republic (I): Mazac, 2016 (ecol.). Germany (I): Schmidt, 2015. Romania (I): Moldovan *et al.*, 2007. Russia (I): Golub, 2015, 2016.
- Amphigerontia contaminata* (Stephens). Albania (I): Lock, 2015. Czech Republic (I): Mazac, 2016 (ecol.). Germany (I): Schmidt, 2015. Great Britain (I): Alexander, 2016. Romania (I): Moldovan *et al.*, 2007. Russia (I): Golub, 2015. Japan (VIII): Yoshizawa, 2016c.
- Amphigerontia intermedia* (Tetens). Romania (I): Moldovan *et al.*, 2007.
- Amphigerontia jezoensis* Okamoto. Japan (VIII): Yoshizawa, 2016c.
- Anomaloblaste tribulosa* (Li Fasheng, 2002). Japan (VIII): Yoshizawa, 2016c.
- Atrichadenotecnum quadripunctatum* Yoshizawa. Japan (VIII): Yoshizawa, 2016c.
- Atrichadenotecnum ryukyuense* Yoshizawa. Japan (VIII): Yoshizawa, 2016c.
- Blaste conspurcata* (Rambur). Albania (I): Lock, 2015. Germany (I): Schmidt, 2015. Romania (I): Moldovan *et al.*, 2007. Russia (I): Golub, 2015, 2016.
- Blaste quadrimaculata* (Latreille). Albania (I): Lock, 2015. Czech Republic (I): Mazac, 2016 (ecol.). Romania (I): Moldovan *et al.*, 2007. Russia (I): Golub, 2015.
- Clematostigma hyalinum* (Okamoto). Not known from present day Japan (VIII): Yoshizawa, 2016c: 18.
- Clematostigma subcostale* (Okamoto). Not known from present day Japan (VIII): Yoshizawa, 2016c: 18.
- Elaphopsocus boyacaensis*\* Roman-Palacios, Gonzalez Obando & Garcia Aldrete, 2016: 374. Colombia (V).
- Elaphopsocus cundinamarcaensis*\* Roman-Palacios, Gonzalez Obando & Garcia Aldrete, 2016: 374. Colombia (V).
- Elaphopsocus roeslerioides*\* Roman-Palacios, Gonzalez Obando & Garcia Aldrete, 2016: 377. Colombia (V).
- Glossoblaste amamiensis* Yoshizawa, 2010c. Japan (VIII): Yoshizawa, 2016c.
- Hyalopsocus contrarius* (Reuter). Germany (I): Schmidt, 2015. Romania (I): Moldovan *et al.*, 2007. Russia (I): Golub, 2015, 2016.
- Hyalopsocus morio* (Latreille). Romania (I): Moldovan *et al.*, 2007.

*Kimunpsocus takumai* Yoshizawa, 2009b. Japan (VIII): Yoshizawa, 2016c.

*Loensia fasciata* (Fabricius). Germany (I): Schmidt, 2015. Netherlands (I): Franken & Berg, 2016. Romania (I): Moldovan *et al.*, 2007.

*Loensia pearmani* Kimmins. Germany (I): Schmidt, 2015. Romania (I): Moldovan *et al.*, 2007.

*Loensia variegata* (Latreille). Czech Republic (I): Mazac, 2016 (ecol.). Germany (I): Schmidt, 2015. Romania (I): Moldovan *et al.*, 2007. Russia (I): Golub, 2016.

*Longivalvus hyalospilus* Li Fasheng, 2002a. Evol.: Shi Yan *et al.*, 2016 (mitochondrial genome).

*Longivalvus nubilus* (Enderlein). Japan (VIII): Yoshizawa, 2016c.

*Metylophorus nebulosus* (Stephens). Albania (I): Lock, 2015. Czech Republic (I): Mazac, 2016 (ecol.). Germany (I): Schmidt, 2015 (fig.). Romania (I): Moldovan *et al.*, 2007. Russia (I): Golub, 2015, 2016. Japan (VIII): Yoshizawa, 2016c.

*Neoblaste papillosa* Thornton. Japan (VIII): Yoshizawa, 2016c.

*Neoblaste tateokana* (Okamoto). Japan (VIII): Yoshizawa, 2016c.

*Neopsocopsis hirticornis* (Reuter). Romania (I): Moldovan *et al.*, 2007. Japan (VIII): Yoshizawa, 2016c.

*Neopsocopsis longiptera* Vishnyakova. Japan (VIII): Yoshizawa, 2016c.

*Neopsocopsis sakishimensis* Yoshizawa, 2010c. Japan (VIII): Yoshizawa, 2016c.

*Neopsocus rhenanus* Kolbe. Albania (I): Lock, 2015. Romania (I): Moldovan *et al.*, 2007.

*Oreopsocus montanus* (Kolbe). Germany (I): Schmidt, 2015. Romania (I): Moldovan *et al.*, 2007.

*Psocidus japonicus* (Kolbe). Japan (VIII): Yoshizawa, 2016c.

*Psocidus pellucidus* (Okamoto). Japan (VIII): Yoshizawa, 2016c.

*Psococerastis albimaculata* Li Fasheng & Yang Chikun. Evol.: Shi Yan *et al.*, 2016 (mitochondrial genome).

*Psococerastis gibbosa* (Sulzer). Albania (I): Lock, 2015. Czech Republic (I): Mazac, 2016 (ecol.). Germany (I): Schmidt, 2015. Romania (I): Moldovan *et al.*, 2007; Sziraki, 2016. Russia (I): Golub, 2015, 2016. Japan (VIII): Yoshizawa, 2016c.

*Psococerastis kurokiana* (Enderlein). Japan (VIII): Yoshizawa, 2016c.

*Psococerastis mali* (Okamoto). Japan (VIII): Yoshizawa, 2016c.

*Psococerastis ryukyuensis* Tsutsumi. Japan (VIII): Yoshizawa, 2016c.

*Psococerastis tokyoensis* (Enderlein). Japan (VIII): Yoshizawa, 2016c.

*Psococerastis yuwan* Tsutsumi. Japan (VIII): Yoshizawa, 2016c.

*Psocus bipunctatus* (Linnaeus). Albania (I): Lock, 2015. Germany (I): Schmidt, 2015. Romania (I): Moldovan *et al.*, 2007. Japan (VIII): Yoshizawa, 2016c.

*Ptycta johnsoni* Bess & Yoshizawa, 2007. Japan (VIII): Yoshizawa, 2016c.

*Ptycta micromaculata* Thornton, Lee & Chui. Japan (VIII): Yoshizawa, 2016c.

*Ptycta nadleri* Galil. Romania (I): Moldovan *et al.*, 2007.

*Ptycta parvidentata* Tsutsumi. Japan (VIII): Yoshizawa, 2016c.

*Ptycta recava* Bess & Yoshizawa, 2007. Japan (VIII): Yoshizawa, 2016c.

*Sigmatoneura kolbei* (Enderlein). Japan (VIII): Yoshizawa, 2016c.

*Sigmatoneura mitsuhashiana* (Okamoto). Japan (VIII): Yoshizawa, 2016c.

*Symbiopsocus hastatus* Mockford, 2003c. Japan (VIII): Yoshizawa, 2016c.

*Thyrsopsocopsis amazonicus*\* Roman-Palacios, Garcia Aldrete & Gonzalez Obando, 2016: 5. Brazil (V).

*Trichadenotecnum album* Yoshizawa, 2001a. Japan (VIII): Yoshizawa, 2016c.

*Trichadenotecnum alexandrae* Sommerman. Japan (VIII): Yoshizawa, 2016c.

*Trichadenotecnum amamiense* Yoshizawa, 2001a. Japan (VIII): Yoshizawa, 2016c.

*Trichadenotecnum castum* Betz. Japan (VIII): Yoshizawa, 2016c.

*Trichadenotecnum circularoides* Badonnel. Japan (VIII): Yoshizawa, 2016c.

*Trichadenotecnum corniculum* Yoshizawa, 2003c. Japan (VIII): Yoshizawa, 2016c.

*Trichadenotecnum falx* Yoshizawa, 2001a. Japan (VIII): Yoshizawa, 2016c.

*Trichadenotecnum furcalingum* Yoshizawa, 2001a. Japan (VIII): Yoshizawa, 2016c.

*Trichadenotecnum fuscipenne* Yoshizawa, 2001a. Japan (VIII): Yoshizawa, 2016c.

*Trichadenotecnum gallicum* Lienhard. Czech Republic (I): Holusa, 2012c (figs).

*Trichadenotecnum germanicum* Roesler. Germany (I): Schmidt, 2015.

*Trichadenotecnum germinatum* Yoshizawa, 2003c. Japan (VIII): Yoshizawa, 2016c.

*Trichadenotecnum incognitum* Roesler. Japan (VIII): Yoshizawa, 2016c.  
*Trichadenotecnum kumejimense* Yoshizawa, 2001a. Japan (VIII): Yoshizawa, 2016c.  
*Trichadenotecnum latebrachium* Yoshizawa, 2001a. Japan (VIII): Yoshizawa, 2016c.  
*Trichadenotecnum magnomixtum* Yoshizawa, 2001a. Japan (VIII): Yoshizawa, 2016c.  
*Trichadenotecnum majus* (Kolbe). Czech Republic (I): Mazac, 2016 (ecol.). Germany (I): Schmidt, 2015 (fig.). Romania (I): Moldovan *et al.*, 2007. Russia (I): Golub, 2015, 2016. Biol: Vershinina & Kuznetsova, 2016 (parthenogenesis).  
*Trichadenotecnum mixtum* Yoshizawa, 2001a. Japan (VIII): Yoshizawa, 2016c.  
*Trichadenotecnum nothoapertum* Yoshizawa, 2001a. Japan (VIII): Yoshizawa, 2016c.  
*Trichadenotecnum okinawense* Yoshizawa, 2001a. Japan (VIII): Yoshizawa, 2016c.  
*Trichadenotecnum pardus* Badonnel. Japan (VIII): Yoshizawa, 2016c.  
*Trichadenotecnum punctipenne* New. **Synonymy:** Yoshizawa, *in*: Yoshizawa *et al.*, 2016 (2017): 174. Brazil (V).  
*Trichadenotecnum pseudomedium* Yoshizawa, 2001a. Japan (VIII): Yoshizawa, 2016c.  
*Trichadenotecnum sexpunctatum* (Linnaeus). Albania (I): Lock, 2015. Czech Republic (I): Mazac, 2016 (ecol.). Germany (I): Schmidt, 2015. Romania (I): Moldovan *et al.*, 2007. Russia (I): Golub, 2016. Not known from present day Japan (VIII): Yoshizawa, 2016c: 18.  
*Trichadenotecnum sexpunctellum* (Enderlein). Japan (VIII): Yoshizawa, 2016c.  
*Trichadenotecnum takahashii* Yoshizawa, 2001a. Japan (VIII): Yoshizawa, 2016c.  
*Trichadenotecnum ufla*\* Yoshizawa, *in*: Yoshizawa *et al.*, 2016 (2017): 170 (assigned to *Trichadenotecnum* s. str.). Brazil (V).  
*Trichadenotecnum yaeyamense* Yoshizawa, 2001a. Japan (VIII): Yoshizawa, 2016c.  
*Trichadenotecnum yamatomajus* Yoshizawa, 2001a. Japan (VIII): Yoshizawa, 2016c.  
*Trichadenotecnum yonaguniense* Yoshizawa, 2001a. Japan (VIII): Yoshizawa, 2016c.

#### **Psocidae (Add. 17)**

*Amphigerontia anchorae* Li Fasheng. Korea (VIII): Soysouvanh *et al.*, 2017.  
*Amphigerontia contaminata* (Stephens). Bulgaria (I): Georgiev, 2017d. Korea (VIII): Soysouvanh *et al.*, 2017.  
*Amphigerontia montivaga* (Chapman). Phylog.: Yoshizawa *et al.*, 2017a (mitochondrial genome).  
*Blaste conspurcata* (Rambur). Bulgaria (I): Georgiev, 2017d.  
*Dictyopsocus pennicornis* (Burmeister). Brazil (V): Oliveira *et al.*, 2017 (figs).  
*Loensia fasciata* (Fabricius). Korea (VIII): Soysouvanh *et al.*, 2017.  
*Longivalvus hyalospilus* Li Fasheng, 2002a. Genet.: Liu Xiaochen *et al.*, 2017 (mitochondrial genome). Phylog.: Yoshizawa *et al.*, 2017a (mitochondrial genome).  
*Metylophorus* spec. Morph.: Ogawa & Yoshizawa, 2017b (in-flight wing-coupling structure).  
*Metylophorus nebulosus* (Stephens). Bulgaria (I): Georgiev, 2017d. Korea (VIII): Soysouvanh *et al.*, 2017.  
*Neoblaste papillosa* Thornton. Korea (VIII): Soysouvanh *et al.*, 2017.  
*Neopsocus rhenanus* Kolbe. Bulgaria (I): Georgiev & Todorov, 2017.  
*Psococerastis albimaculata* Li Fasheng & Yang Chikun. Genet.: Liu Xiaochen *et al.*, 2017 (mitochondrial genome). Phylog.: Yoshizawa *et al.*, 2017a (mitochondrial genome).  
*Psococerastis gibbosa* (Sulzer). Bulgaria (I): Georgiev, 2017d.  
*Psococerastis tokyoensis* (Enderlein). Korea (VIII): Soysouvanh *et al.*, 2017.  
*Psocus bipunctatus* (Linnaeus). Bulgaria (I): Georgiev, 2017d; Georgiev & Todorov, 2017. Korea (VIII): Soysouvanh *et al.*, 2017.  
*Sigmatoneura kolbei* (Enderlein). Korea (VIII): Soysouvanh *et al.*, 2017.  
*Trichadenopsocus alternatus* Li Fasheng, 2002a. Korea (VIII): Soysouvanh *et al.*, 2017.  
*Trichadenotecnum* Enderlein. Phylog., Biogeography: Yoshizawa *et al.*, 2017b.  
*Trichadenotecnum innuptum* Betz. Bulgaria (I): Georgiev, 2017d.  
*Trichadenotecnum majus* (Kolbe). Bulgaria (I): Georgiev, 2017d.

#### **Psocidae (Add. 18)**

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.  
*Cerastipsocus bogotanus* (Kolbe). Colombia (V): Garcia Aldrete *et al.*, 2018.  
*Cerastipsocus coloratus* (Kolbe). Colombia (V): Garcia Aldrete *et al.*, 2018.  
*Cerastipsocus infectus* (McLachlan). Colombia (V): Garcia Aldrete *et al.*, 2018.  
*Cerastipsocus moestus* (Kolbe). Colombia (V): Garcia Aldrete *et al.*, 2018.  
*Cerastipsocus pallidinervis* (Kolbe). Colombia (V): Garcia Aldrete *et al.*, 2018.  
*Cerastipsocus trifasciatus* (Provancher). Colombia (V): Garcia Aldrete *et al.*, 2018.  
*Cerastipsocus vetustus* (Kolbe). Colombia (V): Garcia Aldrete *et al.*, 2018.  
*Cervopsocus medialis* New. Colombia (V): Garcia Aldrete *et al.*, 2018.  
*Elaphopsocoides colombiensis* Roman Palacios, Garcia Aldrete & Gonzalez Obando, 2014. Colombia (V): Garcia Aldrete *et al.*, 2018.  
*Elaphopsocoides lahonduraensis* Roman Palacios, Garcia Aldrete & Gonzalez Obando, 2014. Colombia (V): Garcia Aldrete *et al.*, 2018.  
*Elaphopsocus boyacaensis* Roman-Palacios, Gonzalez Obando & Garcia Aldrete, 2016.  
*Elaphopsocus cundinamarcaensis* Roman-Palacios, Gonzalez Obando & Garcia Aldrete, 2016. Colombia (V): Garcia Aldrete *et al.*, 2018.  
*Elaphopsocus gorriones* Roman-P., Gonzalez Obando & Garcia Aldrete, 2015. Colombia (V): Garcia Aldrete *et al.*, 2018.  
*Elaphopsocus nasa* Roman-P., Gonzalez Obando & Garcia Aldrete, 2015. Colombia (V): Garcia Aldrete *et al.*, 2018.  
*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 stigmaphysis); 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.

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

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

*Trichadenotecnum godavarensense* New. Lonsdale & Locke, 2018: Holotype in Canadian National Collection, Nepal (VIII).

*Trichadenotecnum masoni* New. Lonsdale & Locke, 2018: Holotype in Canadian National Collection, Nepal (VIII).

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

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

### **Psocidae (Add. 19)**

Canada (III): Anonby, 2019 (29 species of Psocidae known from Canada, not listed).

*Amphigerontia alticola* New & Thornton. Data about type material: Silva Neto *et al.*, 2019b.

*Amphigerontia bifasciata* (Latreille). Cytol., Genet.: Golub *et al.*, 2019 (chromosomes).

*Amphigerontia contaminata* (Stephens). Greece (I): Georgiev & Ivanova, 2019a.

*Blaste* spec. Bulgaria (I): Georgiev, 2018b.

*Blaste alfineta* New. Data about type material: Silva Neto *et al.*, 2019b.

*Blaste forcepata* (New). Data about type material: Silva Neto *et al.*, 2019b.

*Blaste macrura* (New). Data about type material: Silva Neto *et al.*, 2019b.

*Blaste obscura* (New). Data about type material: Silva Neto *et al.*, 2019b.

*Blaste richardsi* New. Data about type material: Silva Neto *et al.*, 2019b.

*Blastopsocidus brasiliensis* (New). Data about type material: Silva Neto *et al.*, 2019b.

*Cerastipsocus beaveri* New. Data about type material: Silva Neto *et al.*, 2019b.

*Cerastipsocus kolbei* New. Data about type material: Silva Neto *et al.*, 2019b.

*Indiopsocus expansus* (New & Thornton). Data about type material: Silva Neto *et al.*, 2019b.

*Indiopsocus sinuatic stigma* (New). Data about type material: Silva Neto *et al.*, 2019b.

*Longivalvus hyalospilus* Li Fasheng, 2002a. Evol: Song Fan *et al.*, 2019 (mitochondrial genome data used for analysis of Psocodea phylogeny).

*Metylophorus* spec. Japan (VIII): Kido & Yoshizawa, 2019 (figs).

*Metylophorus bishopi* New. Data about type material: Silva Neto *et al.*, 2019b.

*Metylophorus ctenatus* New. Data about type material: Silva Neto *et al.*, 2019b.

*Metylophorus mutabilis*\* Kido & Yoshizawa, 2019: 24. Japan (VIII).  
*Metylophorus nebulosus* (Stephens). Japan (VIII): Kido & Yoshizawa, 2019. Cytol., Genet.: Golub *et al.*, 2019 (chromosomes).  
*Metylophorus rotundispinus*\* Kido & Yoshizawa, 2019: 27. Japan (VIII).  
*Metylophorus symmetriformis*\* Yoshizawa, 2019, *in* Kido & Yoshizawa, 2019: 27. Japan (VIII).  
*Ophthalmopsocus pallidus* (New). Data about type material: Silva Neto *et al.*, 2019b.  
*Oreopsocus montanus* (Kolbe). Bulgaria (I): Georgiev, 2019.  
*Psococerastis albimaculata* Li Fasheng & Yang Chikun. Evol: Song Fan *et al.*, 2019 (mitochondrial genome data used for analysis of Psocodea phylogeny).  
*Psococerastis gibbosa* (Sulzer). Cytol., Genet.: Golub *et al.*, 2019 (chromosomes).  
*Psococerastis hageni* New. Data about type material: Silva Neto *et al.*, 2019b.  
*Psococerastis interrupta* New. Data about type material: Silva Neto *et al.*, 2019b.  
*Psocomesites spinosus* (New & Thornton). Data about type material: Silva Neto *et al.*, 2019b.  
*Ptycta elena* New & Thornton. Data about type material: Silva Neto *et al.*, 2019b.  
*Ptycta lunulata* New. Data about type material: Silva Neto *et al.*, 2019b.  
*Ptycta pearmani* New. Data about type material: Silva Neto *et al.*, 2019b.  
*Ptycta reticulata* New. Data about type material: Silva Neto *et al.*, 2019b.  
*Steleops maculatus* New. Data about type material: Silva Neto *et al.*, 2019b.  
*Steleops pulcher* New. Data about type material: Silva Neto *et al.*, 2019b.  
*Trichadenotecnum incognitum* Roesler. Morph.: Cheng Zixin & Yoshizawa, 2019 (functional morphology of genitalia).  
*Trichadenotecnum pichincha* New & Thornton. Data about type material: Silva Neto *et al.*, 2019b.  
*Trichadenotecnum pseudomedium* Yoshizawa, 2001a. Morph.: Cheng Zixin & Yoshizawa, 2019 (functional morphology of genitalia).  
*Trichadenotecnum roesleri* New. Data about type material: Silva Neto *et al.*, 2019b.  
*Trichadenotecnum shawi* Yoshizawa & Garcia Aldrete, 2010. Data about type material: Silva Neto *et al.*, 2019b.  
*Trichadenotecnum sinuatum* New. Data about type material: Silva Neto *et al.*, 2019b.

#### **Psocidae (Add. 20)**

Checklist of species recorded from Brazil (V): Silva-Neto & Garcia Aldrete, 2020.  
 Psocidae gen. spec. Brazil (V): Rafael *et al.*, 2020.  
*Amphigerontia contaminata* (Stephens). Bulgaria (I): Georgiev, 2020b, 2020c.  
*Blaste conspurcata* (Rambur). Bulgaria (I): Georgiev, 2020b, 2020c.  
*Elaphopsocus bahianus* Roman-P., Gonzalez Obando & Garcia Aldrete, 2015. Deposition of type material: Silva Ferreira *et al.*, 2020.  
*Loensia fasciata* (Fabricius). Bulgaria (I): Georgiev, 2020c.  
*Loensia pearmani* Kimmins. Bulgaria (I): Georgiev, 2020c.  
*Loensia variegata* (Latreille). Bulgaria (I): Georgiev, 2020c.  
*Metylophorus nebulosus* (Stephens). Bulgaria (I): Georgiev, 2020b, 2020c.  
*Neopsocus rhenanus* Kolbe. Bulgaria (I): Georgiev, 2020b, 2020c.  
*Oreopsocus montanus* (Kolbe). Bulgaria (I): Georgiev, 2020c.  
*Psococerastis gibbosa* (Sulzer). Bulgaria (I): Georgiev, 2020c.  
*Psocus bipunctatus* (Linnaeus). Bulgaria (I): Georgiev, 2020c.  
*Symbiopsocus* Li Fasheng. Key to species: Ning Jinjin, Li Fasheng & Liu Xingyue, 2020.  
*Symbiopsocus vietnamicus*\* Ning Jinjin, Li Fasheng & Liu Xingyue, 2020: 415. Vietnam (VIII).  
*Trichadenotecnum affinifelix*\* Yoshizawa & Lienhard, 2020b: 174. Thailand (VIII).  
*Trichadenotecnum alfonsoi*\* Yoshizawa & Lienhard, 2020b: 173. Thailand (VIII).  
*Trichadenotecnum innuptum* Betz. Bulgaria (I): Georgiev, 2020c.  
*Trichadenotecnum lingens*\* Yoshizawa & Lienhard, 2020b: 174. Thailand (VIII).  
*Trichadenotecnum majus* (Kolbe). Bulgaria (I): Georgiev, 2020c.  
*Trichadenotecnum palmula*\* Yoshizawa & Lienhard, 2020b: 174. Thailand (VIII).  
*Trichadenotecnum separatum*\* Yoshizawa & Lienhard, 2020b: 175. Thailand (VIII).  
*Trichadenotecnum sexpunctatum* (Linnaeus). Bulgaria (I): Georgiev, 2020c.

## Additions to the Bibliography (Synthesis of Parts 11-20)

**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; the suffix-letters used in this synthesis are the same as those used in the initial parts of the "Additions to Lienhard & Smithers, 2002" published in *Psocid News*.

For a **subject bibliography** see below and *Psocid News* Special Issue 2 (Lienhard, 2016c): <http://hdl.handle.net/2115/35519>

- Aghadokht, P., Fekrat, L. & Sadeghi Namghi, H. 2015. First record of *Graphopsocus cruciatus* (Linnaeus) and *Ectopsocopsis cryptomeriae* (Enderlein) (Psocoptera: Psocomorpha: Stenopsocidae and Ectopsocidae) from Iran. *Entomofauna* 36(16): 217-220.
- Alejo, G. B., Zamar, M. & Contreras, E. F. 2019. Diversity and functional groups of arthropods in greenhouse crop of *Chrysanthemum morifolium* Ramat. (Asterales: Asteraceae) from Jujuy, Argentina. *Revista de la Sociedad Entomologica Argentina* 78(1): 22-35. **(Only abstract seen)**.
- Alexander, K. N. A. 2008c. Psocoptera (barkflies). *Devonshire Association for the Advancement of Science, Literature and the Arts, Report and Transactions* 140: 324-325.
- Alexander, K. N. A. 2009b. Psocoptera (barkflies). *Devonshire Association for the Advancement of Science, Literature and the Arts, Report and Transactions* 141: 359-360.
- Alexander, K. N. A. 2010. Psocoptera (barkflies). *Devonshire Association for the Advancement of Science, Literature and the Arts, Report and Transactions* 142: 347-348.
- Alexander, K. N. A. 2011a. Psocoptera (barkflies). *Devonshire Association for the Advancement of Science, Literature and the Arts, Report and Transactions* 143: 422-423.
- Alexander, K. N. A. 2011b. *Valenzuela atricornis* McLachlan (Psocoptera: Caeciliusidae) new to Leicestershire and the East Midlands. *Entomologist's Record and Journal of Variation* 123(1): 53.
- Alexander, K. N. A. 2013a. Confirmation of the barkfly *Atlantopsocus personatus* (Hagen) (Insecta: Psocoptera) as an Irish species. *Irish Naturalists' Journal* 32(1): 72.
- Alexander, K. N. A. 2013b. Psocoptera (barkflies). *Devonshire Association for the Advancement of Science, Literature and the Arts, Report and Transactions* 145: 348.
- Alexander, K. N. A. 2014. Psocoptera (barkflies). *Devonshire Association for the Advancement of Science, Literature and the Arts, Report and Transactions* 146: 363-364.
- Alexander, K. N. A. 2016. Some records of barkflies (Psocoptera) from the Isle of Man. *Entomologist's Monthly Magazine* 152: 155-156.
- Alexander, K. N. A. 2017. *Chilenocaecilius ornatipennis* (Blanchard) (Psocodea: 'Psocoptera', Paracaeciliidae) in Scotland and England. *Entomologist's Monthly Magazine* 153(1): 44.
- Alexander, K. N. A. 2019. *Chilenocaecilius ornatipennis* (Blanchard) (Psocodea: 'Psocoptera': Paracaeciliidae) continues to expand across western Britain and Ireland. *Entomologist's Monthly Magazine* 155: 212-213, 1 map.
- Alvarenga, D. A., Sperandei, V. F., Souza Silva, M. & Ferreira, R. L. 2019. Como a fauna de invertebrados responde a heterogeneidade de habitat em cavernas de regiões semiáridas da Namíbia e do Brasil? *Anais do 35º Congresso Brasileiro de Espeleologia Bonito/MS, 19-22 de junho de 2019 – Sociedade Brasileira de Espeleologia*, pp. 581-589.
- Alvarez-Parra, S., Peñalver, E., Nel, A. & Delclòs, X. 2020. The oldest representative of the extant barklice genus *Psyllipsocus* (Psocodea: Trogiomorpha: Psyllipsocidae) from the Cenomanian amber of Myanmar. *Cretaceous Research* 113, article 104480, 9 pp., 4 figs.
- Aminatou, B. A., Gautam, S. G., Opit, G. P., Talley, J. & Shakya, K. 2011. Population growth and development of *Liposcelis pearmani* (Psocoptera: Liposcelididae) at constant temperatures and relative humidities. *Environmental Entomology* 40(4): 788-796. **(Only**

**abstract seen).**

- Angarten, N. B. de O., Ramos, A. M., Anastacio, E. M. F. & Tagliari, P. D., 2017. Caracterização da fauna de invertebrados em cavidades naturais no âmbito do licenciamento ambiental da ferrovia de integração oeste-leste. *Anais do 34o Congresso Brasileiro de Espeleologia, Ouro Preto MG, 13-18 de junho de 2017, Sociedade Brasileira de Espeleologia*, pp. 9-21.
- Angulo Ordoñez, G. G., Dor, A., Campuzano Granados, E. F. & Ibarra Nuñez, G. 2019. Comportamiento depredador de dos especies de arañas del genero *Phonotimpus* (Araneae: Phrurolithidae). *Acta Zoologica Mexicana* (Nueva Serie) 35: 1-12.
- Anonby, J. E. 2019. Psocoptera of Canada. *ZooKeys* 819: 295-299.
- Anonymous 2012. A curious underground phenomenon. Microcrystals found coating the wings of an insect living in a cave. *The Underground Movement* 12(12): 16, 3 figs. (NOTE: This is a summary of Lienhard *et al.*, 2012).
- Anonymous 2018. Kazunori Yoshizawa. *Ig Nobel Prize Fanbook* 15: 47 pp. (In Japanese).
- Anonymous 2019. Rodrigo Ferreira and Charles Lienhard. *Ig Nobel Prize Fanbook* 17: 59 pp. (In Japanese and English).
- Ansaloni, L. S., Salmazo, J. R. & Guimaraes, M. V. U. 2018. Entomogen galls in a seasonal semideciduous forest area in Sorocaba, Southeast of Sao Paulo State, Brazil. *Biota Neotropica* 18(4): e20180523. **(Only abstract seen).**
- Araujo de, A. V. & Peixoto, R. S. 2015. The impact of geomorphology and human disturbances on the faunal distributions in Tiquara and Angico caves of Campo Formoso, Bahia, Brazil. *Ambient Science* 2(1): 25-30. **(Only abstract seen).**
- Araujo, E. S., Koch, E. B. A., Delabie, J. H. C., Zeppelini, D., Da Rocha, D. W., Castano-Meneses, G. & Mariano, C. S. F. 2019. Diversity of commensals in nests of ants of the genus *Neoponera* (Hymenoptera: Formicidae: Ponerinae) in Bahia, Brazil. *Annales de la Société Entomologique de France* 55(4): 291-299. **(Only abstract seen).**
- Araujo Barroso, K. de, Silva-Neto, A. M. da, Garcia Aldrete, A. N. & Rafael, J. A. 2020. *Euplocania* Enderlein: description of the female of *E. quinquedivisa* Silva-Neto, Garcia Aldrete & Rafael (Psocodea, 'Psocoptera', Ptiloneuridae), with a checklist of *Euplocania* species in Brazil. *Papeis Avulsos de Zoologia* 60: e20206020, 6 pp., 11 figs.
- Arif, M., Ochoa-Corona, F. M., Opit, G. P., Li, Z.-H., Kucerova, Z., Stejskal, V. & Yang, Q.-Q. 2012. PCR and isothermal-based molecular identification of the stored-product psocid pest *Lepinotus reticulatus* (Psocoptera: Trogiidae). *Journal of Stored Products Research* 49: 184-188, 1 fig.
- Arif, M., Opit, G., Mendoza-Yerbafria, A., Dobhal, S., Li Zhihong, Kucerova, Z. & Ochoa-Corona, F. M. 2015. Array of synthetic oligonucleotides to generate unique multi-target artificial positive controls and molecular probe-based discrimination of *Liposcelis* species. *PLoS ONE* 10(6): e0129810. doi:10.1371/journal.pone.0129810.
- Arthur, F. H., Hartzler, K. L., Throne, J. E. & Flinn, P. W. 2017. Freezing for control of stored-product psocids. *Journal of Stored Products Research* 72: 166-172. **(Only abstract seen).**
- Ashmole, P. & Ashmole, M. 2004. The invertebrates of Prosperous Bay Plain, St Helena. A survey, September – December 2003, commissioned by the St Helena Government and financed by the Foreign and Commonwealth Office, 80 pp. (Unpublished report). (Psoc.: p. 34 and Table 1).
- Atencia, P., Solano, L. & Liria, J. 2020. Morphometric differentiation and diet of *Engystomops pustulosus* (Amphibia: Leptodactylidae) in three populations from Colombia. *Russian Journal of Herpetology* 27(3): 156-164. **(Only abstract seen).**
- Athanassiou, C. G., Arthur, F. H. & Throne, J. E. 2010d. Efficacy of methoprene for control of five species of psocids (Psocoptera) on wheat, rice, and maize. *Journal of Food Protection* 73(12): 2244-2249. **(Only abstract seen).**
- Athanassiou, C. G., Arthur, F. H., Kavallieratos, N. G. & Throne, J. E. 2011. Efficacy of pyriproxyfen for control of stored-product psocids (Psocoptera) on concrete surfaces. *Journal of Economic Entomology* 104(5): 1765-1769. **(Only abstract seen).**
- Athanassiou, C. G., Phillips, T. W., Aikins, M. J., Hasan, M. M. & Throne, J. E. 2012. Effectiveness of sulfuryl fluoride for control of different life stages of stored-product psocids (Psocoptera). *Journal of Economic Entomology* 105(1): 282-287. **(Only abstract seen).**

- 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).**
- Athanassiou, C. G., Kavallieratos, N. G., Arthur, F. H. & Throne, J. E. 2014a. Residual efficacy of chlorfenapyr for control of stored-product psocids (Psocoptera). *Journal of Economic Entomology* 107(2): 854-859. **(Only abstract seen).**
- Athanassiou, C. G., Kavallieratos, N. G., Throne, J. E. & Nakas, C. T. 2014b. Competition among species of stored-product psocids (Psocoptera) in stored grain. *PLOS ONE* 9(8): e102867. DOI: 10.1371/journal.pone.0102867. **(Only abstract seen).**
- Athanassiou, C. G., Hasan, M. M., Phillips, T. W., Aikins, M. J. & Throne, J. E. 2015. Efficacy of methyl bromide for control of different life stages of stored-product psocids. *Journal of Economic Entomology* 108(3): 1422-1428. **(Only abstract seen).**
- Athanassiou, C. G., Arthur, F. H. & Hartzler, K. L. 2018. Efficacy of low temperatures for the control of all life stages of *Plodia interpunctella* and *Liposcelis bostrychophila*. *Journal of Pest Science* 91(4): 1363-1369. **(Only abstract seen).**
- Athanassiou, C. G., Arthur, F. H., Campbell, J. E. & Donaldson, J. E. 2019. Particle size matters: Efficacy of aerosols for the control of stored product psocids. *Journal of Stored Products Research* 83: 148-152. **(Only abstract seen).**
- Avtzis, D. N., Coyle, D. R., Christopoulos, V. & Roques, A. 2017. Biological invasions, national borders, and the current state of non-native insect species in Greece and the neighbouring Balkan countries. *Bulletin of Insectology* 70(2): 161-169. (Psoc.: p. 163).
- Azar, D. 2014. Tertiary bark lice (Insecta: Psocodea) from the Insect Limestone (Bembridge Marls, Late Eocene) of the Isle of Wight, UK. *Earth and Environmental Science Transactions of the Royal Society of Edinburgh* 104: 307-316, 9 figs, 2 plates. Doi:10.1017/S1755691014000036.
- Azar, D. & Nel, A. 2011. The oldest psyllipsocid booklice, in Lower Cretaceous amber from Lebanon (Psocodea, Trogiomorpha, Psocathropetae, Psyllipsocidae). *ZooKeys* 130: 153-165, 12 figs.
- Azar, D., Nel, A. & Perrichot, V. 2014. Diverse barklice (Psocodea) from Late Cretaceous Vendean amber. *Paleontological Contributions* 10C: 9-15, 4 figs.
- Azar, D., Huang Diying, Cai Chenyang & Nel, A. 2015. The earliest records of pachytroctid booklice from Lebanese and Burmese Cretaceous ambers (Psocodea, Troctomorpha, Nanopsocetae, Pachytroctidae). *Cretaceous Research* 52: 336-347, 41 figs.
- Azar, D., Hakim, M. & Huang Diying 2016a. A new compsocid booklouse from the Cretaceous amber of Myanmar (Psocodea: Troctomorpha: Amphientometae: Compsocidae). *Cretaceous Research* 68: 28-33, 5 figs.
- Azar, D., Hakim, M., Huang Diying, Cai Chenyang & Nel, A. 2016b. New fossil booklice from the Cretaceous amber of Myanmar (Psocodea: Troctomorpha: Amphientometae: Manicapsocidae). *Cretaceous Research* 70 (2017): 8-14, 8 figs. (Published online 29 September 2016).
- Azar, D., Huang Diying, El-Hajj, L., Cai Chenyang, Nel, A. & Maksoud, S. 2017. New Prionoglarididae from Burmese amber (Psocodea: Trogiomorpha: Prionoglaridetae). *Cretaceous Research* 75: 146-156, 15 figs.
- Azar, D., Maksoud, S., Nammour, C., Nel, A. & Wang, B. 2018. A new trogiid genus from lower Eocene Fushun amber (Insecta: Psocodea: Trogiomorpha). *Geobios* 51: 101-106, 3 figs.
- Azar, D., Garrouste, R. & Arillo, A. 2019. André Nel sixtieth anniversary Festschrift. *Palaeoentomology* 002 (6): 534-555, 5 figs.
- Babaei, D. & Vadas, P. 2020. Anaphylaxis to oatmeal and psocid crisps. *Iranian Journal of Allergy Asthma and Immunology* 19(2): 200-202. **(Only abstract seen).**
- Bacic, T., Trcak, B. & Jogan, N. 2010. Damage by pests in Herbarium LJU. *Acta Biologica Slovenica* 53(2): 13-21.
- Bagci, F., Yilmaz, A. & Erturk, S. 2014. Insect pest species in grain warehouses in Ankara province. *Bitki Koruma Bulteni* 54(1): 69-78. (In Turkish, with English abstract). **(Only abstract seen).**

- Bai Chunqi, Hou Judong, Guo Xu, Liu Xinyu, Zhang Hao & Wang Dianxuan. 2020. Efficacy of ethylenesulphonyl fluoride against stored grain psocids, *Liposcelis bostrychophila* Badonnel and *Liposcelis entomophila* (Enderlein). *Journal of Stored Products Research* 88, article number 101674. **(Only abstract seen)**.
- Balazuc, J. 1951. La tératologie des hémiptères et groupes voisins. *Annales de la Société Entomologique de France* 120: 17-66. (Psoc.: pp. 18-19).
- Basset, Y., Cizek, L., Cuénoud, P., Didham, R. K., Guilhaumon, F., Missa, O., Novotny, V., Odegaard, F., Roslin, T., Schmidl, J., Tishechkin, A. K., Winchester, N. N., Roubik, D. W., Aberlenc, H.-P., Bail, J., Barrios, H., Bridle, J. R., Castaño-Meneses, G., Corbara, B., Curletti, G., Duarte da Rocha, W., De Bakker, D., Delabie, J. H. C., Dejean, A., Fagan, L. L., Floren, A., Kitching, R. L., Medianero, E., Miller, S. E., Gama de Oliveira, E., Orivel, J., Pollet, M., Rapp, M., Ribeiro, S. P., Roisin, Y., Schmidt, J. B., Sorensen, L. & Leponce, M. 2012. Arthropod diversity in a tropical forest. *Science* 338: 1481-1484, 3 figs. (Psoc.: Fig. 1A).
- Baz, A. 2003. Catalogo provisional de los Psocopteros de Andalucía (Insecta, Psocoptera). *Boletín de la Asociación Española de Entomología* 27: 13-39, 1 fig.
- Baz, A. 2010. Ordem Psocoptera (p. 214). In: Borges, P. A. V., Costa, A., Cunha, R., Gabriel, R., Gonçalves, V., Martins, A. F., Melo, I., Parente, M., Raposeiro, P., Rodrigues, P., Santos, R. S., Silva, L., Vieira, P. & Vieira, V. (eds). A list of the terrestrial and marine biota from the Azores. *Principia, Cascais*, 432 pp.
- Beckett, S. J. 2011. Insect and mite control by manipulating temperature and moisture before and during chemical-free storage. *Journal of Stored Products Research* 47: 284-292.
- Ben Bnina, E., Hajlaoui, H., Chaieb, I., Daami-Remadi, M., Ben Said, M. & Ben Jannet, H. 2019. Chemical composition, antimicrobial and insecticidal activities of the tunisian *Citrus aurantiacum* essential oils. *Czech Journal of Food Sciences* 37(2): 81-92. **(Only abstract seen)**.
- Bernardes Portela, M., Idalino Rodrigues, E., de Sousa Rodrigues de Sousa Rodrigues Filho, C. A., Ferreira Rezende, C. & Senna de Oliveira, T. 2019. Do ecological corridors increase the abundance of soil fauna? *Ecoscience* 27(1): 45-57 (2020), early access online December 2019. **(Only abstract seen)**.
- Beron, P. 2016. Faune cavernicole de la Grèce. *Musée National d'Histoire Naturelle, Académie Bulgare des Sciences, East-West, Sofia*, 229 pp. (Psoc.: p. 80).
- Bertone, M. A., Leong, M., Bayless, K. M., Malow, T. L. F., Dunn, R.R. & Trautwein, M. D. 2016. Arthropods of the great indoors: characterizing diversity inside urban and suburban homes. *PeerJ*, vol. 4, article no. e1582. DOI: 10.7717/peerj.1582.
- Bess, E. 2011 [unpublished PhD thesis]. Biogeography and phylogenetics of Hawaiian bark lice. *Graduate College of the University of Illinois at Urbana-Champaign*, vi+115 pp.
- Bess, E. C., Catanach, T. A. & Johnson, K. P. 2014. The importance of molecular dating analyses for inferring Hawaiian biogeographical history: a case study with bark lice (Psocidae: *Ptycta*). *Journal of Biogeography* 41: 158-167, 2 figs.
- Beukeboom, L. W. 2017. An extraordinary sex determination mechanism in a book louse. *Genetics* 206(2): 751-753.
- Beutel, R. G., Friedrich, F., Ge Si-Qin & Yang Xing-Ke 2014. Insect morphology and phylogeny. A textbook for students of entomology. *De Gruyter, Berlin*, xv+516 pp. (Psoc.: pp. 296-304, 4 figs).
- Beutel, R. G., Yavorskaya, M. I., Mashimo, Y., Fukui, M. & Meusemann, K. 2017. The phylogeny of Hexapoda (Arthropoda) and the evolution of megadiversity. *Proceedings of the Athropodan Embryological Society of Japan* 51: 1-15.
- Bezdek, J. & Hajek, J. 2017. Insect biodiversity of the Socotra Archipelago – underlined and counted. *Acta Entomologica Musei Nationalis Pragae* 57 (Supplementum): 1-39. (Psoc.: p. 7).
- Bichuette, M. E., Bertelli Simões, L., Zepon, T., von Schimonsky, D. M. & Gallão, J. E. 2019. Richness and taxonomic distinctness of cave invertebrates from the northeastern state of Goiás, central Brasil: a vulnerable and singular area. *Subterranean Biology* 29: 1-33.
- Birkhofer, K. & Wolters, V. 2012. The global relationship between climate, net primary

- production and diet of spiders. *Global Ecology and Biogeography* 21(2): 100-108. **(Only abstract seen)**.
- Blick, T. & Dorow, W. H. O. 2014a. Weitere Tiergruppen im Naturwaldreservat Kinzigau (Hessen). Untersuchungszeitraum 1999-2001. In: Blick, T., Dorow, W. H. O. & Köhler, G. Kinzigau. Zoologische Untersuchungen 1999-2001, Teil 2. *Naturwaldreservate in Hessen* 13: 161-192. (Psoc.: pp. 177-179).
- Blick, T. & Dorow, W. H. O. 2014b. Gesamtüberblick über die Gebietsfauna des Naturwaldreservats Kinzigau (Hessen) und ihre Bedeutung für den Naturschutz. Untersuchungszeitraum 1999-2001. In: Blick, T., Dorow, W. H. O. & Köhler, G. Kinzigau. Zoologische Untersuchungen 1999-2001, Teil 2. *Naturwaldreservate in Hessen* 13: 193-232. (Psoc.: p. 208).
- Bonduriansky, R. 2001. The evolution of male mate choice in insects: a synthesis of ideas and evidence. *Biological Reviews* 76: 305-339. (Psoc.: p. 319).
- Bonjour, E. L., Opit, G. P., Hardin, J., Jones, C. L., Payton, M. E. & Beeby, R. L. 2011. Efficacy of ozone fumigation against the major grain pests in stored wheat. *Journal of Economic Entomology* 104(1): 308-316. **(Only abstract seen)**.
- Borkhataria, R. R., Collazo, J. A. & Groom, M. J. 2012. Species abundance and potential biological control services in shade vs. sun coffee in Puerto Rico. *Agriculture Ecosystems & Environment* 151: 1-5. **(Only abstract seen)**.
- Boudinot, B. E. 2018. A general theory of genital homologies for the Hexapoda (Pancrustacea) derived from skeletomuscular correspondences, with emphasis on the Endopterygota. *Arthropod Structure & Development* 47: 563-613, 17 figs. (Psocodea: p. 579).
- Bouget, C. 2016. Secrets d'insectes – 1001 curiosités du peuple à 6 pattes. *Editions Quae, Versailles*, 287 pp. (Psoc.: p. 62, copulation in *Neotrogla*).
- Brandt, A., Bast, J., Schein, S., Meusemann, K., Donath, A., Schütte, K., Machida, R. & Kraaijeveld, K. 2019. No signal of deleterious mutation accumulation in conserved gene sequences of extant asexual hexapods. *Scientific Reports* 9, article number 5338.
- Brasero, N., Nel, A. & Michez, D. 2009. Insects from the Early Eocene amber of Oise (France): diversity and palaeontological significance. *Denisia* 26 (=Kataloge der oberösterreichischen Landesmuseen, Neue Serie 86): 41-52, 4 figs.
- Britton, D. 2011a. Inspirational voice of Australian Museum: Courtenay Smithers, 1925-2011. Online: <http://www.smh.com.au/national/obituaries/inspirational-voice-of-australian-museum-20110629-1gqu3.html>
- Britton, D. 2011b. Courtenay Smithers, 1925-2011. Online: <http://www.australianmuseum.net.au/courtenay-smithers>
- Britton, D. 2011c. Dr. Courtenay Neville Smithers 1925-2011. A tribute. *General and Applied Entomology* 40: 25-34, 1 photograph.
- Britton, D. R. 2012a. Courtenay Neville Smithers – His career in Australia. *Australian Entomologist* 39(4): 221-230, 5 figs.
- Britton, D. R. 2012b. List of patronymic taxa dedicated to Courtenay Smithers. *Australian Entomologist* 39(4): 238.
- Büchs, W. 1988. Stamm- und Rindenzoozönosen verschiedener Baumarten des Hartholzauenwaldes und ihr Indikatorwert für die Früherkennung von Baumschäden. Teil 1. PhD thesis, Rheinische Friedrich-Wilhelms-Universität, Bonn, 813 pp. (unpublished). (Psoc.: pp. 253-273).
- Burns, A. E., Cunningham, S. A. & Watson, D. M. 2011. Arthropod assemblages in tree canopies: a comparison of orders on box mistletoe (*Amyema miquelii*) and its host eucalypts. *Australian Journal of Entomology* 50(3): 221-230. **(Only abstract seen)**.
- Caldart, V. M., Iop, S., Bertaso, T. R. N. & Cechin, S. Z. 2012. Feeding ecology of *Crossodactylus schmidtii* (Anura: Hylodidae) in Southern Brazil. *Zoological Studies* 51(4): 484-493. (Psoc.: pp. 487-488).
- Calderon Martinez, N. R., Gonzalez Obando, R. & Garcia Aldrete, A. N. 2014. Descriptions and records of Cladiopsocidae and Dolabellopsocidae (Insecta: Psocodea: 'Psocoptera') from Valle del Cauca and National Natural Park Gorgona, Colombia. *Zootaxa* 3889(1): 1-30, 101 figs.

- Cameron, S. L. 2014. Insect mitochondrial genomics: Implications for evolution and phylogeny. *Annual Review of Entomology* 59: 95-117. (Psoc. mentioned in Tables 1 and 2 and on pp. 107-109).
- Cao Ju-Qin, Guo Shan-Shan, Wang Yang, Pang Xue, Geng Zhu-Feng & Du Shu-Shan 2018a. Contact toxicity and repellency of the essential oils of *Evodia lenticellata* Huang and *Evodia rutaecarpa* (Juss.) Benth. leaves against three stored product insects. *Journal of Oleo Science* 67(8): 1027-1034. **(Only abstract seen)**.
- Cao Ju-Qin, Guo Shan-Shan, Wang Yang, Pang Xue, Geng Zhu-Feng & Du Shu-Shan 2018b. Toxicity and repellency of essential oil from *Evodia lenticellata* Huang fruits and its major monoterpenes against three stored-product insects. *Ecotoxicology and Environmental Safety* 160: 342-348. **(Only abstract seen)**.
- Cardoso, C. F. & Silveira, F. A. 2012. Nesting biology of two species of *Megachile* (*Moureapis*) (Hymenoptera: Megachilidae) in a semideciduous forest reserve in southeastern Brazil. *Apidologie* 43(1): 71-81. [Only one unidentified specimen of psocids observed].
- Carmo, T. O. do 2009. Psocoptera em cavernas do Brasil: riqueza, composição e distribuição. *Universidade Federal de Lavras*, 98 pp., 22 figs. (Master Thesis, unpublished).
- Casasola-Gonzalez, J. A. 2020. Three new species of *Goja* Navas (Psocodea: 'Psocoptera': Epipsocidae) from Sierra Juarez, Oaxaca, Mexico. *Dugesiana* 27(2): 141-149, 22 figs.
- Casasola-Gonzalez, J. A., Garcia-Aldrete, A. N. & Herrera-Fuentes, M. del C. 2013. Psocopterans (Psocoptera: Insecta) from Zapotitlan Salinas, Puebla, Mexico: distribution of abundance and seasonality. *Revista Mexicana de Biodiversidad* 84: 612-621, 5 figs.
- Castane, C. & Riudavets, J. 2015. Sampling arthropod pests and natural enemies in stored barley. *Journal of Stored Products Research* 64(A): 54-61. **(Only abstract seen)**.
- Castaño-Meneses, G., Palacios-Vargas, J. G., Torres-Puga, E. & Mohar-Fresan, M. 2005. Biospeleology of Juxtlahuaca Caves: 20 years later. *Proceedings of the 14th International Congress of Speleology, 21-28 August 2005, Athens, Kalamos, Hellas*. Vol. 1: article O-44, 7 pp. (pages not numbered). (Psoc.: 2 species mentioned in Table 1).
- Cepelewicz, J. 2019. Why evolution reversed these insects' sex organs? *Quantamagazine*, online, January 30, 2019, 4 pp., 3 figs.
- Cerdeña, J. 2016. First record of the genus *Dorypteryx* Aaron, 1883 (Psocoptera: Psyllipsocidae) in South America: *Dorypteryx domestica* (Smithers, 1958) in Arequipa, Peru. *Check List* 12(6): article 2012, 3 pp., 2 figs.
- Chapman, R. B., Marris, J. W. M. & Drummond, J. B. 2016. Survey of insect pests of stored grain in New Zealand. *New Zealand Plant Protection* 69: 285-289. **(Only abstract seen)**.
- Chen Hai-Ping, Yang Kai, You Chun-Xue, Zheng Li-Shi, Cai Qian, Wang Cheng-Fang & Du Shu-Shan 2015. Repellency and toxicity of essential oil from *Atractylodes chinensis* rhizomes against *Liposcelis bostrychophila*. *Journal of Food Processing and Preservation* 39(6): 1913-1918. **(Only abstract seen)**.
- Chen Shi-Chun, Wei Dan-Dan, Shao Renfu, Dou Wei & Wang Jin-Jun 2014a. The complete mitochondrial genome of the booklouse, *Liposcelis decolor*: Insights into gene arrangement and genome organization within the genus *Liposcelis*. *PLOS ONE* 9(3): e91902. Doi:10.1371/journal.pone.0091902 (8 pp., 7 figs).
- Chen Shi-Chun, Wei Dan-Dan, Shao Renfu, Shi Jun-Xia, Dou Wei & Wang Jin-Jun 2014b. Evolution of multipartite mitochondrial genomes in the booklice of the genus *Liposcelis* (Psocoptera). *BMC Genomics* 15 (art. no. 861).
- Chen Zhenyang, Pang Xue, Guo Shanshan, Zhang Wenjuan, Geng Zhufeng, Zhang Zhe, Du Shushan & Deng Zhiwei 2019. Chemical composition and bioactivities of *Alpinia katsumadai* Hayata seed essential oil against three stored product insects. *Journal of Essential Oil Bearing Plants* 22(2): 504-515. **(Only abstract seen)**.
- Cheng Jing, Wang Kang, Nan Dan-yang, Qian Wen-si, Hu Yan, Chen Wen-jie, Wang Shao-sheng & Sun En-tao 2016. Investigation on mites and insects breeding status of bed mats in college dormitories in Wuhu City. *Zhongguo Xuexichongbing Fangzhi Zazhi* 28(2): 151-155. (In Chinese, with English abstract). **(Only abstract seen)**.
- Cheng Zixin & Yoshizawa, K. 2019. Functional morphology of *Trichadenotecnum* male and female genitalia analyzed using  $\mu$ CT (Insecta: Psocodea: Psocomorpha). *Journal of*

- Morphology* 280: 555-567, 16 figs.
- Chesters, D. 2019. The phylogeny of insects in the data-driven era. *Systematic Entomology*, online December 2019, 12 pp. DOI: 10.1111/syen.12414
- Chiriluiuc, L. A. & Andriescu, I. D. 2016. Species of Psocoptera (Insecta, Psocoptera) associated with the plant *Tanacetum vulgare* (L.) (Asterales, Asteraceae) in the North-East of Romania. *Analele Stiintifice ale Universitatii "Alexandru Ioan Cuza" din Iasi Sectiunea Biologie Animala* 62: 13-21, 5 figs.
- Choufani, J. 2010. Etude d'un nouveau genre et espèce d'Amphientomidae de l'ambre du Crétacé Inférieur du Liban. *Mémoire de Master 2 professionnel (Gestion et Conservation des Ressources Naturelles), Faculté des Sciences II, Université Libanaise, Fanar*, viii+58 pp. (Unpublished; for published version see Choufani, Azar & Nel, 2011).
- Choufani, J., Azar, D. & Nel, A. 2011. The oldest amphientomete booklouse [sic!] from Lower Cretaceous amber of Lebanon (Psocodea: Troctomorpha). *Insects Systematics & Evolution* 42: 149-159, 8 figs.
- Clemmons, E. A. & Taylor, D. K. 2016. Booklice (*Liposcelis* spp.), grain mites (*Acarus siro*) and flour beetles (*Tribolium* spp.): 'Other pests' occasionally found in laboratory animal facilities. *Journal of the Association for Laboratory Animal Science* 55(6): 737-743. **(Only abstract seen)**.
- Cockx, P., Xing, L., Tappert, R., Muehlenbachs, K. & McKellar, R. C. 2019. Upper Cretaceous dinosaur bonebed amber: western Canadian deposits (p. 29). In: Nascimbene, P. C. (ed.). 8th International Conference on Fossil Insects, Arthropods & Amber. Santo Domingo 2019. Abstracts Book, 137 pp. *Amber World Museum & International Paleontological Society*.
- Cockx, P., McKellar, R., Tappert, R., Vavrek, M. & Muehlenbachs, K. 2020. Bonebed amber as a new source of paleontological data: The case of the Pipestone Creek deposit (Upper Cretaceous), Alberta, Canada. *Gondwana Research* 81: 378-389. (Psoc.: pp. 382-383).
- Collins, C. T. 2015. Food habits and resource partitioning in a guild of Neotropical swifts. *Wilson Journal of Ornithology* 127(2): 239-248. **(Only abstract seen)**.
- Collins, C. T. & Hespenheide, H. A. 2016. Diet of the Pygmy Palm-Swift (*Tachornis furcata*). *Ornitologia Neotropical* 27: 63-66. **(Only abstract seen)**.
- Coots, C., Lambdin, P., Grant, J., Rhea, R. & Mockford, E. 2012a. Psocopteran species associated with eastern hemlock in the southern Appalachians. *Florida Entomologist* 95(1): 224-227.
- Coots, C., Lambdin, P., Grant, J., Rhea, R. & Mockford, E. 2012b. Vertical stratification and co-occurrence patterns of the Psocoptera community associated with eastern hemlock, *Tsuga canadensis* (L.) Carrière, in the southern Appalachians. *Forests* 2012(3): 127-136, 3 figs.
- Coram, R. A. & Jepson, J. E. 2012. Fossil insects of the Purbeck Limestone Group of Southern England: Palaeoentomology from the dawn of the Cretaceous. *Siri Scientific Press, Monograph Series Volume 3*, 143 pp. (Psoc.: p. 41).
- Cordova Ballona, L., Sanchez Soto, S., Garcia Lopez, E. & Ortiz Garcia, C. F. 2011. Insectos asociados a alimentos vegetales deteriorables en tiendas de autoservicio, en Tabasco, Mexico. *Boletín del Museo de Entomología de la Universidad del Valle* 12(1): 25-32.
- Cui Jixiang, Su Yun, Li Hu & Li Zhihong 2019. First record of *Liposcelis entomophila* (Enderlein) (Psocodea: Liposcelididae) from Sri Lanka based on morphological and molecular data. *Zoological Systematics* 44(4): 304-315.
- Cui Jixiang, Su Yun, Feng Shiqian, Wei Peng, Liu Xingyue & Li Zhihong 2020. Morphological and molecular identification of *Liposcelis corrodens* (Heymons, 1909) (Psocodea: Liposcelididae) as the first record from China. *Journal of Stored Products Research* 87, article 101588.
- Czekanski-Moir, J. E. & Rundell, R. J. 2020. Endless forms most stupid, icky, and small: The preponderance of noncharismatic invertebrates as integral to a biologically sound view of life. *Ecology and Evolution* DOI: 10.1002/ece3.6892 (12 pp. ).
- Dallai, R., Gottardo, M. & Beutel, R. G. 2016. Structure and evolution of insect sperm: new interpretations in the age of phylogenomics. *Annual Review of Entomology* 61: 1-23, 3 figs. (Psoc.: p. 10).
- Deharveng, L. & Bedos, A. 2018. Diversity of terrestrial invertebrates in subterranean habitats. In: Moldovan, O. T. et al. (eds). Cave Ecology, Chapter 7. *Ecological Studies* 235: 107-172.

- (Psoc.: pp. 143-144).
- De Kerdrel, G. A., Andersen, J. C., Kennedy, S. R., Gillespie, R. & Krehenwinkel, H. 2020. Rapid and cost-effective generation of single specimen multilocus barcoding data from whole arthropod communities by multiple levels of multiplexing. *Scientific Reports* 10, article number 78.
- Delclos, X., Penalver, E., Barron, E., Arillo, A., Azar, D., Dal Corso, J., Kania, I., Kvaček, J., Labandeira, C., Nel, A., Menor-Salvan, C., Peris, D., Perrichot, V., Sanchez-Garcia, A., Sarto i Monteys, V., Solorzano Kraemer, M. M. & Perez-de la Fuente, R. 2019. Early Cretaceous Spanish amber reveals an important ancient “hotspot” of biodiversity in an insular context (pp. 107-108). *In*: Nascimbene, P. C. (ed.). 8th International Conference on Fossil Insects, Arthropods & Amber. Santo Domingo 2019. Abstracts Book, 137 pp. *Amber World Museum & International Paleontological Society*.
- de Moya, R. S., Yoshizawa, K., Walden, K. K. O., Sweet, A. D., Dietrich, C. H. & Johnson, K. P. 2020. Phylogenomics of parasitic and non-parasitic lice (Insecta: Psocodea): combining sequence data and exploring compositional bias solutions in next generation datasets. *Systematic Biology*, syaa075, published online 26 September 2020.
- Dennis, D. S. 2014. Ethology of *Holopogon phaeonotus* Loew, 1874 (Diptera: Asilidae) in Northeastern Florida, USA. *Journal of the Entomological Research Society* 16: 141-158. **(Only abstract seen)**.
- Dennis, D. S. 2018. Ethology of *Holopogon snowi* Back, 1909 (Diptera: Asilidae) in Northeastern Florida, USA. *Journal of the Entomological Research Society* 20(1): 95-112. **(Only abstract seen)**.
- Denton, J. 2011. Notes on the ecology of *Valenzuela atricornis* (McLachlan) (Psoc.: Caeciliusidae) in England. *British Journal of Entomology and Natural History* 24(4): 210.
- Devetak, D., Omerzu, M. & Clopton, R. E. 2013. Notes on the gregarines (Protozoa: Apicomplexa: Eugregarinorida) of insects in Slovenia. *Annales Series Historia Naturalis (Koper)* 23(1): 73-89. **(Only abstract seen)**.
- De Wilde, A. 2011. Foto omslag (cover photograph): *Dorypteryx longipennis* (Psocoptera). *Entomologische Berichten* 71(2): cover.
- Diaz-Montano J., Campbell, J. F., Phillips, T. W. & Throne, J. E. 2014. Evaluation of potential attractants for *Liposcelis bostrychophila* (Psocoptera: Liposcelididae). *Journal of Economic Entomology* 107(2): 867-874. **(Only abstract seen)**.
- Diaz-Montano, J., Campbell, J. F., Phillips, T. W. & Throne, J. E. 2015. Evaluation of potential attractants for six species of stored-product psocids (Psocoptera: Liposcelididae, Trogiidae). *Journal of Economic Entomology* 108(3): 1398-1407. **(Only abstract seen)**.
- Diaz-Montano, J., Campbell, J. F., Phillips, T. W., Cohnstaedt, L. W. & Throne, J. E. 2016. Evaluation of light attraction for the stored-product psocid, *Liposcelis bostrychophila*. *Journal of Pest Science* 89(4): 923-930. **(Only abstract seen)**.
- Diaz-Montano, J., Campbell, J. F., Phillips, T. W. & Throne, J. E. 2018. Evaluation of light attraction for the stored-product psocids, *Liposcelis entomophila*, *Liposcelis paeta*, and *Liposcelis brunnea*. *Journal of Economic Entomology* 111(3): 1476-1480. **(Only abstract seen)**.
- Dickey, A. M., Kumar, V., Morgan, J. K., Jara-Cavieres, A., Shatters, R. G., McKenzie, C. L. & Osborne, L. S. 2015. A novel mitochondrial genome architecture in thrips (Insecta: Thysanoptera): extreme size asymmetry among chromosomes and possible recent control region duplication. *BMC Genomics* 16(439). DOI: 10.1186/s12864-015-1672-4. **(Only abstract seen)**.
- Di Iorio, O. & Turienzo, P. 2011. A preliminary bibliographic survey of the insects found in poultry houses from the Neotropical Region, with remarks on selected taxa shared with native birds' nests. *Zootaxa* 2858: 1-60. **(Only abstract seen)**.
- Dominguez Umpierrez, J. E. & Marrero Artabe, L. 2010. Catalogo de la entomofauna asociada a almacenes de alimentos en la provincia de Matanzas. *Fitosanidad* 14(2): 75-82. **(Only abstract seen)**.

- Dou Wei, Tang Pei-An, Jiang Hong-Bo & Wang Jin-Jun 2010. Gene cloning of AChE and phylogenetic analysis in *Liposcelis decolor*. *Huanjing Kunchong Xuebao* 32(4): 460-468. **(Not seen)**.
- Dou Wei, Shen Guang-Mao, Niu Jin-Zhi, Ding Tian-Bo, Wei Dan-Dan & Wang Jin-Jun 2013. Mining genes involved in insecticide resistance of *Liposcelis bostrychophila* Badonnel by transcriptome and expression profile analysis. *PLoS One* 8(11). DOI: 10.1371/journal.pone.0079878. **(Only abstract seen)**.
- Dou Wei, Wu Jing-Jing, Chen Shi-Chun, Wei Dan-Dan & Wang Jin-Jun 2015. Effects of ethacrynic acid addition to diet on fitness and development in the psocid *Liposcelis bostrychophila* Badonnel. *Environmental Entomology* 2015: 1-6, 1 fig.
- El-Hawagry, M. S., Khalil, M. W., Sharaf, M. R., Fadl, H. H. & Aldawood, A. S. 2013. A preliminary study on the insect fauna of Al-Baha Province, Saudi Arabia, with descriptions of two new species. *ZooKeys* 274: 1-88. (Psoc.: p. 14).
- Endshaw, W. & Hiruy, B. 2020. The distribution, frequency of occurrence, and the status of stored faba bean insect pests in relation to food security in Farta District, North West Ethiopia. *Cogent Food & Agriculture* 6(1), article number 1832400. **(Only abstract seen)**.
- Engel, M. S. 2016. A new species of the booklouse genus *Embidopsocus* in Baltic amber (Psocoptera: Liposcelididae). *Novitates Paleoentomologicae* 16: 1-9, 5 figs.
- Entomological Society of Queensland 2012. Courtenay Neville Smithers, 29 August 1925 – 12 May 2011. Courtenay Smithers Memorial Issue. [Frontispiece and Preface]. *Australian Entomologist* 39(4): 209-210.
- Erwin, T. L. & Henry, S. C. 2017. *Hyboptera* Chaudoir, 1872 of the Cryptobatida group of subtribe Agrina: A taxonomic revision with notes on their ways of life (Insecta, Coleoptera, Carabidae, Lebiini). *ZooKeys* 714: 61-127. **(Only abstract seen)**.
- FaEu Bureau 2004. Psocoptera. In: Fauna Europaea. Online: <http://www.faunaeur.org/>
- Faucheux, M. J. 2009. Sensilles auricilliformes sur les palpes maxillaires du Pou des livres, *Liposcelis divinatorius* Mueller (Psocoptera: Liposcelidae). *Bulletin de la Société des Sciences Naturelles de l'Ouest de la France* 31(4): 191. **(Not seen)**.
- Feng Shiqian, Yang Qianqian, Li Hu, Song Fan, Stejskal, V., Opit, G. P., Cai Wanzhi, Li Zhihong & Shao Renfu 2018a. The highly divergent mitochondrial genomes indicate that the booklouse, *Liposcelis bostrychophila* (Psocoptera: Liposcelidae) is a cryptic species. *G3: Genes, Genomes, Genetics* 8: 1039-1047, 4 figs.
- Feng Shiqian, Stejskal, V., Wang Yannan & Li Zhihong 2018b. The mitochondrial genomes of the barklice, *Lepinotus reticulatus* and *Dorypteryx domestica* (Psocodea: Trogiomorpha): Insight into phylogeny of the order Psocodea. *International Journal of Biological Macromolecules* 116: 247-254, 4 figs.
- Feng Shiqian, Yang Qianqian, Li Hu, Song Fan, Stejskal, V., Opit, G. P., Cai Wanzhi, Li Zhihong & Shao Renfu 2018c. Mitochondrial genome organization varies among different groups of the booklouse, *Liposcelis bostrychophila*. *12th International Working Conference on Stored Product Protection (IWCSPP) in Berlin, Germany, October 7-11, 2018. Julius-Kühn-Archiv* 463: 1127-1130.
- Feng Shiqian, Li Hu, Song Fan, Wang Yannan, Stejskal, V., Cai Wanzhi & Li Zhihong 2019. A novel mitochondrial genome fragmentation pattern in *Liposcelis brunnea*, the type species of the genus *Liposcelis* (Psocodea: Liposcelidae). *International Journal of Biological Macromolecules* 132: 1296-1303.
- Feng Yi-Xi, Wang Yang, Geng Zhu-Feng, Zhang Di, Almaz, B. & Du Shu-Shan 2020. Contact toxicity and repellent efficacy of Valerianaceae spp. to three stored-product insects and synergistic interactions between two major compounds camphene and bornyl acetate. *Ecotoxicology and Environmental Safety* 190, article number 110106. **(Only abstract seen)**.
- Ferreira, R. L., Costa Cardoso, R. & Souza Silva, M. 2016. Composição, riqueza e diversidade de invertebrados em cavernas de Dianópolis (TO). *Revista Brasileira de Espeleologia* 2 (7): 1-18.
- Fizialetti, G., Ventura, A., Fidomanzo, M. & Filippucci, M. G. 2017. Entomological and thermohygrometric monitoring at the Angelica Library in Rome (Italy). *Restaurator* 38(2): 153-179.

- Floren, A. 2008. Abundance and ordinal composition of arboreal arthropod communities of various trees in old primary and managed forests (pp. 279-298). In: Floren, A. & Schmidl, J. (eds). *Canopy Arthropod Research in Europe. Bioform entomology, Nuremberg, Germany*, 576 pp.
- Fonseca Valbuza, M. da, Garcia Aldrete, A. N., Potenza, M. R. & Carvalho Campos, A. E. de 2018. Psocoptera (Psocodea) in spice and medicinal dehydrated plants sold in bulk in a big metropolis in Brazil. *Journal of Food Protection* 81(11): 1810-1814. [For this author see also under Valbuza, M. F.].
- Footitt, R. G. & Adler, P. H. (eds) 2009. *Insect biodiversity: science and society. Wiley-Blackwell, Oxford*, xxi + 632 pp., 8 plates. (Psoc.: pp. 3, 38, 58, 59, 110, 484).
- Franken, O. & Berg, M. P. 2016. Entomofauna in de gemeente Ede. Verslag van de 170e NEV-Zomerbijeenkomst. *Entomologische Berichten* 76(5): 174-195. (Psoc., det. C. Gielis: p. 179).
- Franklin-Hall, L. R. 2020. The animal sexes as historical explanatory kinds (pp. 177-197). In: Dasgupta, S., Dotan, R. & Weslake, B. (eds). *Current Controversies in Philosophy of Sciences*. Routledge.
- Franks, N. 2019. Dr Edward Broadhead. Obituary. *University of Leeds: Secretariat*. Published online 23 January 2019.
- Friedemann, K., Spangenberg, R., Yoshizawa, K. & Beutel, R. G. 2014. Evolution of attachment structures in the highly diverse Acercaria (Hexapoda). *Cladistics* 30: 170-201.
- Gallant-Swofford, J., Zuraw, B. L., Herschbach, J., Mahata, M., Mockford, E. L. & Christiansen, S. C. 2020. What is in your pantry? Entomologic anaphylaxis. *Allergy and Asthma Proceedings* 41(4): 290-295. **(Only abstract seen)**.
- Gamble, B. B. & Boyd, E. A. 2018. New records of Psocoptera (Troctomorpha, Psocomorpha) in California (U.S.A.) almond and pistachio orchards. *Pan-Pacific Entomologist* 94(3): 105-116.
- Garcia Aldrete, A. N. 2011a. A new species of *Lachesilla* (Psocodea: 'Psocoptera': Lachesillidae) from Dominica, representing a new species group. *Revista Mexicana de Biodiversidad* 82: 481-484, 4 figs.
- Garcia Aldrete, A. N. 2011b. The *Lachesilla asperiforceps* species complex of the *L. forcepeta* species group (Psocodea: 'Psocoptera': Lachesillidae). *Revista Mexicana de Biodiversidad* 82: 825-835, 35 figs.
- Garcia Aldrete, A. N. 2011c. Psocoptera (Insecta) de Chiapas (pp. 315-343). In: Alvarez, F. (ed.). *Chiapas: estudios sobre su diversidad biologica. Universidad Nacional Autonoma de Mexico, Mexico*, 518 pp.
- Garcia Aldrete, A. N. 2011d. Psocidos (Insecta: Psocoptera) (pp. 319-325 and checklist of species in Appendix VIII.23, 9 pp.). In: Cruz Angon, A. (ed.). *La biodiversidad en Veracruz: Estudio de estado. Vol. 2. Diversidad de especies: Conocimiento actual. Gobierno del Estado de Veracruz, Universidad Veracruzana, Instituto de Ecologia, A. C. Mexico*.
- Garcia Aldrete, A. N. 2012a. Two new species of *Triplocania* from Veracruz, Mexico (Psocodea: 'Psocoptera': Ptiloneuridae). *Dugesiana* 18(2): 169-173, 14 figs
- Garcia Aldrete, A. N. 2012b. A new genus of Lachesillidae (Psocoptera) from the Peruvian Amazonia. *Zootaxa* 3303: 65-68, 4 figs.
- Garcia Aldrete, A. N. 2012c. A new genus of Epipsocidae (Psocodea: 'Psocoptera'), from Valle del Cauca, Colombia, and a re-appraisal of *Goja Navas*, 1927. *Caldasia* 34(1): 247-256, 21 figs.
- Garcia Aldrete, A. N. 2013. Biodiversidad de Psocoptera (Insecta: Psocodea) en Mexico. *Revista Mexicana de Biodiversidad* 84: 5 pp., 6 figs (online version). DOI: 10.7550/rmb.34417. Printed version: *Revista Mexicana de Biodiversidad* 85, Supplement 1: 252-256, 6 figs (January 2014).
- Garcia Aldrete, A. N. 2014a. A new species of *Lachesilla* in the *pedicularia* group and new records of Psocoptera (Insecta: Psocodea) from Paraguay. *Revista Mexicana de Biodiversidad* 85: 736-740, 5 figs.
- Garcia Aldrete, A. N. 2014b. A pair of new sister species of *Lachesilla* in species group *Corona* (Psocodea: 'Psocoptera': Lachesillidae), from Mexico. *Dugesiana* 21(2): 95-98, 9 figs.

- Garcia Aldrete, A. N. 2014b. A pair of new sister species of *Lachesilla* in species group *Corona* (Psocodea: 'Psocoptera': Lachesillidae), from Mexico. *Dugesiana* 21(2): 151-154, 9 figs. NOTE: This is the printed version, with different pagination, of Garcia Aldrete, 2014b mentioned in Part 14 of the Additions to the World Catalogue (see Psocid News No. 17: p. 14).
- Garcia Aldrete, A. N. 2014c. A new *Lachesilla* from Chiapas, Mexico, representing a new species group (Psocodea: 'Psocoptera': Lachesillidae). *Dugesiana* 21(1): 33-35, 5 figs.
- Garcia Aldrete, A. N. 2015a. Lachesillidae (Psocodea: 'Psocoptera': Psocomorpha) from Rancho Santa Helena, Huasca de Ocampo, Hidalgo, Mexico, with description of a *Lachesilla* in species group *Corona*. *Boletín del Museo de Entomología de la Universidad del Valle* 16(1): 8-16, 11 figs.
- Garcia Aldrete, A. N. 2015b. Five new species of Mexican *Lachesilla* (Psocodea: Psocomorpha: Lachesillidae), in species group *corona*. *Dugesiana* 22(2): 153-162, 19 figs.
- Garcia Aldrete, A. N. 2016. A new *Lachesilla* species, in species group *Texcocana*, endemic to the Sierra Juárez, Oaxaca, Mexico (Psocodea: 'Psocoptera': Psocomorpha: Lachesillidae). *Dugesiana* 23(2): 117-119, 6 figs.
- Garcia Aldrete, A. N. 2017a. A new monotypic genus of Epipsocidae (Psocodea: 'Psocoptera': Psocomorpha) from Cusco, Peru. *Dugesiana* 24(2): 121-123, 6 figs.
- Garcia Aldrete, A. N. 2017b. New species of *Lachesilla* (Psocodea: Psocomorpha: Lachesillidae), in species group *Corona*, from Guerrero and Chiapas, Mexico. *Dugesiana* 24(2): 171-176, 14 figs.
- Garcia Aldrete, A. N. 2017c. A new *Lachesilla* from the Bolivian Chiquitania, in species group *Riegeli* (Psocodea: Psocomorpha: Lachesillidae). *Acta Zoologica Mexicana (Nueva Serie)* 33(2): 355-358, 4 figs.
- Garcia Aldrete, A. N. 2017d. New species of *Lachesilla* (Psocodea: Psocomorpha: Lachesillidae), in species group *corona*, from southern Mexico and Central America. *Zootaxa* 4347(2): 201-227, 71 figs.
- Garcia Aldrete, A. N. 2017e. A new species of *Ianthorntonia* Garcia Aldrete, from Bolivia, and description of the female *Ianthorntonia marshalli* Garcia Aldrete (Psocodea: Psocomorpha: Epipsocetae: Epipsocidae). *EntomoBrasilis* 10(2): 123-126, 11 figs.
- Garcia Aldrete, A. N. 2018. Two new species of *Epipsocus* Hagen, with forewing vein M3 forked (Psocodea: Psocomorpha: Epipsocidae). *Dugesiana* 26(1) (2019): 35-40, 19 figs. First published online 26 November 2018.
- Garcia Aldrete, A. N. & Casasola Gonzalez, J. A. 2012. New species of *Triplocania* and *Lachesilla* from Sierra Juárez, Oaxaca, Mexico (Psocodea: 'Psocoptera': Ptiloneuridae, Lachesillidae). *Dugesiana* 19(2): 135-141, 26 figs.
- Garcia Aldrete, A. N. & Mockford, E. L. 2010. Three new species of *Lachesilla* in the group *andra*, from Mexico, Guatemala and Peru (Psocodea: 'Psocoptera': Lachesillidae). *Dugesiana* 17(2): 187-191, 17 figs.
- Garcia Aldrete, A. N. & Mockford, E. L. 2011a. A new species of *Waoraniella* (Psocodea: 'Psocoptera': Lachesillidae: Eolachesillinae) from the Reserva Florestal Ducke, Amazonas, Brazil. *Acta Zoologica Mexicana (n. s.)* 27(1): 123-127, 5 figs.
- Garcia Aldrete, A. N. & Mockford, E. L. 2011b. A new species of *Hemicaecilius* Enderlein based on a male from Cuzco, Peru (Psocodea: 'Psocoptera': Lachesillidae). *Acta Zoologica Mexicana (n. s.)* 27(2): 419-423, 5 figs.
- Garcia Aldrete, A. N. & Mockford, E. L. 2011c. *Amazolachesilla*, a new genus of Eolachesillinae (Insecta: Psocodea: 'Psocoptera': Lachesillidae) from Amazonas, Brazil. *Acta Amazonica* 41(4): 553-556, 5 figs.
- Garcia Aldrete, A. N. & Mockford, E. L. 2011d. The male *Lachesilla sulcata* Garcia Aldrete 1986 and a reappraisal of species group *patzunensis* (Psocodea: 'Psocoptera': Lachesillidae). *Proceedings of the Entomological Society of Washington* 113(4): 417-425, 24 figs.
- Garcia Aldrete, A. N. & Mockford, E. L. 2012. Capítulo 30. Psocoptera (pp. 423-437, 55 figs). In: Rafael, J. A., Melo, G. A. R., de Carvalho, C. J. B., Casari, S. A. & Constantino, R. (eds). Insetos do Brasil. Diversidade e Taxonomia. *Holos, Editora. Riberão Preto, Brasil*. xiv + 796 pp. (Note: the PDF distributed by the authors has the following pagination: pp. 548-565).

- Garcia Aldrete, A. N. & Roman-P., C. 2015. A new Neotropical genus of Blastini (Psocodea: 'Psocoptera': Psocidae: Amphigrontiinae). *Zootaxa* 4000(3): 392-396, 6 figs.
- Garcia Aldrete, A. N. & Silva Neto, A. M. da 2013. Two new species of *Lachesilla* in the *andra* group, from the Chapada Diamantina, Bahia, Brazil (Psocodea: 'Psocoptera': Lachesillidae). *Zootaxa* 3736(4): 392-996, 10 figs.
- Garcia Aldrete, A. N. & Silva Neto, A. M. da 2014. Two new species of *Lachesilla* in species groups *riegeli* and *forcepeta* (Psocodea: 'Psocoptera': Lachesillidae), from the state of Bahia, Brazil. *Revista Brasileira de Entomologia* 58(1): 7-10, 10 figs.
- Garcia Aldrete, A. N. & Silva Neto, A. M. da, 2018. A new species of *Lachesilla* (Psocodea: Psocomorpha: Lachesillidae), in species group *Corona*, from Chiapas, Mexico. *Dugesiana* 25(2): 147-149, 4 figs.
- Garcia Aldrete, A. N. & Silva Neto, A. M. da, 2019. A new *Epipsocus* (Psocodea: Psocomorpha: Epipsocidae) from the Brazilian Amazonia, with supernumerary forewing venation. *Iheringia, Serie Zoologia*, vol. 109, e2019038, 5 pp., 9 figs.
- Garcia Aldrete, A. N. & Silva Neto, A. M. da, 2020. New Neotropical species of *Lachesilla* Westwood, in species group *forcepeta* (Psocodea: 'Psocoptera': Lachesillidae). *Zootaxa* 4728(1): 49-62, 48 figs.
- Garcia Aldrete, A. N., Gonzalez Obando, R. & Carrejo, N. S. 2011a. A new *Loneura* from Colombia, and Colombian records of *L. mirandaensis* Garcia Aldrete, and *Loneuroides venezolanus* Garcia Aldrete (Psocodea: 'Psocoptera': Ptiloneuridae). *Dugesiana* 18(1): 35-37, 5 figs.
- Garcia Aldrete, A. N., Gonzalez Obando, R. & Sarria Sarria, F. A. 2011b. Three new species of *Loneura* (Psocodea: 'Psocoptera': Ptiloneuridae) from Gorgona Island, Cauca, Colombia, with a new infrageneric classification. *Zootaxa* 3050: 55-62, 15 figs.
- Garcia Aldrete, A. N., Gonzalez Obando, R. & Carrejo, N. S. 2012a. Four new species of *Hemicaecilius* Enderlein (Lachesillidae: Psocoptera) from Valle del Cauca, Colombia. *Zootaxa* 3455: 49-60, 42 figs.
- Garcia Aldrete, A. N., Mendivil Nieto, J. A. & Gonzalez Obando, R. 2012b. A pair of new sister species of *Loneura* (Psocodea, 'Psocoptera', Ptiloneuridae) from Valle del Cauca, Colombia, representing a new infrageneric group. *ZooKeys* 168: 65-76, 21 figs.
- Garcia Aldrete, A. N., Gonzalez Obando, R. & Carrejo, N. S. 2012c. A new genus of Lachesillidae (Psocoptera: Eolachesillinae: Graphocaeciliini) from Colombia. *Dugesiana* 19(2): 91-97, 17 figs.
- Garcia Aldrete, A. N., Gonzalez Obando, R. & Carrejo, N. S. 2013a. New genera of Lachesillidae (Psocodea: 'Psocoptera': Eolachesillinae: Graphocaeciliini) from Valle del Cauca, Colombia. *Zootaxa* 3647(4): 555-566, 37 figs.
- Garcia Aldrete, A. N., Gonzalez Obando, R. & Carrejo, N. S. 2013b. A new species of *Euplocania* Enderlein (Psocodea: 'Psocoptera': Ptiloneuridae), from Magdalena, Colombia, with a proposed classification of the genus. *Dugesiana* 20(2): 149-156, 27 figs.
- Garcia Aldrete, A. N., Gonzalez Obando, R. & Saldaña, C. 2013c. Two new species of *Lachesilla* of *pedicularia* group (Psocodea: 'Psocoptera'), from Valle del Cauca, Colombia. *Revista Colombiana de Entomologia* 39(2): 55-60, 5 figs.
- Garcia Aldrete, A. N., Gonzalez Obando, R. & Carrejo, N. S., Mendivil, J. A. & Rocio Calderon, N. 2013d. Epipsocetae (Psocodea: 'Psocoptera') from Valle del Cauca and NNP Gorgona, Colombia. *Dugesiana* 20(2): 157-172, 50 figs.
- Garcia Aldrete, A. N., Saenz Manchola O. F. & Gonzalez Obando, R. 2014. *Acantholachesilla* gen. n. (Psocodea: 'Psocoptera': Lachesillidae: Eolachesillinae: Graphocaeciliini) from Valle del Cauca, Colombia. *Zootaxa* 3821(5): 567-574, 15 figs.
- Garcia Aldrete, A. N., Mendivil Nieto, J. A. & Gonzalez Obando, R. 2015. Two new monotypic genera of Epipsocidae (Psocodea: 'Psocoptera': Psocomorpha) from Valle del Cauca, Colombia. *Dugesiana* 22(2): 163-170, 24 figs.
- Garcia Aldrete, A. N., Gonzalez Obando, R. & Carrejo Gironza, N. 2016a. New species of *Loneuroides* Garcia Aldrete (Psocodea: 'Psocoptera': Ptiloneuridae) from Colombia, and description of the male *L. venezolanus* Garcia Aldrete. *Zootaxa* 4093(1): 103-117, 42 figs.

- Garcia Aldrete, A. N., Gonzalez, R., Arenas-Clavijo, A. & Lopes-Ferreira, R. 2016b. Rediscovery of *Antilopsocus nadleri* Gurney, 1965 (Psocodea, Troctomorpha, Pachytroctidae) in South America. *Check List* 12(5): article 1979, 3 pp., 5 figs.
- Garcia Aldrete, A. N., Carrejo, N. S., Mendivil, J., Calderon, N., Saenz, O., Panche, J., Roman, C. & Gonzalez Obando, R. 2018. Checklist of 'Psocoptera' (Psocodea) of Colombia and identification key to the families. *Dugesiana* 25(2): 77-103, 5 figs.
- Garcia Aldrete, A. N., Silva Neto, A. M. da & Ferreira, R. L. 2018b. *Lithoseopsis* Mockford (Psocodea: Troctomorpha: Amphientomidae): a new species and first record for South America. *Zootaxa* 4526(1): 91-95, 7 figs.
- Garcia Aldrete, A. N., Gonzalez Obando, R. & Carrejo Gironza, N. 2020. On the genera *Ptiloneura* Enderlein, *Loneura* Navas, and *Loneuroides* Garcia Aldrete (Psocodea: 'Psocoptera': Ptiloneuridae). *Zootaxa* 4751 (2): 291-309, 74 figs.
- Garcia-Rosales, A., Ramirez-Bautista, A. & Stephenson, B. P. 2019. Comparative morphology and trophic ecology in a population of the polymorphic lizard *Sceloporus minor* (Squamata: Phrynosomatidae) from central Mexico. *PeerJ* 7, article number e8099. **(Only abstract seen)**.
- Garrouste, R., Schubnel, T., Oudard, J., Roques, P. & Nel, A. 2019. The insect Konservat-Lagerstätte of the Upper Carboniferous of Avion (France): an exceptional geoheritage (pp. 42-43). In: Nascimbene, P. C. (ed.). 8th International Conference on Fossil Insects, Arthropods & Amber. Santo Domingo 2019. Abstracts Book, 137 pp. *Amber World Museum & International Paleoentomological Society*.
- Gautam, S. G., Opit, G. P. & Giles, K. L. 2012. Effects of constant temperatures on reproductive parameters of the psocid *Liposcelis rufa* (Psocoptera: Liposcelididae). *Entomology, Ornithology & Herpetology* S1: 002. doi:10.4172/2161-0983.S1-002. 7 pp., 3 figs.
- Gautam, S. G., Opit, G. P., Giles, K. L. & Adam, B. 2013. Weight loss and germination failure caused by psocids in different wheat varieties. *Journal of Economic Entomology* 106(1): 491-498. **(Only abstract seen)**.
- Gautam, S. G., Opit, G. P., Margosan, D., Hoffmann, D., Tebbets, J. S. & Walse, S. 2015. Comparative egg morphology and chorionic ultrastructure of key stored-product insect pests. *Annals of the Entomological Society of America* 108(1): 43-56. **(Only abstract seen)**.
- Gautam, S. G., Opit, G. P. & Shakya, K. 2016. Population growth and development of the psocid *Liposcelis fusciceps* (Psocoptera: Liposcelididae) at constant temperatures and relative humidities. *Environmental Entomology* 45(1): 237-244. **(Only abstract seen)**.
- Georgiev, D. 2016a. First record of *Lepinotus reticulatus* Enderlein, 1904 (Psocoptera: Trogiidae) from Bulgaria. *Ecologica Montenegrina* 9: 54-55, 1 fig.
- Georgiev, D. 2016b. *Psyllipsocus ramburii* Selys-Longchamps, 1872 (Insecta: Psocoptera) from Andaka Cave – first record of the species from Bulgaria. *Historia naturalis bulgarica* 23: 179-181, 2 figs.
- Georgiev, D. G. 2017a. *Liposcelis meridionalis* (Rosen, 1911) (Psocoptera: Liposcelididae) new to the Bulgarian fauna. *Ecologia Balkanica* 9(1): 103-104, 2 figs.
- Georgiev, D. 2017b. New barkfly records from Bulgaria (Insecta: Psocoptera). *Klapalekiana* 53: 7-9, 4 figs.
- Georgiev, D. 2017c. Psocoptera records from the island of Samothraki (N-Aegean, Greece). *Parnassiana Archives* 5: 51-55, 3 figs.
- Georgiev, D. 2017d. Little known and newly recorded species of Psocoptera in Bulgaria. *Ecologica Montenegrina* 11: 74-79, 2 figs.
- Georgiev, D. G. 2017e. Two species of the genus *Liposcelis* Motschulsky, 1852 new to the fauna of Bulgaria found in the building of the Natural History Museum Plovdiv (Insecta: Psocoptera). *Bulletin of the Natural History Museum Plovdiv* 2: 2 pp. 1 fig. (online 21 October 2017).
- Georgiev, D. 2018a. Four species of Psocoptera as new records for Bulgaria. *ZooNotes* 130: 1-2.
- Georgiev, D. G. 2018b. Psocoptera records from the city of Plovdiv. In: Mollov, I., Georgiev, D. & Todorov, O. (eds). Faunistic diversity of the city of Plovdiv (Bulgaria), volume 1: Invertebrates. *Bulletin of the Natural History Museum Plovdiv*, 2018, Supplement 1: 47-48.
- Georgiev, D. 2019. A case study on the barkfly fauna of Vrachansky Balkan Nature Park (Insecta:

- Psocoptera) (pp. 35-38). *In*: Bechev, D. & Georgiev, D. (eds). Faunistic diversity of Vrachansky Balkan Nature Park. Part 2. *ZooNotes*, Supplement 7, Plovdiv University Press, Plovdiv, 190 pp
- Georgiev, D. 2020a. Psocoptera records from North mainland of Greece: a case study. *Parnassiana Archives* 8: 51-54, 1 fig
- Georgiev, D. 2020b. Study of the Psocoptera fauna of Sarnena Gora Mts. *In*: Georgiev, D., Bechev, D. & Yancheva, V. (eds): Fauna of Sarnena Sredna Gora Mts, Part 1. *ZooNotes*, Supplement 9: 86-94, 3 figs.
- Georgiev, D. 2020c. Two species of Psocoptera (Insecta) as new records of the Bulgarian fauna with a country checklist. *Historia Naturalis Bulgarica* 41: 71-75, 1 fig.
- Georgiev, D. & Ivanova, V. 2018a. Study of the Psocoptera fauna of Corfu (Kerkyra) Island, Greece. *Parnassiana Archives* 6: 55-62, 3 figs.
- Georgiev, D. G. & Ivanova, V. I. 2018b. Psocoptera records from caves of Bulgaria. *Bulletin of the Natural History Museum Plovdiv* 3: 2 pp.
- Georgiev, D. & Ivanova, V. 2019a. Psocoptera records from Elafonisos Island, South Peloponnesus, Greece. *Parnassiana Archives* 7: 3-7, 2 figs.
- Georgiev, D. & Ivanova, V. 2019b. On the Psocoptera fauna of Amouliani Island (Chalkidiki, Greece). *Parnassiana Archives* 7: 25-29, 2 figs.
- Georgiev, D. & Ivanova, V. 2019c. First Psocoptera records from Northwest Bulgaria: a case study. *ZooNotes* 147: 1-2.
- Georgiev, D. G. & Todorov, O. B. 2017. Reports of *Caecilius fuscopterus* (Latreille, 1799) and *Lachesilla quercus* (Kolbe, 1880) in Bulgaria with some additional barkfly records (Insecta: Psocoptera). *Bulletin of the Natural History Museum Plovdiv* 2: 2 pp. 1 fig. (online 21 October 2017).
- Georgiev, D. G. & Todorov, O. B. 2018. New information on the Psocoptera fauna of the Bulgarian Black Sea coast. *Bulletin of the Natural History Museum Plovdiv* 3: 27-31, 2 figs.
- Georgiev, D., Ostrovsky, A. & Lienhard, C. 2020. A new species of *Liposcelis* (Insecta: Psocoptera: Liposcelididae) from Belarus. *Ecologica Montenegrina* 29: 41-46, 3 figs.
- Gielis, C., van Nunen, F. & Solleveld, P. 2014. De insectenfauna van enkele vogelnestkasten [The insect fauna of some bird nest boxes]. *Entomologische Berichten* 74(1-2): 81-88, 6 figs. (In Dutch, with English summary).
- Gillespie, J. J., Driscoll, T. P., Verhoeve, V. I., Utsuki, T., Husseneder, C., Chouljenko, V. N., Azad, A. F. & Macaluso, K. R. 2015. Genomic diversification in strains of *Rickettsia felis* isolated from different arthropods. *Genome Biology and Evolution* 7(1): 35-56. **(Only abstract seen)**.
- Gillespie, J. J., Driscoll, T. P., Verhoeve, V. I., Rahman, M.S., Macaluso, K. R. & Azad, A. F. 2018. A tangled web: origins of reproductive parasitism. *Genome Biology and Evolution* 10(9): 2292-2309. **(Only abstract seen)**.
- Godeau, J.-F., Ceryngier, P. & Hemptinne, J.-L. 2019. Niche width and niche specialization in four species of ladybirds (Coleoptera: Coccinellidae) co-occurring in the same habitat. *European Journal of Entomology* 116: 178-186. **(Only abstract seen)**.
- Gol, A., Khandehroo, F., Sadeghi Namaghi, H. & Moravvej, G. H. 2015. First report of *Lachesilla quercus* Kolbe, 1880 (Psocoptera: Psocomorpha: Lachesillidae) from Iran. *Entomofauna* 36(22): 273-281, 8 figs.
- Gol, J. & Holusa, O. 2011. Taxocenoses structure of psocids (Insecta: Psocoptera) in the forest ecosystems in area of the Kralicky Sneznik Mts. *Acta Musei Beskidensis* 3: 71-84. (In Czech). **(Only abstract seen)**.
- Golub, N. V. 2007. Fauna and biotopic preference of Psocoptera of ecosystems close to water of the Khopyorsky State Reserve and the Usman Forest (pp. 66-73). *In*: Golub, V. B., Goncharuk, V. M., Ivanov, V. D., Petrov, P. N., Prokin, A. A. & Silina, A. E. Questions of aquatic entomology of Russia and adjacent lands: Materials of the Third All-Russia Symposium on Amphibiotic and Aquatic Insects. *Publishing and Printing Center of Voronezh State University, Voronezh*, 409 pp.

- Golub, N. V. 2015. The fauna of bark-lice (Psocoptera) of the South Urals. *Entomologicheskoe Obozrenie* 94(3): 608-615. (In Russian, with English summary). (English translation: *Entomological Review, Washington* 95(6): 715-720).
- Golub, N. V. 2016. New records of bark-lice (Psocoptera) for the Karachay-Cherkess Republic (Russia). *Euroasian Entomological Journal* 15(2): 183-187. (In Russian, with English summary).
- Golub, N. V. 2019. The bark-lice (Psocoptera) fauna of the Republic of Armenia. *Euroasian Entomological Journal* 18(3): 196-198, 1 fig. (In Russian, with English abstract).
- Golub, N. V. & Golub, V. B. 2013. First record of *Lachesilla tanaidana* Roesler, 1953 (Psocoptera, Lachesillidae) from East-European forest-steppe. *Euroasian Entomological Journal* 12(4): 336-338, 1 fig. (In Russian, with English abstract).
- Golub, N., Anokhin, B. & Kuznetsova, V. 2019. Comparative FISH mapping of ribosomal DNA clusters and TTAGG telomeric sequences to holokinetic chromosomes of eight species of the insect order Psocoptera. *Comparative Cytogenetics* 13(4): 403-410, 1 fig.
- Gonzalez Obando, R. & Carrejo Gironza, N. 2020. New species of *Loneura* Navas, 1927 (Insecta: Psocodea: 'Psocoptera': Ptiloneuridae) from Peru. *Dugesiana* 27(2): 137-140, 6 figs.
- Gonzalez Obando, R., Garcia Aldrete, A. N. & Carrejo, N. S. 2011a. A new species of *Steleops* Enderlein, and a Colombian record of *S. pulcher* New (Psocodea: 'Psocoptera': Psocidae). *Zootaxa* 2735: 23-27, 17 figs. (=Gonzalez *et al.* 2011a).
- Gonzalez Obando, R., Garcia Aldrete, A. N. & Carrejo, N. S. 2011b. New species of *Steleops* (Psocodea: 'Psocoptera': Psocidae) from Brazil, Colombia, Mexico and Peru. *Zootaxa* 3139: 28-54, 75 figs. (=Gonzalez *et al.* 2011b).
- Gonzalez Obando, R., Saldaña Guzman, C. L. & Garcia Aldrete, A. N. 2013. Lachesillidae (Psocodea: 'Psocoptera') de Valle del Cauca y PNN Gorgona, Colombia. *Boletín del Museo de Entomología de la Universidad del Valle* 14(1): 51-69, 45 figs.
- Gonzalez Obando, R., Garcia Aldrete, A. N. & Carrejo Gironza, N. 2015. New species of *Euplocania* Enderlein (Psocodea: 'Psocoptera': Psocomorpha: Ptiloneuridae) from Colombia. *Zootaxa* 4033(4): 507-528, 74 figs.
- Gonzalez Obando, R., Garcia Aldrete, A. N. & Carrejo, N. 2016. New species of *Cladiopsocus* Roesler (Psocodea: 'Psocoptera': Psocomorpha: Cladiopsocidae) from the Colombian Amazonia. *Zootaxa* 4127(1): 60-80, 81 figs.
- Gonzalez-Obando, R., Carrejo-Gironza, N. & Garcia Aldrete, A. N. 2017a. New species of Colombian *Triplocania* Roesler (Psocodea: 'Psocoptera': Ptiloneuridae). *Zootaxa* 4336(1): 1-113, 374 figs.
- Gonzalez-Obando, R., Garcia Aldrete, A. N. & Carrejo, N. S. 2017b. Five new species of the genus *Euplocania* Enderlein (Psocodea, 'Psocoptera', Psocomorpha, Ptiloneuridae) from Colombia. *ZooKeys* 711: 81-101, 48 figs.
- Gonzalez Obando, R., Garcia Aldrete, A. N. & Carrejo, N. 2018a. New species and records of *Cladiopsocus* Roesler (Psocodea: 'Psocoptera': Psocomorpha: Cladiopsocidae) from Colombia. *Zootaxa* 4378(2): 191-223, 137 figs.
- Gonzalez Obando, R., Garcia Aldrete, A. N. & Carrejo-Gironza, N. & Mendivil, J. 2018b. A new genus of Ptiloneuridae, its position within the family, and descriptions of five species (Psocodea, 'Psocoptera'). *ZooKeys* 780: 11-34, 48 figs.
- Gonzalez Obando, R., Garcia Aldrete, A. N., Carrejo, N. & Panche, J. 2018c. New species of *Euplocania* Enderlein (Psocodea: 'Psocoptera': Psocomorpha), in three species groups, from Colombia and Ecuador. *Zootaxa* 4483(3): 497-522, 73 figs.
- Gonzalez Obando, R., Carrejo Gironza, N., Panche, J. & Garcia Aldrete, A. N. 2020a. An appraisal of the genus *Ptiloneura* Enderlein (Insecta: Psocodea: Psocomorpha: Ptiloneuridae), new species from Colombia and Peru, and a key to the males. *Zootaxa* 4801(3): 401-449, 125 figs.
- Gonzalez Obando, R., Carrejo Gironza, N., Panche, J. & Garcia Aldrete, A. N. 2020b. The genus *Loneura* Navas (Insecta: Psocodea: 'Psocoptera': Ptiloneuridae) in Colombia, description of new species and key for identification. *Zootaxa* 4802(2): 201-249, 143 figs.
- Gonzalez-Obando, R., Sandoval-Arango, S. & Carrejo-Gironza, N. 2020c. *Garcialdretiella*, a new genus of Lachesillidae (Psocodea: 'Psocoptera': Eolachesillinae: Graphocaeciliini) from

- Munchique National Natural Park, Colombia. *Dugesiana* 27(2): 119-124, 8 figs.
- Gottardo, M., Dallai, R., Mercati, D., Hörschemeyer, T. & Beutel, R. G. 2016. The evolution of insect sperm – an unusual character system in a megadiverse group. *Journal of Zoological Systematics and Evolutionary Research* 54(4): 237-256, 7 figs.
- Gouveia, F. B. P., Barbosa, M. L. L. & Barrett, T. V. 2012. Arthropods associated with nests of *Cacicus* sp. and *Psarocolius* sp. (Passerida: Icteridae) in varzea forest near the meeting of the rivers Negro and Solimões (Central Amazonia, Brazil) at high water. *Journal of Natural History* 46: 979-1003. (Psoc.: pp. 986 and 991).
- Green, P. W. C. 2011. Insect-derived compounds affect the behaviour of *Liposcelis bostrychophila*: Effects of combination and structure. *Journal of Stored Products Research* 47: 262-266, 4 figs.
- Green, P. & Farman, D. 2015. Can paper and adhesive alone sustain damaging populations of booklice? *Journal of Conservation and Museum Studies* 13(1), article no.3, 5 pp., DOI: <http://dx.doi.org/10.5334/jcms.1021222>.
- Gunawardene, N. R., Taylor, C. K. & Majer, J. D. 2012. Revisiting the Psocoptera (Insecta) of Barrow Island, Western Australia. *Australian Entomologist* 39(4): 253-260, 6 figs.
- Günther, K. K. & Lienhard, C. 2011. Psocoptera – Staubläuse (pp. 143-155, 9 figs). In: Klausnitzer, B. (ed.). Exkursionsfauna von Deutschland. Vol. 2 (Wirbellose: Insekten). 11., neu bearbeitete und erweiterte Auflage. *Spektrum Akademischer Verlag Heidelberg*, 976 pp.
- Guo Mingxia, Xing Lida, Wang Bo, Zhang Weiwei, Wang Shuo, Shi Aimin & Bai Ming 2017. Psocodea (pp. 294-295). In: A catalogue of Burmite inclusions. *Zoological Systematics* 42(3): 249-379. (Psoc.: 7 spp. mentioned).
- Guo Shan-Shan, You Chun-Xue, Liang Jun-Yu, Zhang Wen-Juan, Yang Kai, Geng Zhu-Feng, Wang Chen-Fang, Du Shu-Shan & Lei Ning 2015. Essential oil of *Amomum maximum* Roxb. and its bioactivities against two stored-product insects. *Journal of Oleo Science* 64(12): 1307-1314. **(Only abstract seen)**.
- Guo Shanshan, Zhang Wenjuan, Liang Junyu, You Chunxue, Geng Zhufeng, Wang Chengfang & Du Shushan 2016. Contact and repellent activities of the essential oil from *Juniperus formosana* against two stored product insects. *Molecules* 21(4), article no. 504. **(Only abstract seen)**.
- Guo Shan-Shan, Zhang Wen-Juan, You Chun-Xue, Liang Jun-Yu, Yang Kai, Geng Zhu-Feng, Du Shu-Shan & Wang Cheng-Fang 2017a. Chemical composition of essential oil extracted from *Laggera pterodonta* and its bioactivities against two stored product insects. *Journal of Food Processing and Preservation* 41(2): article number e12941. **(Only abstract seen)**.
- Guo Shan-Shan, Zhang Wen-Juan, Yang Kai, Liang Jun-Yu, You Chun-Xue, Wang Cheng-Fang, Li Yin-Ping, Geng Zhu-Feng, Deng Zhi-Wei & Du Shu-Shan 2017b. Repellence of the main components from the essential oil of *Glycosmis lucida* Wall. ex Huang against two stored product insects. *Natural Product Research* 31(10): 1201-1204. **(Only abstract seen)**.
- Guo Shan-Shan, Wang Yang, Chen Zhen-Yang, Zhang Zhe, Cao Ju-Qin, Pang Xue, Geng Zhu-Feng & Du Shu-Shan 2018. Essential oils from *Clausena* species in China: santalene sesquiterpenes resource and toxicity against *Liposcelis bostrychophila*. *Journal of Chemistry*, article 7813675. **(Only abstract seen)**.
- Hakim, M., Azar, S., Maksoud, S., Huang Diying & Azar, D. 2017. New polymorphic psyllipsocids from Burmese amber (Psocodea: Psyllipsocidae). *Cretaceous Research* 84 (2018): 389-400, 9 figs. (Available online 28 November 2017).
- Hakim, M., Huang Diying & Azar, D. 2018. First lepidopsocid from the mid Miocene Dominican amber (Psocodea: Trogiomorpha: Lepidopsocidae). *Palaeoentomology* 1(1): 58-64, 4 figs.
- Hakim, M., Huang Diying, Nel, A. & Azar, D. 2019a. Description of the female of *Myopsocus arthuri* Nel, Waller & Poinar, 2006 from Miocene Dominican amber (Psocodea: Psocomorpha: Myopsocidae). *Palaeoentomology* 002 (2): 140-147, 6 figs
- Hakim, M., Azar, D. & Huang Diying 2019b. A unique manicapsocid (Psocodea: Amphientometae) from the mid-Cretaceous Burmese amber. *Cretaceous Research* 107 (2020) 104278, 9 pp., 7 figs, available online 22 October 2019.
- Hakim, M., Huang Diying & Azar, D. 2019c. Psocopterans from the Mid-Miocene Dominican Amber (p. 112-113). In: Nascimbene, P. C. (ed.). 8th International Conference on Fossil

- Insects, Arthropods & Amber. Santo Domingo 2019. Abstracts Book, 137 pp. *Amber World Museum & International Paleontomological Society*.
- Hamilton, P. T., Hodson, C. N., Curtis, C. I. & Perlman, S. J. 2018. Genetics and genomics of an unusual selfish sex ratio distortion in an insect. *Current Biology* 28(23): 3864 etc. **(Only abstract seen)**.
- Hanna, C., Naughton, I., Boser, C. & Holway, D. 2015. Testing the effects of ant invasions on non-ant arthropods with high-resolution taxonomic data. *Ecological Applications* 25 (7): 1841-1850. **(Only abstract seen)**.
- Hassan, M. W., Dou Wei, Chen Li, Jiang Hong-Bo & Wang Jin-Jun 2011. Development, survival, and reproduction of the psocid *Liposcelis yunnaniensis* (Psocoptera: Liposcelididae) at constant temperatures. *Journal of Economic Entomology* 104(4): 1436-1444. **(Only abstract seen)**.
- Hassan, M. W., Dou Wei, Wang Jin-Jun 2013. Humidity dependent population growth of the psocid *Liposcelis yunnaniensis* (Psocoptera: Liposcelididae). *Pakistan Journal of Zoology* 45(2): 317-321. **(Only abstract seen)**.
- Hawes, T. C. & Greenslade, P. 2013. The aerial invertebrate fauna of subantarctic Macquarie Island. *Journal of Biogeography* 40(8): 1501-1511. **(Only abstract seen)**.
- Hayssen, V. 2020. Misconceptions about conception and other fallacies: historical bias in reproductive biology. *Integrative and Comparative Biology*, doi:10.1093/icb/icaa035, 9 pp. (Psoc.: p. 6).
- He Run-Lian, Chen Ya-Mei, Deng Chang-Chun, Yan Wan-Qin, Zhang Jian & Liu Yang 2015. Litter decomposition and soil fauna diversity of two understory plant debris in the alpine timberline ecotone of western Sichuan in a snow cover season. *Yingyong Shengtai Xuebao* 26(3): 723-731. (In Chinese, with English abstract). **(Only abstract seen)**.
- Healy, S. P., Brown, L. D., Hagstrom, M. R., Foil, L. D. & Macaluso, K. R. 2017. Effect of *Rickettsia felis* strain variation on infection, transmission, and fitness in the cat flea (Siphonaptera: Pulicidae). *Journal of Medical Entomology* 54(4): 1037-1043. **(Only abstract seen)**.
- Hodson, C. N. & Perlman, S. J. 2019. Population biology of a selfish sex ratio distorting element in a booklouse (Psocodea: *Liposcelis*). *Journal of Evolutionary Biology* 32(8): 825-832.
- Hodson, C. N., Hamilton, P. T., Dilworth, D., Nelson, C. J., Curtis, C. I. & Perlman, S. J. 2017. Paternal genome elimination in *Liposcelis* booklice (Insecta: Psocodea). *Genetics* 206(2): 1091-1100. **(Only abstract seen)**.
- Hollier, J. & Hollier, A. 2020. The retired taxonomist and the gynosome – the discovery of the female penis. *Antenna* 44 (3): 122-125, 5 figs.
- Hollier, J., Lienhard, C. & Ramel, G. 2011. The Psocoptera of the Wetland Kerkini Nature Reserve, with eight species new for Greece. *Entomologist's Monthly Magazine* 147: 89-91.
- Holusa, O. 2009. First records of *Badonnelia titei* Pearman, 1953 (Psocoptera: Sphaeropsocidae) and *Mesopsocus helveticus* Lienhard, 1977 (Psocoptera: Mesopsocidae) in the Czech Republic. *Silva Gabreta* 15(3): 201-203.
- Holusa, O. 2010. Fauna of psocids (Insecta: Psocoptera) in the selected localities in the surroundings of Lanzhot Village (Dyjsko-moravsky biogeographical region, Czech Republic). *Acta Musei Beskidensis* 2: 89-101. (In Czech, with English summary, p. 98).
- Holusa, O. 2011. Psocid taxocenoses structure and diversity (Insecta: Psocoptera) in the forest ecosystems of the Piceti-fageta s. lat. zone in the western Carpathian Mts. *Acta Universitatis Agriculturae et Silviculturae Mendelianae Brunensis* 59(5): 95-103.
- Holusa, O. 2012a. Structure and diversity of psocid taxocenoses (Insecta: Psocoptera) in the forest ecosystems of the Fageta abietis s. lat. zone in the Western Carpathian Mts. *Acta Universitatis Agriculturae et Silviculturae Mendelianae Brunensis* 60(3): 51-60.
- Holusa, O. 2012b. Taxocenoses of psocids (Insecta: Psocoptera) in the forest ecosystems of Babia Hora Mt. and Pilsko Mt. in the Oravske Beskydy Mts. (Slovakia). *Acta Universitatis Agriculturae et Silviculturae Mendelianae Brunensis* 60(6): 117-127.
- Holusa, O. 2012c. New species of Psocoptera fauna in the Czech Republic – *Trichadenotecnum gallicum* Lienhard, 1986. *Casopis Slezského Muzea Opava* (A) 61: 226-228, 2 figs.
- Holusa, O. 2013. Psocid taxocenoses (Insecta: Psocoptera) in the forest ecosystems of the Querci-

- Fageta s. lat. zone in the Western Carpathian Mts. and Polonic subprovincy. *Acta Universitatis Agriculturae et Silviculturae Mendelianae Brunensis* 61(3): 637-646.
- Holusa, O. & Kucerova, Z. 2010. New records of psocid *Liposcelis palatina* (Psocoptera: Liposcelididae) from Slovakia. *Acta Musei Beskidensis* 2: 195.
- Hosken, D. J., Archer, C. R., House, C. M. & Wedell, N. 2018. Penis evolution across species: divergence and diversity. *Nature Reviews Urology*, 05 November 2018, DOI: 10.1038/s41585-018-0112-z. **(Only Abstract seen)**.
- Huang Di-Ying, Bechly, G., Nel, P., Engel, M. S., Prokop, J., Azar, D., Cai Chen-Yang, van de Kamp, T., Staniczek, A. H., Garrouste, R., Krogmann, L., dos Santos Rolo, T., Baumbach, T., Ohlhoff, R., Shmakov, A. S., Bourgoïn, T. & Nel, A. 2016. New fossil insect order Permopsocida elucidates major radiation and evolution of suction feeding in hemimetabolous insects (Hexapoda: Acercaria). *Scientific Reports* 6: 23004 (10 pp., 5 figs.); Supplementary Information (47 pp., 12 figs).
- Huber, B. A. 2010. Mating positions and the evolution of asymmetric insect genitalia. *Genetica* 138: 19-25.
- Hubert, J., Stejskal, V., Athanassiou, C. G. & Throne, J. E. 2018. Health hazards associated with arthropod infestation of stored products. *Annual Review of Entomology* 63: 553-573.
- Ineichen, S. & Ruckstuhl, M. (eds) 2010. Stadtfauna, 600 Tierarten der Stadt Zürich. *Haupt Verlag, Bern*, 446 pp. (Psoc.: p. 170, 1 fig).
- Ineichen, S., Klausnitzer, B. & Ruckstuhl, M. (eds) 2012. Stadtfauna: 600 Tierarten unserer Städte. *Haupt Verlag, Bern*, 434 pp. (Staubläuse: pp. 156-157, 2 figs).
- Ishibashi, O., Sakuragi, K., Fukutomi, Y., Kawakami, Y., Kamata, Y., Sakurai, M., Nakayama, S., Uchiyama, H., Kobayashi, H., Kojima, H. & Inui, T. 2016. Lip b 1 is a novel allergenic protein isolated from the booklouse, *Liposcelis bostrychophila*. *Allergy*, DOI: 10.1111/all.13091. **(Only abstract seen)**.
- Ishibashi, O., Sakuragi, K., Fukutomi, Y., Kawakami, Y., Kamata, Y., Sakurai, M., Nakayama, S., Uchiyama, H., Kobayashi, H., Kojima, H. & Inui, T. 2017. Lip b 1 is a novel allergenic protein isolated from the booklouse, *Liposcelis bostrychophila*. *Allergy* 72(6): 918-926. **(Only abstract seen)**.
- Ishiwata, K., Sasaki, G., Ogawa, J., Miyata, T. & Su, Z.-H. 2011. Phylogenetic relationships among insect orders based on three nuclear protein-coding gene sequences. *Molecular Phylogenetics and Evolution* 58: 169-180.
- Jarayani, R., Talebi, A. A., Sedaratian, A. & Mockford, E. L. 2014. *Liposcelis paeta* (Psocoptera: Liposcelididae), a new record from Iran. *Journal of the Entomological Society of Iran* 34(1): 95-96.
- Jervis, M. A. 2013. Robert Hook's Micrographia – an entomological cornucopia. *Antenna, Bulletin of the Royal Entomological Society* 37(4): 176-189. (Psoc.: p. 182, Figure 9, some insect sketches made in the early 1660s = excellent facsimile reproduction of the same figure as published by Neri, 2005; this figure shows probably a young nymph of Psocomorpha).
- Jiang Hong-Bo, Shen Guang-Mao, Dou Wei, Tang Pei-An, Liu Yong-Hua, Zhou An-Wei & Wang Jin-Jun 2011. Identification and expression of a beta-actin gene from *Liposcelis bostrychophila* Badonnel (Psocoptera: Liposcelididae). *Agricultural Sciences in China* 10(9): 1391-1401. **(Only abstract seen)**.
- Jiang, H. B., Dou, W., Tang, P. A. & Wang, J. J. 2012. Transcription and induction profiles of three novel P450 genes in *Liposcelis bostrychophila* (Psocoptera: Liposcelididae). *Journal of Economic Entomology* 105(2): 560-572. **(Only abstract seen)**.
- Jiang Xuan-Zhao, Wei Dan-Dan, Yang Wen-Jia, Dou Wei, Chen Shi-Chun & Wang Jin-Jun 2013. Molecular characterization and alternative splicing of a sodium channel and DSC1 ortholog genes in *Liposcelis bostrychophila* Badonnel (Psocoptera: Liposcelididae). *International Journal of Biological Sciences* 9(9): 989-1003. **(Only abstract seen)**.
- Jimenez-Chacon, A., Homet, P., Matias, L., Gomez-Aparicio, L. & Godoy, O. 2018. Fine scale determinants of soil litter fauna on a mediterranean mixed oak forest invaded by the exotic soil-borne pathogen *Phytophthora cinnamomi*. *Forests* 9(4): article 218. **(Only abstract seen)**.

- Jing Tian-Xing, Wu Yu-Xian, Li Ting, Wei Dan-Dan, Smagghe, G. & Wang Jin-Jun 2017. Identification and expression profiles of fifteen delta-class glutathione S-transferase genes from a stored-product pest, *Liposcelis entomophila* (Enderlein) (Psocoptera: Liposcelididae). *Comparative Biochemistry and Physiology B-Biochemistry & Molecular Biology* 206: 35-41. **(Only abstract seen).**
- Johnson, K. P., Walden, K. K. O. & Robertson, H. M. 2013. Next-generation phylogenomics using a target restricted assembly method. *Molecular Phylogenetics and Evolution* 66(1): 417-422.
- Johnson, K. P., Nguyen, N.-P., Sweet, A. D., Boyd, B. M., Warnow, T. & Allen, J. M. 2018a. Simultaneous radiation of bird and mammal lice following the K-Pg boundary. *Biology Letters* 14: 20180141 (4 pp., 1 fig.).
- Johnson, K. P., Dietrich, C. H., Friedrich, F., Beutel, R. G., Wipfler, B., Peters, R. S., Allen, J. M., Petersen, M., Donath, A., Walden, K. K. O., Kozlov, A. M., Podsiadlowski, L., Mayer, C., Meusemann, K., Vasilikopoulos, A., Waterhouse, R. M., Cameron, S. L., Weirauch, C., Swanson, D. R., Percy, D. M., Hardy, N. B., Terry, I., Liu Shanlin, Zhou Xin, Misof, B., Robertson, H. M. & Yoshizawa, K. 2018b. Phylogenomics and the evolution of hemipteroid insects. *Proceedings of the National Academy of Sciences* 115(50): 12775-12780 (Dec. 2018); online November 2018. DOI: 10.1073/pnas.1815820115.
- Kahrarian, M. 2017. New records of Psocoptera (Psocodea: Insecta) in Iran. *Natura Somogyiensis* 30: 35-38.
- Kahrarian, M. 2018. New report of two species and one genera [sic!] of Psocoptera (Psocodea: Insecta) from Iran. *Entomofauna* 39(1): 73-81, 1 fig.
- Kamimura, Y. & Yoshizawa, K. 2017. Sex role reversal (4 pp., 1 fig.). In: Vonk, J. & Shackelford, T. K. (eds). Encyclopedia of animal cognition and behavior. *Springer International Publishing*. Online publication, September 2017, [https://doi.org/10.1007/978-3-319-47829-6\\_2012-1](https://doi.org/10.1007/978-3-319-47829-6_2012-1)
- Kamimura, Y., Abe, J., Ferreira, R. L. & Yoshizawa, K. 2018. Microsatellite markers developed using a next-generation sequencing technique for *Neotroglia* spp. (Psocodea: Prionoglarididae), cave dwelling insects with sex-reversed genitalia. *Entomological Science* 22(1): 48-55 (2019). First published online in November 2018. 10.1111/ens.12339.
- Kanervo, J. 2010. Suomen jäytiäiset / The Psocoptera of Finland. Online: <http://www.sci.utu.fi/projects/biologia/elainmuseo/hemi/psoc/psocmaps.htm>
- Kanervo, J. 2011. Suomelle uusi kirjatäilaji *Liposcelis palatina* Roesler ja muita mielenkiintoisia havaintoja jäytiäisistä (Psocoptera). [*Liposcelis palatina*, a new psocid to Finland and other interesting notes of Psocoptera]. *Sahlbergia* 17.2: 42-45, 4 figs. (In Finnish, with English summary).
- Kanervo, J. & Kozlov, M. V. 2014. Diversity and abundance of arboreal psocids (Psocoptera) along latitudinal gradients in northern Europe. *European Journal of Entomology* 111(1): 51-58, 3 figs.
- Kanervo, J. & Söderman, G. 2010. Jäytiäiset / Psocoptera (pp. 423-425). In: Rassi, P., Hyvärinen, E., Juslen, A. & Mannerkoski, I. The 2010 Red List of Finnish Species. *Ministry of the Environment and Finnish Environment Institute, Helsinki*, 685 pp.
- Kavallieratos, N. G., Athanassiou, C. G., Hatzikonstantinou, A. N. & Kavallieratou, H. N. 2011. Abiotic and biotic factors affect efficacy of chlorfenapyr for control of stored-product insect pests. *Journal of Food Protection* 74(8): 1288-1299. **(Only abstract seen).**
- Keller, S. 2011. *Pandora psocopterae*, a new species of insect-pathogenic Entomophthoraceae (Fungi, Entomophthoromycetes) from France. *Mitteilungen der Schweizerischen Entomologischen Gesellschaft* 84: 181-183, 3 figs.
- Kent, C. M., Peele, A. M. & Sherry, T. W. 2019. Comparing four simple, inexpensive methods for sampling forest arthropod communities. *Journal of Field Ornithology* 90(1): 57-69. **(Only abstract seen).**
- Khandehroo, F., Moravvej, G., Sadeghi, H. & Fekrat, L. 2014. A new species of the family Mesopsocidae (Insecta: Psocoptera) on ash trees from Iran. *Journal of the Entomological Society of Iran* 34: 69-70.

- Khandehroo, F., Moravvej, G., Sadeghi, H. & Fekrat, L. 2015. First record of *Lepinotus reticulatus* and *Ectopsocus vishnyakovae* (Insecta: Psocoptera) from Iran. *Journal of Entomological Society of Iran* 35(1): 73-74.
- Kido, M. & Yoshizawa, K. 2019. A taxonomic review of the genus *Metylophorus* Pearman (Psocodea: Psocidae) in Japan, with description of three new species. *Insecta matsumurana*, New Series 75: 19-28, 4 figs.
- Kjer, K. M., Simon, C., Yavorskaya, M. & Beutel, R. G. 2016. Progress, pitfalls and parallel universes: a history of insect phylogenetics. *Journal of the Royal Society Interface* 13: 20160363 (29 pp., 5 figs).
- Kluge, N. J. 2019. Cladoendesis of Parametabola and systematic position of the extinct taxon Tetrastigmoptera taxon nov. *Entomological Review* 99(3): 362-383, 10 figs. [First published in Russian in *Entomologicheskoe Obozrenie*, 2019, 98(2): 398-427].
- Knuff, A. K., Winiger, N., Klein, E.-M., Segelbacher, G & Staab, M. 2019. Optimizing sampling of flying insects using a modified window trap. *Methods in Ecology and Evolution* 2019; 10: 1820-1825.
- Koh Chao-Nien, Chang Ching, Juang Ling-Mu, Lu Yung-Jen & Hwang Wenbe 2019. Avian and bat predators reduce pest abundances in a subtropical plantation. *Taiwan Journal of Forest Science* 34(1): 43-54. **(Only abstract seen)**.
- Krueger, T., Cross, A. T. & Fleischmann, A. 2020. Size matters: trap size primarily determines prey spectra differences among sympatric species of carnivorous sundews. *Ecosphere* 11(7), article number e03179, DOI: 10.1002/ecs2.3179.
- Kucerova, Z. & Kalinovic, I. 2010. First record of *Embidopsocus enderleini* (Ribaga, 1905) (Psocoptera: Liposcelididae) for Croatia. *Entomologia Croatica* 14: 135-137, 2 figs.
- Kucerova, Z., Li Zhi-Hong, Meng Qin & Stejskal, V. 2011. *Liposcelis bostrychophila* (Psocoptera: Liposcelididae) – a comparison of morphological and molecular identification. *Integrated Protection of Stored Products IOBC/wprs Bulletin* 69: 93-100, 4 figs.
- Kucerova, Z., Li Zhi-Hong, Kalinovic, I., Yang Qian-Qian, Hromadkova, J. & Lienhard, C. 2012. The external morphology of females, males and eggs of a *Liposcelis silvarum* (Insecta: Psocodea: Liposcelididae) strain with unusually developed compound eyes, visualised with scanning electron microscopy. *Italian Journal of Zoology* 79(3): 402-409, 5 figs.
- Kucerova, Z., Wakil, W., Yasin, M., Yang Qianqian, Li Zhi-Hong, Hromadkova, J., Kalinovic, I., Opit, G. & Lienhard, C. 2014. Morphological and molecular characterization of a Pakistan strain of the stored-product pest *Liposcelis paeta* (Insecta: Psocodea: Liposcelididae) with observations on the variability of the head surface sculpture in liposcelidids. *Journal of Stored Products Research* 57: 12-23, 10 figs.
- Li Heng Yu, Liu Xin Chao, Chen Xu Bo, Liu Qi Zhi & Liu Zhi Long 2015. Chemical composition and insecticidal activities of the essential oil of *Clinopodium chinense* (Benth) Kuntze aerial parts against *Liposcelis bostrychophila* Badonnel. *Journal of Food Protection* 78(10): 1870-1874. **(Only abstract seen)**.
- Li Heng Yu, Chen Xu Bo, Liu Qi Zhi & Liu Zhi Long 2017. Chemical composition and insecticidal properties of the essential oil of *Bidens frondosa* L. (Asteraceae) against looklice (*Liposcelis bostrychophila*). *Tropical Journal of Pharmaceutical Research* 16(1): 171-177. **(Only abstract seen)**.
- Li Hu, Shao Renfu, Song Fan, Zhou Xuguo, Yang Qianqian, Li Zhihong & Cai Wanzhi 2013. Mitochondrial genomes of two barklice, *Psococerastis albomaculata* and *Longivalvus hyalospilus* (Psocoptera: Psocomorpha): Contrasting rates in mitochondrial gene rearrangement between major lineages of Psocodea. *PLoS One* 8(4). DOI: 10.1371/journal.pone.0061685.
- Li Hu, Shao Renfu, Song Nan, Song Fan, Jiang Pei, Li Zhihong & Cai Wanzhi 2015. Higher-level phylogeny of paraneopteran insects inferred from mitochondrial genome sequences. *Scientific Reports* 5: 8527. DOI: 10.1038.
- Li Mengnan, Yang Qianqian, Shao Huangfang, Sun Entao, Zheng Lingxiao, Sun Mengtao, Chen Yingwei, Huang Wenyu, Ye Changjiang, Liu Liu, Lu Ying, Fang Weixi 2020. Species identification and phylogenetic relationships among five species of psocids from Chinese herbal medicines. *Journal of Stored Products Research* 85, article 101539, 5 pp., 3 figs.

- Li Sheng, Wang Qiuzhu., Dong Ren & Yao Yunzhi 2020. New genus and species of Empheriidae (Psocodea: Trogiomorpha) from mid-Cretaceous amber of northern Myanmar. *Cretaceous Research* 110: 104421, 7 pp. February 2020. DOI: 10.1016/j.cretres.2020.104421
- Li Ting, Liu Yan, Wei Dan-Dan, Shang Feng, Dou Wei, Wang Jin-Jun & Smagghe, G. 2016. Characterization and expression profiles of five possible cytochrome P450 genes from *Liposcelis entomophila* (Enderlein) (Psocoptera: Liposcelididae). *Archives of Insect Biochemistry and Physiology* 92(4): 259-273. **(Only abstract seen)**.
- Li Yan-Hong, Luo Cheng-De, Yang Wan-Qin, Hu Jie & Wu Fu-Zhong 2011. Decomposition of eucalyptus-alder mixed litters and dynamics of soil faunal community. *Journal of Applied Ecology* 22(4): 851-856. (In Chinese). **(Only abstract seen)**.
- Li Yanhong, Yang Wanqin, Luo Chengde, Wu Fuzhong & Hu Jie 2013. Dynamics on soil faunal community during the decomposition of mixed eucalypt and alder litters. *Acta Ecologica Sinica* 33(1): 159-167. **(Only abstract seen)**.
- Li, Y.-Y., Fields, P. G., Pang, B.-P., Coghlin, P. C. & Floate, K. D. 2015. Prevalence and diversity of *Wolbachia* bacteria infecting insect pests of stored products. *Journal of Stored Products Research* 62: 93-100. **(Only abstract seen)**.
- Li Zhi-Hong, Kucerova, Z., Zhao Shuo, Stejskal, V., Opit, G. & Qin Meng 2011. Morphological and molecular identification of three geographical populations of the storage pest *Liposcelis bostrychophila* (Psocoptera). *Journal of Stored Products Research* 47: 168-172, 3 figs.
- Li Zhihong, Kucerova, Z., Yang Qianqian & Stejskal, V. 2012. New record of stored product pest *Lepinotus reticulatus* (Psocoptera: Trogiidae) from China: Identification through scanning electron microscopy and DNA barcode. *African Journal of Biotechnology* 11(88): 15460-15464, 2 figs.
- Li Zhihong, Stejskal, V., Opit, G., Cao Yang & Throne, J. E. 2018. From stored-product psocids to the other pests: the developments, problems and prospects on research and application of molecular identification. *12th International Working Conference on Stored Product Protection (IWCSP) in Berlin, Germany, October 7-11, 2018. Julius-Kühn-Archiv* 463: 221-224.
- Liang Feiyang, Liu Xingyue, Zhao Jinnian & He Yuyon 2012. A newly recorded species of the psocid genus *Lepinotus* Heyden (Psocoptera: Trogiomorpha: Trogiidae) from China. *Entomotaxonomia* 34(4): 606-608, 5 figs.
- Liang Feiyang, Li Fasheng & Liu Xingyue 2013a. *Graphopsocus* (Psocoptera: Stenopsocida) newly recorded from Vietnam, with one new species. *Zootaxa* 3666(1): 41-48, 19 figs.
- Liang Feiyang, Li Fasheng & Liu Xingyue 2013b. Discovery of the barklice family Calopsocidae (Psocoptera: Psocomorpha) from China and Vietnam, with redescription of *Calopsocus infelix* (Hagen). *Entomotaxonomia* 35(4): 256-262, 12 figs.
- Liang Feiyang, Dai Yuting, Yue Lu, Li Fasheng & Liu Xingyue 2015. DNA barcoding and taxonomic review of the barklouse genus *Stenopsocus* (Psocoptera: Stenopsocidae) from Taiwan. *Zootaxa* 4057(2): 191-209, 16 figs.
- Liang Feiyang, Zhang Weiwei & Liu Xingyue 2016. A new genus and species of the paraneopteran family Archipsyllidae in mid-Cretaceous amber of Myanmar. *Zootaxa* 4105(5): 483-490, 3 figs.
- Liang Feiyang, Li Fasheng & Liu Xingyue 2017. The bark louse family Stenopsocidae (Psocodea: Psocomorpha) newly recorded from Laos, with description of three new species. *Zootaxa* 4243(3): 589-599, 8 figs.
- Liang Jun-yu, You Chun-xue, Guo Shan-shan, Zhang Wen-juan, Li Yuan, Geng Zhu-feng, Wang Cheng-fang, Du Shu-shan, Deng Zhi-wei & Zhang Ji 2016. Chemical constituents of the essential oil extracted from *Rhododendron thymifolium* and their insecticidal activities against *Liposcelis bostrychophila* or *Tribolium castaneum*. *Industrial Crops and Products* 79: 267-273. **(Only abstract seen)**.
- Liang Yan, Li Jin Lu, Xu Shuai, Zhao Na Na, Zhou Ligang, Cheng Jun & Liu Zhi Long 2013. Evaluation of repellency of some Chinese medicinal herbs essential oils against *Liposcelis bostrychophila* (Psocoptera: Liposcelidae) and *Tribolium castaneum* (Coleoptera: Tenebrionidae). *Journal of Economic Entomology* 106(1): 513-519. **(Only abstract seen)**.

- Liebhold, A. M., Yamanaka, T., Roques, A., Augustin, S., Chown, S. L., Brockerhoff, E. G. & Pysek, P. 2016. Global compositional variation among native and non-native regional insect assemblages emphasizes the importance of pathways. *Biological Invasions* 18(4): 893-905. **(Only abstract seen).**
- Lienhard, C. 2011a. Additions and Corrections (Part 10) to Lienhard & Smithers, 2002: "Psocoptera (Insecta) - World Catalogue and Bibliography" (pp. 1-18). *In*: Yoshizawa, K. (ed.). Psocid News. The Psocidologists' Newsletter. No. 13 (February 28, 2011). *Systematic Entomology, Faculty of Agriculture, Hokkaido University, Sapporo*, 19 pp
- Lienhard, C. 2011b. A new species of *Siamoglaris* from Thailand with complementary description of the type species (Psocodea: 'Psocoptera': Prionoglarididae). *Revue suisse de Zoologie* 118(2): 293-306, 7 figs.
- Lienhard, C. 2011c. Synthesis of Parts 1-10 of the Additions and Corrections to Lienhard & Smithers, 2002: "Psocoptera (Insecta) – World Catalogue and Bibliography". *Natural History Museum of the City of Geneva*, 232 pp. Online (pdf, 2.1M). [This paper is no longer available online, it has been replaced by Lienhard, C. 2016d].
- Lienhard, C. 2012a. Additions and Corrections (Part 11) to Lienhard & Smithers, 2002: "Psocoptera (Insecta) - World Catalogue and Bibliography" (pp. 1-13). *In*: Yoshizawa, K. (ed.). Psocid News. The Psocidologists' Newsletter. No. 14 (Feb. 29, 2012). *Systematic Entomology, Faculty of Agriculture, Hokkaido University, Sapporo*, 14 pp.
- Lienhard, C. 2012b. Psocoptera (pp. 53-55, 1 fig.). *In*: Merz, B. (ed.). Liste annotée des insectes (Insecta) du canton de Genève. *Instrumenta Biodiversitatis* VIII: 1-532. Genève.
- Lienhard, C. 2012c. A new species of *Austropsocus* (Psocodea: 'Psocoptera': Pseudocaeciliidae) with a peculiar forewing venation from New Caledonia. *Revue suisse de Zoologie* 119(2): 161-167, 9 figs.
- Lienhard, C. 2013. Additions and Corrections (Part 12) to Lienhard & Smithers, 2002: "Psocoptera (Insecta) - World Catalogue and Bibliography" (pp. 1-21). *In*: Yoshizawa, K. (ed.). Psocid News. The Psocidologists' Newsletter. No. 15 (Feb. 28, 2013). *Systematic Entomology, Faculty of Agriculture, Hokkaido University, Sapporo*, 21 pp.
- Lienhard, C. 2014. Additions and Corrections (Part 13) to Lienhard & Smithers, 2002: "Psocoptera (Insecta) - World Catalogue and Bibliography" (pp. 1-20). *In*: Yoshizawa, K. (ed.). Psocid News. The Psocidologists' Newsletter. No. 16 (March 4, 2014). *Systematic Entomology, Faculty of Agriculture, Hokkaido University, Sapporo*, 20 pp.
- Lienhard, C. 2015. Additions and Corrections (Part 14) to Lienhard & Smithers, 2002: "Psocoptera (Insecta) - World Catalogue and Bibliography" (pp. 1-17). *In*: Yoshizawa, K. (ed.). Psocid News. The Psocidologists' Newsletter. No. 17 (February 28, 2015). *Systematic Entomology, Faculty of Agriculture, Hokkaido University, Sapporo*, 18 pp.
- Lienhard, C. 2016a. Additions and Corrections (Part 15) to Lienhard & Smithers, 2002: "Psocoptera (Insecta) - World Catalogue and Bibliography". *Psocid News* 18: 1-12.
- Lienhard, C. 2016b. Country checklists of the Psocoptera species of the World, extracted from Lienhard & Smithers, 2002: "Psocoptera (Insecta) – World Catalogue and Bibliography". *Psocid News*, Special Issue 1: 1-123. [This paper replaces Lienhard, 2004d].
- Lienhard, C. 2016c. Subject bibliography for papers on Psocoptera published between the years 1688 and 2015. *Psocid News*, Special Issue 2: 1-40. [This paper replaces Lienhard, 2004e].
- Lienhard, C. 2016d. Synthesis of Parts 1-10 of the Additions and Corrections to Lienhard & Smithers, 2002: "Psocoptera (Insecta) – World Catalogue and Bibliography". *Psocid News*, Special Issue 3: 1-221. [This paper replaces Lienhard, 2011c].
- Lienhard, C. 2017. Additions and Corrections (Part 16) to Lienhard & Smithers, 2002: "Psocoptera (Insecta) - World Catalogue and Bibliography". *Psocid News* 19: 1-18.
- Lienhard, C. 2018. Additions and Corrections (Part 17) to Lienhard & Smithers, 2002: "Psocoptera (Insecta) - World Catalogue and Bibliography". *Psocid News* 20: 4-17.
- Lienhard, C. 2019. Additions and Corrections (Part 18) to Lienhard & Smithers, 2002: "Psocoptera (Insecta) - World Catalogue and Bibliography". *Psocid News* 21: 10-34.
- Lienhard, C. 2020a. Stories behind names – the insect family Prionoglarididae (Psocodea: 'Psocoptera'). *Psocid News* 22: 3-15.
- Lienhard, C. 2020b. Additions and Corrections (Part 19) to Lienhard & Smithers, 2002:

- "Psocoptera (Insecta) - World Catalogue and Bibliography". *Psocid News* 22: 16-29.
- Lienhard, C. 2020c. Rediscovery of two African species of *Lachesilla* Westwood in Yemen (Psocodea: 'Psocoptera': Lachesillidae), with first description of their males and description of a new species. *Dugesiana* 27(2): 167-171, 2 figs.
- Lienhard, C. 2021. Additions and Corrections (Part 20) to Lienhard & Smithers, 2002: "Psocoptera (Insecta) - World Catalogue and Bibliography". *Psocid News* 23: 1-20.
- Lienhard, C. & Ashmole, N. P. 2011. The Psocoptera (Insecta: Psocodea) of St Helena and Ascension Island (South Atlantic) with a new record from South Africa. *Revue suisse de Zoologie* 118(3): 423-449, 9 figs.
- Lienhard, C. & Baz, A. 2011. Redescription of the genus *Marcenendius* Navas (Psocodea: 'Psocoptera': Amphientomidae) with a key to western Palaearctic amphientomids. *Revue suisse de Zoologie* 118(3): 451-466, 6 figs.
- Lienhard, C. & Ferreira, R. L. 2013a. A new species of *Neotroglia* from Brazilian caves (Psocodea: 'Psocoptera': Prionoglarididae). *Revue suisse de Zoologie* 120(1): 3-12, 4 figs.
- Lienhard, C. & Ferreira, R. L. 2013b. Three new species of *Psyllipsocus* (Psocodea: 'Psocoptera': Psyllipsocidae) from Brazilian caves with description of a novel structure interpreted as a male accessory genital organ. *Revue suisse de Zoologie* 120(3): 421-443, 10 figs.
- Lienhard, C. & Ferreira, R. L. 2014. New species of *Psyllipsocus* from Brazilian caves (Psocodea: 'Psocoptera': Prionoglarididae). *Revue suisse de Zoologie* 121(2): 211-246, 17 figs.
- Lienhard, C. & Ferreira, R. L. 2015. Review of Brazilian cave psocids of the families Psyllipsocidae and Prionoglarididae (Psocodea: 'Psocoptera': Trogiomorpha) with a key to the South American species of these families. *Revue suisse de Zoologie* 122(1): 121-142, 8 figs.
- Lienhard, C. & Garcia Aldrete, A. N. 2016. An extraordinary new species of *Psyllipsocus* (Psocodea: 'Psocoptera': Psyllipsocidae) from the Biosphere Reserve Sierra de Huautla, Morelos, Mexico. *Revue suisse de Zoologie* 123(1): 105-112, 4 figs.
- Lienhard, C. & Mifsud, D. 2015. Psocids from Malta (Insecta: Psocodea: 'Psocoptera'), with new synonymy for *Peripsocus stagnivagus* based on the discovery of its first Palaearctic male. *Zootaxa* 3936(2): 251-260, 1 fig.
- Lienhard, C. & Mifsud, D. 2016. Three new psocids (Insecta, Psocodea, 'Psocoptera') for the Maltese fauna. *Bulletin of the Entomological Society of Malta* 8: 94-95.
- Lienhard, C. & Yoshizawa, K. 2018. Authorities for family-group names of Trogiomorpha (Insecta: Psocodea: 'Psocoptera'). *Psocid News* 20: 1-3.
- Lienhard, C. & Yoshizawa, K. 2019a. Authorities for currently used names of psocid taxa at ranks above the family-group (Insecta: Psocodea: 'Psocoptera'). *Psocid News* 21: 1-2.
- Lienhard, C. & Yoshizawa, K. 2019b. Authorities for family-group names of psocids (Insecta: Psocodea: 'Psocoptera'). *Psocid News* 21: 3-9.
- Lienhard, C., Ferreira, R. L., Gnos, E., Hollier, J., Eggenberger, U. & Piuz, A. 2012. Microcrystals coating the wing membranes of a living insect (Psocoptera: Psyllipsocidae) from a Brazilian cave. *Scientific Reports* 2, 408 (8 figs); DOI:10.1038/srep00408.
- Lienhard, C., Telfer, M. G. & Anderson, R. 2017. *Chilenocaecilius ornatipennis* (Blanchard, 1851) (Psocodea: 'Psocoptera', Paracaeciliidae) in Ireland, first Palaearctic record of this South American genus and species. *Entomologist's Monthly Magazine* 153: 25-30, 6 figs.
- Lima, D. M., Silva Neto, A. M. da, Garcia Aldrete, A. N. & Bravo, F. 2018. Description of the female of *Brasineura diamantina* Silva-Neto & Garcia Aldrete (Psocodea: 'Psocoptera': Ptiloneuridae), with comments on variation in the wing venation. *Papéis Avulsos de Zoologia* 58: e20185843 (9 pp., 43 figs). DOI: 10.11606/1807-0205/2018.58.43
- Lima, D. M., Silva-Neto, A. M. da, Garcia Aldrete, A. N. & Bravo, F. 2019. *Loneura* Navas (Psocodea: Psocomorpha: Ptiloneuridae): new species from Brazil, and description of the female of *Loneura maracaensis* Garcia Aldrete, with a checklist of all known species of the genus. *Zootaxa* 4576 (1): 179-186, 23 figs.
- Lima, D. M., Silva-Neto, A. M., Garcia Aldrete, A. N. & Bravo, F. 2020. *Brasineura* Silva-Neto & Garcia Aldrete (Psocodea, 'Psocoptera', Ptiloneuridae): new species, new records and variation in the wing venations. *Zootaxa* 4819 (2): 375-384, 29 figs.

- Liu Li-Jun, Pang Ao-Han, Feng Shi-Qian, Cui Bing-Yi, Zhao Zi-Hua, Kucerova, Z., Stejskal, V., Opit, G., Aulicky, R., Cao Yang, Li Fu-Jun, Wu Yi, Zahng Tao & Li Zhi-Hong 2017. Molecular identification of ten species of stored-product psocids through microarray method based on ITS2 rDNA. *Scientific Reports* 7: article number 16694.
- Liu Luxi, Li Fasheng & Liu Zhiqi 2011a. *Symbiopsocus* Li (Psocoptera: Psocidae), with a new species from China. *Zootaxa* 2780: 63-68, 12 figs.
- Liu Luxi, Li Fasheng & Liu Zhiqi 2011b. The genus *Sigmatoneura* Enderlein (Psocoptera: Psocidae), with two new species from China. *Zootaxa* 2999: 33-41, 19 figs.
- Liu Lu-Xi, Yoshizawa, K., Li Fa-Sheng, Liu Zhi-Qi 2012. A review of the genus *Neopsocopsis* (Psocodea, 'Psocoptera', Psocidae), with one new species from China. *ZooKeys* 203: 27-46, 6 figs.
- Liu Luxi, Li Fasheng & Liu Zhiqi 2013a. A new species from southwestern China of *Clematoscenea* (Psocoptera: Psocidae), with a key to known species. *Zootaxa* 3666(3): 382-388, 15 figs.
- Liu Luxi, Yoshizawa, K., Li Fasheng & Liu Zhiqi 2013b. *Atrichadenotecnum multispinosus* [sic!] sp. n. (Psocoptera: Psocidae) from southwestern China, with new synonyms and new combinations from *Psocomesites* and *Clematostigma*. *Zootaxa* 3701(4): 460-466, 7 figs.
- Liu Luxi, Li Fasheng & Liu Zhiqi 2014. A new species of *Symbiopsocus* Li (Psocodea: 'Psocoptera': Psocidae) from Taiwan, China, with a revised checklist and key to species. *Zootaxa* 3774 (3): 289-294, 9 figs.
- Liu Xiaochen, Li Hu, Cai Yao, Song Fan, Wilson, J.-J. & Cai Wanzhi 2017. Conserved gene arrangement in the mitochondrial genomes of barklouse families Stenopsocidae and Psocidae. *Frontiers of Agricultural Science and Engineering* 4(3): 358-365, 5 figs.
- Liu Xin Chao & Liu Zhi Long 2015. Analysis of the essential oil of *Illicium henryi* Diels root bark and its insecticidal activity against *Liposcelis bostrychophila* Badonnel. *Journal of Food Protection* 78(4): 772-777. **(Only abstract seen)**.
- Liu Xin Chao, Liang Yan, Shi Wang Peng, Liu Qi Zhi, Zhou Ligang & Liu Zhi Long 2014. Repellent and insecticidal effects of the essential oil of *Kaempferia galanga* rhizomes to *Liposcelis bostrychophila* (Psocoptera: Liposcelidae). *Journal of Economic Entomology* 107(4): 1706-1712. **(Only abstract seen)**.
- Liu Xin Chao, Lu Xiao Nan, Liu Qi Zhi & Liu Zhi Long 2016. Chemical composition and insecticidal activity of the essential oil of *Cyperus rotundus* rhizomes against *Liposcelis bostrychophila* (Psocoptera: Liposcelididae). *Journal of Essential Oil Bearing Plants* 19(3): 640-647. **(Only abstract seen)**.
- Liu Zhi Long, Zhao Na Na, Liu Chun Ming, Zhou Ligang & Du Shu Shan 2012. Identification of insecticidal constituents of the essential oil of *Curcuma wenyujin* rhizomes active against *Liposcelis bostrychophila* Badonnel. *Molecules* 2012, 17: 12049-12060.
- Liznarova, E. & Pekar, S. 2015. Trophic niche of *Oecobius maculatus* (Araneae: Oecobiidae): evidence based on natural diet, prey capture success, and prey handling. *Journal of Arachnology* 43(2): 188-193. **(Only abstract seen)**.
- Lock, K. 2015. Some Psocoptera new to Albania. *Bulletin de la Société royale belge d'Entomologie* 151: 250-251.
- Lock, K. 2017a. *Kolbia quisquiliarum* Bertkau, 1882, *Valenzuela corsicus* (Kolbe, 1882) and *Valenzuela gynapterus* (Tetens, 1891) new to Belgium (Psocoptera: Amphipsocidae, Caeciliusidae). *Bulletin de la Société royale belge d'Entomologie* 153: 43-45, 3 figs.
- Lock, K. 2017b. *Ectopsocus petersi* Smithers, 1978 new to Spain (Psocoptera: Ectopsocidae). *Bulletin de la Société royale belge d'Entomologie* 153: 136-138, 3 figs.
- Lock, K. 2018. *Ectopsocus petersi* Smithers, 1978 new to Portugal (Psocoptera: Ectopsocidae). *Bulletin de la Société Royale Belge d'Entomologie* 154: 80-81, 1 fig.
- Lock, K. 2019a. *Liposcelis palatina* Roesler, 1954 and *Ectopsocus axillaris* (Smithers, 1969) new to Belgium (Psocoptera: Liposcelididae & Ectopsocidae). *Bulletin de la Société Royale Belge d'Entomologie* 154 (2018): 255-258, 3 figs. [Published 26 March 2019].
- Lock, K. 2019b. Rectification: *Propsozus pulchripennis* (Perkins, 1899) (Psocoptera: Elipsocidae) and not *Ectopsocus axillaris* (Smithers, 1969) was found in Belgium. *Bulletin de la Société Royale Belge d'Entomologie* 155 (2019): 88-90, 3 figs.

- Lock, K. & Soors, J. 2018. *Trimerocaecilius becheti* Meinander, 1978 new to Belgium (Psocoptera: Pseudocaeciliidae). *Bulletin de la Société Royale Belge d'Entomologie* 154: 25-26, 4 figs.
- Lock, K. & Van Butsel, J. 2017. *Valenzuela corsicus* (Kolbe, 1882) new to the Grand Duchy of Luxembourg (Psocoptera: Caeciliusidae). *Entomologie faunistique – Faunistic Entomology* 70: 121-122, 1 fig.
- Lock, K. & Van Butsel, J. 2018. *Hyalopsocus morio* (Latreille, 1794) new to the Grand Duchy of Luxembourg (Psocoptera: Psocidae). *Bulletin de la Société Royale Belge d'Entomologie* 154: 73-74, 3 figs.
- Lock, K. & Van Butsel, J. 2020. *Peripsocus milleri* (Tillyard, 1923) new to the Grand Duchy of Luxembourg (Psocoptera: Peripsocidae). *Bulletin de la Société Royale Belge d'Entomologie* 156 (2020): 49-51, 2 figs.
- Lock, K., Wallys, H., Claerebout, S. & Soors, J. 2015. *Pteroxanium kelloggi* (Ribaga, 1905) and *Mesopsocus fuscifrons* Meinander, 1966: two Psocoptera new to Belgium. *Bulletin de la Société royale belge d'Entomologie* 151: 195-197, 2 figs.
- Loera-Padilla, F. J., Diaz-Pacheco, I., Arroyo-Cabrales, J., Lopez-Barbosa, E. C., Leon Paniagua, L. S. & Tena-Morelos, C. A. 2017. Habitats alimenticios del murcielago microendémico *Rhogeessa mira* Laval, 1973 (Chiroptera: Vespertilionidae), Michoacan, Mexico. *Revista Mexicana de Mastozoología Nueva Epoca* 7(1): 35-51. (Psoc. p. 45, probably accidentally ingested).
- Long, R. & Ransom, T. M. 2017. New and notable insects in Jersey recorded 2010-2016. *Societe Jersiaise Annual Bulletin* 32(1): 139-144. **(Only abstract seen)**.
- Lonsdale, O. & Locke, M. M. 2018. Name-bearing type specimens in the Canadian National Collection of Insects, Arachnids & Nematodes (CNC): Blattodea, Dermaptera, Notoptera, Mecoptera, Megaloptera, Myriapoda, Neuroptera, Odonata, Orthoptera, Phthiraptera, Pseudoscorpiones, Psocoptera, Raphidioptera & Siphonaptera. *Zootaxa* 4526 (2): 101-126. (Psoc.: pp. 113-114).
- Loomis, J. D. & Cameron, G. N. 2014. Impact of the invasive shrub Amur honeysuckle (*Lonicera maackii*) on shrub-layer insects in a deciduous forest in the eastern United States. *Biological Invasions* 16(1): 89-100. **(Only abstract seen)**.
- Lopez, P. 2015. El mundo fascinante de los insectos psocopteros. El investigador Alfonso Garcia Aldrete ha descrito 481 especies de Mexico, Brasil y Colombia. *Gaceta UNAM, Organó informativo de la Universidad Nacional Autónoma de Mexico*, no. 4663 (22 de enero de 2015): 4-5 y centrales [with numerous colour photographs].
- Lopez-Nunez, F. A., Ribeiro, S., Marchante, H., Heleno, R. H. & Marchante, E. 2019. Life inside a gall: diversity, phenology and structure of Portuguese gall communities, their hosts, parasitoids and inquilines. *Arthropod-Plant Interactions* 13(3): 477-488. **(Only abstract seen)**.
- Lorenzon, R. E., Antoniazzi, C. E., Fabre, F. N., Qiroga, V. M., Regner, S. A., Ronchi-Virgolini, A. L., Olguin, P. F., Leon, E. J. & Beltzer, A. H. 2019. Diet of the Bobolink (*Dolichonyx oryzivorus*) in rice fields on its wintering grounds in Argentina. *Revista Brasileira de Ornitologia* 27(1): 10-16. **(Only abstract seen)**.
- Lu Yujie, Wang Zhengyan, Wang Wenduo & Pan Yamei 2020. Effects of sublethal fumigation with phosphine on the reproduction capacity of *Liposcelis entomophila* (End.) (Psocoptera: Liposcelididae). *International Journal of Pest Management* 66(1): 75-81. **(Only abstract seen)**.
- Luna-Cozar, J., Martinez-Madero, O. & Jones, R. W. 2020. Ball moss, *Tillandsia recurvata* L., as a refuge site for arthropods in a seasonally dry tropical forest of Central Mexico. *Southwestern Entomologist* 45(2): 445-460. **(Only abstract seen)**.
- Lynch, W. L., Philips, T. K. & Klompen, H. 2019. Arthropod fauna associated with black vulture and turkey vulture nests (Accipitriformes: Cathartidae) in south-Kentucky, USA. *Biologia*; Early Access: November 2019. **(Only abstract seen)**
- Ma, W.-J. & Schwander, T. 2017. Patterns and mechanisms in instances of endosymbiont-induced parthenogenesis. *Journal of Evolutionary Biology* 30(5): 868-888.
- Maheu, A. & Nel, A. 2019. A new fossil booklouse (Psocodea: Troctomorpha: Amphientometae:

- Manicapsocidae) from the mid-Cretaceous amber of northern Myanmar. *Cretaceous Research* 106 (2020) 104222, 4 pp., 4 figs, available online 21 August 2019.
- Maia, V. C. & Siqueira, E. D. 2020. Insects galls of the Reserva Biologica Uniao, Rio de Janeiro, Brazil. *Biota Neotropica* 20(1), article number e20190758. **(Only abstract seen)**.
- Makarova, A. A. & Polilov, A. A. 2017. Peculiarities of the structure and fine ultrastructure of the insect brain as related to miniaturization. 3. Barklice (Psocoptera, Liposcelididae). *Zoologicheskyy Zhurnal* 96(3): 275-288. (In Russian, with English abstract). [English translation: *Entomological Review* 97(3): 288-301, 8 figs].
- Mangoba, M. A. A. & Alvindia, D. D. 2020. Phosphine resistance in psocid *Liposcelis bostrychophila* (Psocoptera) in the Philippines. *International Journal of Tropical Insect Science*. DOI: 10.1007/s42690-020-00223-7. **(Only abstract seen)**.
- Matsumura, Y., Wipfler, B., Pohl, H., Dallai, R., Machida, R., Machimo, Y., Camara, J. T., Rafael, J. A. & Beutel, R. G. 2015. Cephalic anatomy of *Zorotypus weidneri* New, 1978: new evidence for a placement of Zoraptera. *Arthropod Systematics & Phylogeny* 73(1): 85-105. **(Only abstract seen)**.
- Maute, K., French, K., Story, P., Bull, C. M. & Hose, G. C. 2017. Short and long-term impacts of ultra-low-volume pesticide and biopesticide applications for locust control on non-target arid zone arthropods. *Agriculture Ecosystems & Environment* 240: 233-243. **(Only abstract seen)**.
- Mazac, D. 2016. The first contribution to the fauna of psocids (Insecta: Psocoptera) in forests in the Drahanska vrchovina Hills (Czech Republic). *Journal of Forest Science* 62(5): 211-222, 5 figs.
- Mederos-Lopez, J. L. & Baz Ramos, A. 2012. Psocoptera de un bosque mixto mediterraneo del Parc Natural de la Serra de Collserola (Cataluña, España). *Orsis (Organismes i Sistemes)* 26: 227-233, 2 figs.
- Mendel, H., Ashmole, P. & Ashmole, M. 2008. Invertebrates of the Central Peaks and Peak Dale, St Helena (with additional records from other sites). Based on a survey commissioned by the St Helena National Trust, 122 pp. (Unpublished report). (Psoc.: pp. 61-63).
- Mendivil Nieto, J. A., Gonzalez Obando, R. & Garcia Aldrete, A. N. 2015. Two new species of *Edmockfordia* Garcia Aldrete (Psocodea, 'Psocoptera', Epipsocidae), from Valle del Cauca, Colombia, and description of the female *E. chiquibulensis* Garcia Aldrete. *ZooKeys* 503: 45-54, 16 figs.
- Mendivil Nieto, J. A., Garcia Aldrete, A. N. & Gonzalez Obando, R. 2017. Seven new species of *Loneura* Navas (Insecta: Psocodea: 'Psocoptera': Ptiloneuridae) from Valle del Cauca, Colombia. *Zootaxa* 4227(4): 495-523, 88 figs.
- Mendivil Nieto, J. A., Gonzalez Obando, R., Carrejo Gironza, N. 2020. New species of *Neurostigma* Enderlein, 1901 (Insecta: Psocodea: Epipsocidae) from Colombia. *Dugesiana* 27(2): 131-135, 10 figs.
- Misof, B. *et al.* 2014. Authors: Bernhard Misof, Shanlin Liu, Karen Meusemann, Ralph S. Peters, Alexander Donath, Christoph Mayer, Paul B. Frandsen, Jessica Ware, Tomáš Flouri, Rolf G. Beutel, Oliver Niehuis, Malte Petersen, Fernando Izquierdo-Carrasco, Torsten Wappler, Jes Rust, Andre J. Aberer, Ulrike Aspöck, Horst Aspöck, Daniela Bartel, Alexander Blanke, Simon Berger, Alexander Böhm, Thomas R. Buckley, Brett Calcott, Junqing Chen, Frank Friedrich, Makiko Fukui, Mari Fujita, Carola Greve, Peter Grobe, Shengchang Gu, Ying Huang, Lars S. Jeremiin, Akito Y. Kawahara, Lars Krogmann, Martin Kubiak, Robert Lanfear, Harald Letsch, Yiyuan Li, Zhenyu Li, Jiguang Li, Haorong Lu, Ryuichiro Machida, Yuta Mashimo, Pashalia Kapli, Duane D. McKenna, Guanliang Meng, Yasutaka Nakagaki, José Luis Navarrete-Heredia, Michael Ott, Yanxiang Ou, Günther Pass, Lars Podsiadlowski, Hans Pohl, Björn M. von Reumont, Kai Schütte, Kaoru Sekiya, Shota Shimizu, Adam Slipinski, Alexandros Stamatakis, Wenhui Song, Xu Su, Nikolaus U. Szucsich, Meihua Tan, Xuemei Tan, Min Tang, Jingbo Tang, Gerald Timelthaler, Shigekazu Tomizuka, Michelle Trautwein, Xiaoli Tong, Toshiki Uchifune, Manfred G. Walz, Brian M. Wiegmann, Jeanne Wilbrandt, Benjamin Wipfler, Thomas K. F. Wong, Qiong Wu, Gengxiong Wu, Yinlong Xie, Shenzhou Yang, Qing Yang, David K. Yeates, Kazunori Yoshizawa, Qing Zhang, Rui Zhang, Wenwei Zhang, Yunhui Zhang, Jing Zhao, Chengran Zhou, Lili Zhou, Tanja Ziesmann, Shijie Zou,

- Yingrui Li, Xun Xu, Yong Zhang, Huanming Yang, Jian Wang, Jun Wang, Karl M. Kjer, Xin Zhou. Phylogenomics resolves the timing and pattern of insect evolution. *Science* 346 (6210): 763-767, 2 figs. DOI: 10.1126/science.1257570.
- Mizuno, M., Endo, K., Katano, H., Tsuji, A., Kojima, N., Watanabe, K., Shimizu, N., Morio, T. & Sekiya, I. 2020. The environmental risk assessment of cell-processing facilities for cell therapy in a Japanese academic institution. *Plos One* 15(8), article number e0236600. **(Only abstract seen).**
- Mo Wei, Wang Zhiliang, Li You, Guo Jianjun & Zhang Runzhi. 2018. Faunal communities of deep soil layers in suburban Beijing. *Biodiversity Science* 26(3): 248-257. **(Only abstract seen).**
- Mockford, E. L. 2011. New species of *Psyllipsocus* (Psocoptera: Psyllipsocidae) from North and Middle America with a key to the species of the region. *Transactions of the American Entomological Society* 137: 15-47, 110 figs.
- Mockford, E. L. 2012a. Aspects of the biogeography of North American Psocoptera (Insecta) (pp. 307-328, 1 fig.). In: Stevens, L. (ed.). *Global Advances in Biogeography. InTech, Rijeka & Shanghai*, 360 pp. Also online: <http://www.intechopen.com/books/global-advances-in-biogeography/aspects-of-the-biogeography-of-northamerican-psocoptera>
- Mockford, E. L. 2012b. New species and records of Psocoptera from the Ragged Islands group, Bahamas. *Transactions of the American Entomological Society* 138: 1-19, 58 figs.
- Mockford, E. L. 2013. A new species of *Sphaeropsocus* Hagen from southeastern United States: the first living species of its genus (Psocodea 'Psocoptera': Troctomorpha: Sphaeropsocidae). *Life: The Excitement of Biology* 1(2): 100-110, 17 figs.
- Mockford, E. L. 2015. A new species of *Belaphopsocus* Badonnel (Psocodea: 'Psocoptera': Troctomorpha: Liposcelididae: Embidopsocinae) from Costa Rican amber. *Life: The Excitement of Biology* 3(3): 207-212, 10 figs.
- Mockford, E. L. 2016. The brachypterous ground-litter-inhabiting species of *Rhyopsocus* Hagen (Psocodea: 'Psocoptera': Trogiomorpha: Psoquillidae) from southwestern United States, Mexico, and Guatemala, with descriptions of two new species. *Transactions of the American Entomological Society* 142: 215-235, 48 figs.
- Mockford, E. L. 2018a. A new species of the Australian genus *Clinopsocus* New from coastal California (Psocodea: 'Psocoptera': Elipsocidae). *Zootaxa* 4402(1): 195-200, 12 figs.
- Mockford, E. L. 2018b. Biodiversity of Psocoptera (pp. 417-456, 11 figs). In: Footitt, R. G. & Adler, P. H. *Insect Biodiversity: Science and Society*, vol. 2, chapter 16. John Wiley & Sons.
- Mockford, E. L. & Garcia Aldrete, A. N. 2014. A new genus and two new species, one extant and one fossil, in the family Troctopsocidae (Psocodea: 'Psocoptera': Troctomorpha: Amphientometae: Electrentomoidea). *Zootaxa* 3869 (2): 159-164, 13 figs.
- Mockford, E. L. & Wynne, J. J. 2013. Genus *Cyptophania* Banks (Psocodea: 'Psocoptera': Lepidopsocidae): unique features, augmented description of the generotype, and descriptions of three new species. *Zootaxa* 3702(5): 437-449, 48 figs.
- Mockford, E. L. & Young, D. W. 2014. Redescription of the male of *Lachesilla yucateca* Mockford (Psocodea: 'Psocoptera': Lachesillidae) and the northward extension of the species' range. *Life: The Excitement of Biology* 2(2): 125-129, 6 figs.
- Mockford, E. L. & Young, D. W. 2015. New species and records of *Indiopsocus* Mockford (Psocodea: 'Psocoptera': Psocidae) from Texas. *Transactions of the American Entomological Society* 141: 233-251, 29 figs.
- Mockford, E. L. & Young, D. W. 2019. *Peritroctes bengalensis* Thornton and Wong in Texas, first western hemisphere records and first description of the male, macropterous female, and egg (Psocodea: 'Psocoptera': Pachytroctidae). *Entomological News* 128 (3): 233-242, 16 figs.
- Mockford, E. L., Lienhard, C. & Yoshizawa, K. 2013. Revised classification of 'Psocoptera' from Cretaceous amber, a reassessment of published information. *Insecta Matsumurana*, New Series 69: 1-26.
- Moldovan, O. T., Cimpean, M., Borda, D., Iepure, S. & Ilie, V. (eds) 2007. Checklist of Romanian fauna (terrestrial and freshwater species). *Speleological Institute "Emil Racovitza", Cluj, Romania*. 411 pp. (Psoc.: p. 377-378).

- Mondal, H. & Rojo, M. J. A. 2017. Arthropods associated with Dipterocarp saplings at eco-park conservation area, Los Banos, Laguna, Philippines. *Journal of Entomology and Zoology Studies* 5(6M): 929-934. **(Only abstract seen)**.
- Monroy, F., Aira, M. & Dominguez, J., 2011. Epigeic earthworms increase soil arthropod populations during first steps of decomposition of organic matter. *Pedobiologia* 54(2): 93-99. **(Only abstract seen)**.
- Montagna, M., Tong, K. J., Magoga, G., Strada, L., Tintori, A., Ho, S. Y. W. & Lo, N. 2019. Recalibration of the insect evolutionary time scale using Monte San Giorgio fossils suggests survival of key lineages through the End-Permian Extinction. *Proceedings of the Royal Society B* 286: 20191854.
- Montserrat Larrosa, M. & Barrientos Alfageme, J. A. 1999. Aportacio al coneixement dels psocopters d'una roureda del massis del Montseny (pp. 51-56, 7 figs). *III Trobada d'Estudiosos del Montseny. Monografies 27. Servei de Parcs Naturals. Diputacio de Barcelona. Barcelona, June 1999*.
- Morales-Silva, T., Maia, L. F., Martins, A. L. & Modesto-Zampieron, S. L. 2018. Herbivore, parasitoid and hyperparasitoid insects associated with fruits and seeds of *Enterolobium contortisiliquum* (Vell.) Morong (Fabaceae). *Brazilian Journal of Biology (Revista Brasileira de Biologia)*. DOI: 10.1590/1519-6984.170105. **(Only abstract seen)**.
- Morales-Silva, T., Maia, L. F., Martins, A. L. & Modesto-Zampieron, S. L. 2019. Herbivore, parasitoid and hyperparasitoid insects associated with fruits and seeds of *Enterolobium contortisiliquum* (Vell.) Morong (Fabaceae). *Brazilian Journal of Biology* 79(3): 369-376. **(Only abstract seen)**.
- Moseley, M., Lim, T. W. & Lim, T. T. 2012. Fauna reported from Batu caves, Selangor, Malaysia: annotated checklist and bibliography. *Cave and Karst Science* 39(2): 77-92. (Psoc.: p. 86).
- Mucedda, M., Grafitti, G. & Marcia, P. 2013. Fauna cavernicola e pipistrelli nelle grotte della Provincia di Sassari. *Grafiche Ghiani, Monastir*, 48 pp. (Psoc.: p. 17).
- Naughton, I., Caterino, M. S., Hanna, C. & Holway, D. 2015. Contributions to an arthropod inventory of Santa Cruz Island, California. *Monographs of the Western North American Naturalist* 7(1): 297-305.
- Navarrete-Heredia, J. L. 2020. Editorial. *Dugesiana* 27(2): 108, 2 figs.
- Nayak, M. K., Collins, P. J., Throne, J. E. & Wang Jin-Jun 2014. Biology and management of psocids infesting stored products. *Annual Review of Entomology* 59: 279-297. (Supplemental tables 1-8, online doi: 10.1146/annurev-ento-011613-161947).
- Nel, A., Prokop, J., Nel, P., Grandcolas, P., Huang Di-Ying, Roques, P., Guilbert, E., Dostal, O. & Szwed, J. 2012. Traits and evolution of wing venation pattern in paraneopteran insects. *Journal of Morphology* 273: 480-506.
- Nel, A., Roques, P., Nel, P., Prokin, A. A., Bourgoïn, T., Prokop, J., Szwed, J., Azar, D., Desutter-Grandcolas, L., Wappler, T., Garrouste, R., Coty, D., Huang, D., Engel, M. S. & Kirejtshuk, A. G. 2013. The earliest known holometabolous insects. *Nature* 503: 257-261, 4 figs (and 8 Extended Data Figures and Supplementary Information in the online version of the paper). doi:10.1038/nature12629. (Psocodea: p. 258 and p. 11 of Suppl. Inf. and Extended Data Fig. 7).
- Neri, J. L. 2005. Some early drawings by Robert Hooke. *Archives of Natural History* 32(1): 41-47. (Psoc.: Fig. 1, no. 5).
- New, T. R. 2012. Courtenay Neville Smithers: His scientific contributions to the 'small orders' of insects. *Australian Entomologist* 39(4): 231-237, 6 figs.
- Ngo-Muller, V., Garrouste, R. & Nel, A. 2020. Small but important: A piece of mid-Cretaceous Burmese amber with a new genus and two new species (Odonata: Burmaphlebiidae & 'Psocoptera': Compsocidae). *Cretaceous Research* 110: 104405, 6 pp.
- Nikpay, A. 2016. First report of occurrence of Psocoptera (*Trogium apterum*) on sugarcane from Iran. *Sugar Tech* 19(2) (2017): 225-227, 2 figs. Online June 2016, DOI 10.1007/s12355-016-0449-7
- Ning Jinjin, Li Fasheng & Liu Xingyue 2020. The first record of the bark louse genus *Symbiopsocus* (Psocodea: Psocidae) from Vietnam, with description of a new species. *Zootaxa* 4759(3): 413-420, 4 figs.

- Noordijk, J. 2015. De exotische stofluis *Badonnelia titei* in Nederland (Psocodea: Sphaeropsocidae). *Nederlandse Faunistische Mededelingen* 45: 51-56, 2 figs.
- Noordijk, J. 2019a. De stofluis *Lepinotus reticulatus* (Psocodea: Trogiidae) op de Nederlandse soortenlijst. *Entomologische Berichten* 79 (2): 42-45, 3 figs.
- Noordijk, J. 2019b. *Lienhardiella dahli* (Psocodea: Caeciliusidae), een nieuwe stofluis voor Nederland. *Entomologische Berichten* 79 (6): 234, 3 figs.
- Noordijk, J. & Belgers, J. D. M. 2019. De stofluis *Protopsocus pulchripennis*: een bijzondere wereldreiziger nieuw voor Nederland (Psocodea: Elipsocidae). *Entomologische Berichten* 79 (4): 138-142, 7 figs.
- Noordijk, J., Heijerman, T. & Brooks, M. 2017. De kosmopolitische stofluis *Psoquilla marginepunctata* voor het eerst gevonden in Nederland (Psocodea: Psoquillidae). *Nederlandse Faunistische Mededelingen* 49: 33-39, 9 figs.
- Ogawa, N. & Yoshizawa, K. 2017a. Morphological dissection of behavior: thoracic musculature clarifies independent development of jumping mechanisms between sister groups, planthoppers and leafhoppers (Insecta: Hemiptera: Auchenorrhyncha). *Organisms Diversity and Evolution* 17(3): 521-530, 6 figs.
- Ogawa, N. & Yoshizawa, K. 2017b. Origin and transformation of the in-flight wing-coupling structure in Psocodea (Insecta: Paraneoptera). *Journal of Morphology* 279(4): 517-530 (Online: 11 December 2017. Print: April 2018).
- Ogawa, N. & Yoshizawa, K. 2018a. Structure and evolution of the stigmapophysis – A unique repose wing-coupling structure in Psocodea. *Arthropod Structure & Development* 47(4): 416-422, 5 figs.
- Ogawa, N. & Yoshizawa, K. 2018b. Corrigendum to "Structure and evolution of the stigmapophysis – A unique repose wing-coupling structure in Psocodea" [*Arthropod Structure & Development*, 47 (4) (2018) 416-422]. *Arthropod Structure & Development* 47(5): 562.
- Olejarski, P. & Rybacki, R. 2011. Insect pests occurring in stored rapeseed. *Progress in Plant Protection* 51(4): 1567-1574. (In Polish). **(Not seen)**.
- Oliveira, J. A., Silva-Neto, A. M., Mello Mendes, D. M. & Garcia Aldrete, A. N. 2017. New records of *Dictyopsocus pennicornis* (Burmeister) (Psocodea 'Psocoptera': Psocidae: Psocinae). *EntomoBrasilis* 10(2): 127-130, 26 figs.
- Olson, C. A. & Beard, K. H. 2012. Diet of the introduced Greenhouse Frog in Hawaii. *Copeia* 2012 (1): 121-129. **(Only abstract seen)**.
- Opit, G. P., Arthur, F. H., Bonjour, E. L., Jones, C. L. & Phillips, T. W. 2011. Efficacy of heat treatment for desinfestation of concrete grain silos. *Journal of Economic Entomology* 104(4): 1415-1422. **(Only abstract seen)**.
- Opit, G. P., Arthur, F. H., Throne, J. E. & Payton, M. E. 2012. Susceptibility of stored-product psocids to aerosol insecticides. *Journal of Insect Science* 12: article no. 139. **(Only abstract seen)**.
- Opit, G., Throne, J. & Friesen, K. 2014. Stored-product psocid identification website. Accessed 12 January 2014. Online: <http://entopl.okstate.edu/profiles/go/psocid>
- Opit, G., Ocran, A. & Shakya, K. 2018. Population growth and development of *Liposcelis obscurus* Broadhead (Psocodea: Liposcelididae) at constant temperatures and relative humidities. *12th International Working Conference on Stored Product Protection (IWCSPP) in Berlin, Germany, October 7-11, 2018. Julius-Kühn-Archiv* 463: 151-159.
- Orfinger, A. B., Cogen, T. B., Irons, G. R., Kabilan, K. V., Molligoda, B., Moody, A. L., Wisdo, J. F. & Phillips, K. F. 2017. Preliminary study of pan trapping in longleaf pine flatwoods in Central Florida, USA. *Midsouth Entomologist* 10(1): 24-27. **(Only abstract seen)**.
- Ostrovsky, A. & Georgiev, D. 2020. New Psocoptera (Hexapoda, Insecta) records from Belarus. *ZooNotes* 157: 1-3, 1 fig.
- Panche-Chocue, J., Gonzalez-Obando, R. & Garcia Aldrete, A. N. 2020. Diversity and vertical distribution of psocids (Psocodea: Psocoptera) in two forests of the Colombian Amazon. *Revista de Biología Tropical* 68(3): 898-908, 4 figs.
- Pang Xue, Almaz, B., Qi Xiao-Jie, Wang Yang, Feng Yi-Xi, Geng Zhu-Feng, Xi Chao & Du Shu-Shan 2020. Bioactivity of essential oil from *Atalantia buxifolia* leaves and its major

- sesquiterpenes against stored-product insects. *Journal of Essential Oil Bearing Plants* 23(1): 38-50. **(Only abstract seen)**.
- Parola, P., Mediannikov, O., Dieme, C. & Raoult, D. 2015. Reply to Slesak et al.: So much about *Rickettsia felis* infection to be discovered. *PNAS*, December 1, 2015, vol.112, no. 48, E6595-E6596, 1 fig.
- Peck, S. B. 2012. CDF checklist of Galapagos booklice and barklice. In: Bungartz, F., Herrera, H., Jaramillo, P., Tirado, N., Jimenez-Uzcategui, G., Ruiz, D., Guezou, A. & Ziemmeck, F. (eds). Charles Darwin Foundation Galapagos Species Checklist. *Charles Darwin Foundation, Puerto Ayora, Galapagos*. [Last updated 22 June 2012]. Online: <http://checklists.datazone.darwinfoundation.org/terrestrial-invertebrates/psocoptera/>
- Penney, D. 2012. Biodiversity of fossils in amber from the major world deposits. *Mitteilungen der Deutschen Gesellschaft für allgemeine und angewandte Entomologie* 18: 615-622, 2 figs. (Psocodea: p. 620).
- Perez, J. E. J. & Barrion-Dupo, A. L. A. 2013. Diversity and colonization pattern of leaf-litter arthropods during early stages of decomposition in Mt. Makiling, Los Banos, Laguna. *Philippine Journal of Systematic Biology* 7: 39-52. **(Only abstract seen)**.
- Perlman, S. J., Hodson, C. N., Hamilton, P. T., Opit, G. P. & Gowen, B. E. 2015. Maternal transmission, sex ratio distortion, and mitochondria. *Proceedings of the National Academy of Sciences of the United States of America* 112(33): 10162-10168.
- Perotin, J.-M., Scherer, P., Leduc, V., Bouchet, F., Deslee, G. & Lavaud, F. 2011. Allergic asthma to psocids, a new indoor allergen of ecological building materials. *Allergy* 66: 1257-1258, 1 fig.
- Perotti, M. A., Kirkness, E. F., Reed, D. L. & Braig, H. R. 2009. Endosymbionts of lice (pp. 205-219). In: Bourtzis, K. & Miller, T. A. (eds). *Insects symbiosis*. Vol 3. *Taylor & Francis, Boca Raton*, xvii+408 pp. **(Not seen)**.
- Pictet, F. J. 1836. Mémoire sur le genre *Sialis* de Latreille, et considérations sur la classification de l'ordre des Névroptères. *Extrait des Annales des Sciences Naturelles*, Janvier 1836, 8 pp. + pl. 3. (Psoc.: pp. 5 and 7).
- Pires, T. L., Lange, D. & Del-Claro, K. 2020. Witches' brooms increases arthropod-plant interactions in *Ouratea hexasperma* (Baill.) (Ochnaceae). *Acta Oecologica - International Journal of Ecology* 102, article number 103508. **(Only abstract seen)**.
- Poinar, G. O., Jr., 2011. The evolutionary history of nematodes, as revealed in stone, amber and mummies. *Nematology Monographs and Perspectives* 9: i-xix, 1-429.
- Poinar, G. O. Jr. & Poinar, R. 1999. The amber forest: a reconstruction of a vanished world. *Princeton University Press, Princeton, New Jersey*, 239 pp. (List of Dominican Amber Psocoptera: p. 202).
- Poinar, G. & Vega, F. E. 2020. Entomopathogenic fungi (Hypocreales: Ophiocordycipitaceae) infecting bark lice (Psocoptera) in Dominican and Baltic amber. *Mycology* 11(1): 71-77.
- Polilov, A. A. 2015. Small is beautiful: features of the smallest insects and limits to miniaturization. *Annual Review of Entomology* 60: 103-121, 4 figs.
- Polilov, A. A. 2016. Anatomy of the adult and first instar nymph of the book louse, *Liposcelis bostrychophila* (Psocoptera, Liposcelididae). *Zoologicheskyy Zhurnal* 95(11): 1305-1321, 10 figs. (In Russian, with English abstract).
- Porhajasova, J. I., Noskovic, J. & Babosova, M. 2018. Biodiversity of epigeic groups in sugar beet stands. *Listy Cukrovarnicke a Reparske* 134(9-10): 310-313. **(Only abstract seen)**.
- Portela, M. B., Rodrigues, E. I., Rodrigues, C. A. D. R. D., Rezende, C. F. & de Oliveira, T. S. 2019. Do ecological corridors increase the abundance of soil fauna? *Ecoscience* 27(1): 45-57. **(Only abstract seen)**.
- Pricop, E. 2014. An interesting psocid species (Psocoptera: Psyllipsocidae) newly recorded from Romania. *ABAH Bioflux* 6(1): 71-74, 1 fig.
- Prokop, J., Garrouste, R. & Nel, A. 2016. A new permopsocidan genus and species from Late Permian of Australia (Insecta: Acercaria: Psocidiidae). *Zootaxa* 4147(5): 589-592, 2 figs.
- Prokop, J., Pecharova, M., Garrouste, R., Beattie, R., Chintauan-Marquier, I. C. & Nel, A. 2017. Redefining the extinct orders Miomoptera and Hypoperlida as stem acercarian insects. *BMC Evolutionary Biology* 17: 205: 20 pp., 6 figs.

- Qi Xiao-Jie, Pang Xue, Cao Ju-Qin & Du Shu-Shan 2020. Comparative analysis on bioactivity against three stored insects of *Ligusticum pteridophyllum* Franch. rhizomes essential oil and supercritical fluid (SFE-CO<sub>2</sub>) extract. *Environmental Science and Pollution Research* 27(13): 15584-15591. **(Only abstract seen).**
- Quan Meirong, Liu Qi Zhi & Liu Zhi Long 2018. Identification of insecticidal constituents from the essential oil from the aerial parts *Stachys riederi* var. *japonica*. *Molecules* 23(5): article 1200. **(Only abstract seen).**
- Querner, P. 2015. Insect pests and integrated pest management in museums, libraries and historic buildings. *Insects* 6(2): 595-607. **(Only abstract seen).]**
- Rafael, J. A. *et al.*, 2020 (54 authors). Insect (Hexapoda) diversity in the oceanic archipelago of Fernando de Noronha, Brazil: updated taxonomic checklist and new records. *Revista Brasileira de Entomologia* 64(3): e20200052, 26 pp. (Psoc.: p. 22).
- Ramesh, G., Babu, R. & Subramanian, K. A. 2020. New species of *Soa* Enderlein, 1904 (Psocodea: 'Psocoptera': Lepidopsocidae) from the Western Ghats of India. *Zootaxa* 4881(2): 383-392, 24 figs.
- Rasnitsyn, A. P., Bashkuev, A. S., Kopylov, D. S., Lukashevich, E. D., Ponomarenko, A. G., Popov, Yu. A., Rasnitsyn, D. A., Ryzhkova, O. V., Sidorchuk, E. A., Sukatsheva, I. D. & Vorontsov, D. D. 2016. Sequence and scale of changes in the terrestrial biota during the Cretaceous (based on materials from fossil resins). *Cretaceous Research* 61: 234-255, 11 figs.
- Reddell, J. R. 1982. A checklist of the cave fauna of Mexico. VII. Northern Mexico. *Association for Mexican Cave Studies Bulletin* 8: 249-283. [= *Texas Memorial Museum Bulletin* 28: 249-283]. (Psoc.: 272).
- Robinson, J. & Allan, M. 2017. *Dorypteryx longipennis* Smithers, 1991, (Psocoptera: Psyllipsocidae) new to Scotland. *Entomologist's Monthly Magazine* 153: 80.
- Roman Palacios, C., Garcia Aldrete, A. N. & Gonzalez Obando, R. 2014. *Elaphopsocoides*, a new genus of Psocidae (Psocodea: 'Psocoptera') from Valle del Cauca, Colombia. *Zootaxa* 3873 (1): 93-100, 21 figs.
- Roman-P., C., Gonzalez Obando, R. & Garcia Aldrete, A. N. 2015. The genus *Elaphopsocus* Roesler (Psocodea: 'Psocoptera': Psocidae) with six new species from Brazil and Colombia. *Zootaxa* 3957(2): 151-168, 55 figs.
- Roman-Palacios, C., Garcia Aldrete, A. N. & Gonzalez Obando, R. 2016a. Historical biogeography of Thyrsophorini psocids and description of a new neotropical species of *Thyrsopsocopsis* (Psocodea: Psocomorpha: Psocidae). *European Journal of Taxonomy* 193: 1-16, 7 figs.
- Roman-Palacios, C., Gonzalez Obando, R. & Garcia Aldrete, A. N. 2016b. Uncovering the diversity of the neotropical genus *Elaphopsocus* ('Psocoptera': Psocidae: Amphigerontiinae): from one to ten species. *Zootaxa* 4162(2): 373-380, 18 figs.
- Roman Palacios, C., Gonzalez Obando, R. & Molina Henao, Y. F. 2017. On the divergence of Psocidae (Psocodea, Psocomorpha): fossils or biogeography? *Boletín del Museo de Entomología de la Universidad del Valle* 17(2): 37-46, 1 fig.
- Ross, A. J. 2017a. Burmese (Myanmar) amber taxa, on-line checklist v.2017.3
- Ross, A. J. 2017b. Burmese (Myanmar) amber taxa, on-line checklist v.2017.4
- Ross, A. J. 2018a. Burmese (Myanmar) amber taxa, on-line checklist v.2018.1
- Ross, A. J. 2018b. Burmese (Myanmar) amber taxa, on-line checklist v.2018.2
- Ross, A. J., 2019. Burmese (Myanmar) amber checklist and bibliography 2018. *Palaeoentomology* 2(1): 22-84.
- Ross, A. J., 2020a. Supplement to the Burmese (Myanmar) amber checklist and bibliography, 2019. *Palaeoentomology* 3(1): 103-118. (Psoc.: 107).
- Ross, A. J., 2020b. Burmese (Myanmar) amber taxa, on-line supplement v. 2020.1, 25 pp. (Psoc.: p. 4).
- Roy, L., Bouvier, J.-C., Lavigne, C., Gales, M. & Buronfosse, T. 2013. Impact of pest control strategies on the arthropodofauna living in bird nests built in nestboxes in pear and apple orchards. *Bulletin of Entomological Research* 103(4): 458-465. **(Only abstract seen).**

- Rueckert, S. & Devetak, D. 2017. Gregarines (Apicomplexa, Gregarinasina) in psocids (Insecta, Psocoptera) including a new species description and their potential use as pest control agents. *European Journal of Protistology* 60: 60-67, 2 figs.
- Rydell, J., Bogdanowicz, W., Boonman, A., Pettersson, S., Suchecka, E. & Pomorski, J. J. 2016. Bats may eat diurnal flies that rest on wind turbines. *Mammalian Biology* 81(3): 331-339. **(Only abstract seen).**
- Sabu, T. K., Shiju, R. T., Vinod, K. V. & Nithya, S. 2011. A comparison of the pitfall trap, Winkler extractor and Berlese funnel for sampling ground-dwelling arthropods in tropical montane cloud forests. *Journal of Insect Science* 11: article no. 28. **(Only abstract seen).**
- Saeed, N., Wakil, W., Farooq, M., Shakeel, M., Arain, M. S. & Shakeel, Q. 2020. Evaluating the combination of *Metarhizium anisopliae* and an enhanced form of diatomaceous earth (Grain-Guard) for the environmentally friendly control of stored grain pests. *Environmental Monitoring and Assessment* 192(4), article number 210. **(Only abstract seen).**
- Saenz Manchola, O. F., Gonzalez Obando, R. & Garcia Aldrete, A. N. 2014. Ectopsocidae (Psocodea: 'Psocoptera') from Valle del Cauca and NNP Gorgona, Colombia. *Zootaxa* 3786 (5): 523-540, 46 figs.
- Saenz Manchola, O. F., Garcia Aldrete, A. N. & Gonzalez Obando, R. 2015. New species of *Lachesilla* Westwood in the *pedicularia* group (Psocodea: 'Psocoptera': Lachesillidae) from the Colombian Amazonia. *Zootaxa* 3915(4): 510-520, 23 figs.
- Saenz Manchola O. F., Gonzalez Obando, R., Garcia Aldrete, A. N. 2018. The genus *Waoraniella* Garcia Aldrete (Lachesillidae: Eolachesillinae: Waoraniellini) in Colombia: Two new species from the Andean region. *Zootaxa* 4374(2): 283-293, 31 figs.
- Saenz Manchola, O. F., Garcia Aldrete, A. N. & Gonzalez Obando, R. 2019. Phylogenetic analysis of *Lachesilla* Westwood (Psocodea: Psocomorpha: Lachesillidae) and relationships of sister genera of the subfamily Lachesillinae. *Zootaxa* 4691 (2): 101-124, 65 figs.
- Salcedo, M. K., Hoffmann, J., Donoughe, S. & Mahadevan, L. 2019. Computational analysis of size, shape and structure of insect wings. *The Company of Biologists, Biology Open* (2019) 8, bio040774, doi:10.1242/bio.040774. (Psoc. mentioned in Table 1).
- Salmela, J. *et al.* 2015. Malaise-pyynti Lapin suojelualueilla 2012-2014. *Metsähallitus, Vantaa*, 143 pp. (Psoc.: pp. 17-18, 34-35, 89).
- Sandoval Arango, S., Gonzalez Obando, R. & Garcia Aldrete, A. N. 2016. New species of *Graphocaecilius* Enderlein (Psocodea: 'Psocoptera': Lachesillidae) from Colombia. *Zootaxa* 4147(4): 421-432, 28 figs.
- Sandoval Arango, S., Gonzalez Obando, R. & Garcia Aldrete, A. N. 2017. New species of *Prolachesilla* Mockford & Sullivan (Psocodea: 'Psocoptera': Lachesillidae: Graphocaeciliini) from Bolivia and Mexico. *Zootaxa* 4244(3): 440-450, 26 figs.
- Sarria Sarria, F. A. 2011. Psocopteros (Insecta: 'Psocoptera') de cuatro biotopos del Parque Nacional Natural Gorgona (Cauca, Colombia). *BSc thesis, Facultad de Ciencias Naturales y Exactas, Programa Academico de Biologia, Universidad Del Valle, Santiago de Cali, Colombia*, xii+63 pp. (Unpublished).
- Sarria Sarria, F., Gonzalez Obando, R. & Garcia Aldrete, A. N. 2014a. Psocoptera (Insecta: Psocodea) from the National Natural Park Gorgona, Cauca, Colombia. *Revista de Biologia Topical* 62 (Suppl. 1): 243-256.
- Sarria Sarria, F., Garcia Aldrete, A. N. & Gonzalez Obando, R. 2014b. Diversidad de Psocoptera (Insecta: Psocodea) en el Parque Nacional Natural Gorgona (Oceano Pacifico, Colombia). *Revista de Biologia Topical* 62 (Suppl. 1): 257-264.
- Scheven, J. 2004. Bernstein-Einschlüsse. Eine untergegangene Welt bezeugt die Schöpfung. Erinnerungen an die Welt vor der Sintflut. *Kuratorium Lebendige Vorwelt, Hofheim a. T.*, 160 pp. (Psoc.: pp. 9, 32-33, 116-118).
- Schmidt, A. R., Kaulfuss, U., Bannister, J. M., Baranov, V., Beimforde, C., Bleile, N., Borkent, A., Busch, A., Conran, J. G., Engel, M. S., Harvey, M., Kennedy, E. M., Kerr, P., Kettunen, E., Kiecksee, A. P., Lengeling, F., Lindqvist, J. K., Maraun, M., Mildenhall, D. C., Perrichot, V., Rikkinen, J., Sadowski, E.-M., Seyfullah, L. J., Stebner, F., Szwedlo, J., Ulbrich, P. & Lee, D. E. 2018. Amber inclusions from New Zealand. *Gondwana Research* 56: 135-146.

- Schmidt, C. 2015. Staubläuse (Psocodea, 'Psocoptera') in Sachsen. *Sächsische Entomologische Zeitschrift* 8: 146-192, 13 figs.
- Schneider, N. & Hollier, J. 2018. Charles Lienhard at 70. *Alpine Entomology* 2: 151-154, 1 fig. (published online 20 November 2018).
- Schneider, N. & Weber, D. 2013. Staubläuse (Insecta, Psocodea, 'Psocoptera') aus Höhlen des Grossherzogtums Luxemburg. *Ferrantia* 69: 258-263, 10 figs.
- Schneider, N., Zaenker, S. & Dorow, W. H. O. 2012. Staubläuse (Psocodea, 'Psocoptera') aus zoologischen Untersuchungen in Hessen und den angrenzenden Gebieten. *Hessische Faunistische Briefe* 31(1-2): 1-30, 6 figs.
- Schoelitz, B. 2013. Vreemde eetgewoonten. *Entomologische Berichten* 73(6): 225, 2 figs.
- Schubnel, T., Roberts, D., Roques, P., Garrouste, R., Desutter-Grandcolas, L. & Nel, A. 2019. Moscovian fossils shed light on the enigmatic polyneopteran families Cacurgidae and Eoblattidae (Insecta: 'Eoblattida', Archaeorthoptera). *Journal of Systematic Palaeontology*, 13 pp., published online 9 July 2019.
- Shcherbakov, D. E. 2012. More on Mesozoic Membracoidea (Homoptera). *Russian Entomological Journal* 21(1): 15-22.
- Shi Yan, Chu Qing, Wei Dan-Dan, Qiu Yuan Jian, Shang Feng, Dou Wei & Wang Jin-Jun 2016. The mitochondrial genome of booklouse, *Liposcelis sculptilis* (Psocoptera: Liposcelididae) and the evolutionary timescale of *Liposcelis*. *Scientific Reports* 6: 30660, 11 pp., 6 figs (Supplementary information: 4 pp., 2 figs).
- Shreve, S. M. & Johnson, K. P. 2014. Population genetics of bisexual and unisexual populations of the scaly-winged bark louse *Echmepteryx hageni* (Insecta: Psocoptera). *Genetica* 142: 405-418, 2 figs.
- Shreve, S. M., Mockford, E. L. & Johnson, K. P. 2011. Elevated genetic diversity of mitochondrial genes in asexual populations of bark lice ('Psocoptera': *Echmepteryx hageni*). *Molecular Ecology* 20: 4433-4451, 6 figs.
- Sikes, D. S. & Callegari, K. 2020. Interior ecosystem in the subantarctic: wild living arthropod biodiversity in the University of Alaska Museum, Fairbanks, Alaska, United States of America. *Canadian Entomologist* 152(6): 802-814. **(Only abstract seen)**.
- Silfverberg, H. 2012. Changes 2006-2010 in the list of Finnish insects. *Entomologica Fennica* 23: 18-41. (Psoc.: p. 19).
- Silva Ferreira, A., Araujo, M. X., Vilarinho, N. T., Silva-Neto, A. M. & Bravo, F. 2020. Catalogue of type specimens of Insecta (Arthropoda: Hexapoda) deposited in the entomological collection of the Museum of Zoology of Universidade Estadual de Feira de Santana, Brazil. *Zootaxa* 4728 (4): 501-546.
- Silva Neto, A. M. 2017. Taxonomia e filogenia de Ptiloneuridae com ênfase em *Triplocania* Roesler, 1940 (Psocodea: 'Psocoptera': Epipsocetae). Instituto Nacional de Pesquisas da Amazonia - INPA. Programa de Pós-Graduação em Entomologia. Manaus, Amazonas, Março de 2017. XV + 274 pp. [Doctoral thesis based on several papers previously published by A. M. Silva Neto and co-authors].
- Silva Neto, A. M. da & Garcia Aldrete, A. N. 2012. A new species of *Spurostigma* Eertmoed (Psocodea: 'Psocoptera': Spurostigmatidae) from Brazil. *Zootaxa* 3501: 83-87, 12 figs.
- Silva Neto, A. M. da & Garcia Aldrete, A. N. 2015. A new genus of the family Ptiloneuridae (Psocodea: 'Psocoptera': Psocomorpha: Epipsocetae) from Brazil. *Zootaxa* 3914(2): 168-174, 14 figs.
- Silva Neto, A. M. da & Garcia Aldrete, A. N. 2016 (and updates). Psocoptera. In: Catálogo Taxonômico da Fauna do Brasil (CTFB). Taxonomic Catalog of the Brazilian Fauna (TCBF). *Online database*.
- Silva-Neto, A. M., Garcia Aldrete, A. N. 2019. *Triplocania* Roesler, 1940: new record for *Triplocania rosae* Sila-Neto, Garcia Aldrete & Rafael, 2016 and proposal of a new infrageneric group (Psocodea, 'Psocoptera', Ptiloneuridae). *Entomological Communications* 1, 2019: ec01005, 3 pp., 14 figs.
- Silva-Neto, A. M., Garcia Aldrete, A. N. 2020. A checklist of 'Psocoptera' (Psocodea) from Brazil: an update to the list of 2009 of Garcia Aldrete and Mockford, with an identification key to the families. *Papeis Avulsos de Zoologia*, 2020, v.60: e20206029, 14 pp., 4 figs.

- Silva-Neto, A. M., Bravo, F. & Garcia Aldrete, A. N. 2013. Primeiro registro de *Ectopsocus titschacki* Jentsch (Psocodea: Psocoptera: Ectopsocidae) para o estado da Bahia: uma prova de falta de estudos nessa ordem de Insecta no Brasil. *EntomoBrasilis* 6(1): 86-88, 2 figs. doi:10.12741/ebrasilis.v6i1.198
- Silva Neto, A. M. da, Bravo, F. & Garcia Aldrete, A. N. 2014a. Psocideos (Psocodea: 'Psocoptera') do Semiárido: uma diversidade subestimada (Capítulo 10, pp. 117-126). In: Bravo, F. & Calor, A. (eds). Artropodes do Semiárido, biodiversidade e conservação. *Feira de Santana, Printmidia*, 298 pp.
- Silva Neto, A. M. da, Rafael, J. A. & Garcia Aldrete, A. N. 2014b. New species of *Triplocania* Roesler with forewing M3 forked (Psocodea: 'Psocoptera': Ptiloneuridae), from Brazil. *Zootaxa* 3838 (1): 77-86, 29 figs.
- Silva Neto, A. M. da, Rafael, J. A. & Garcia Aldrete, A. N. 2015. New species of *Triplocania* Roesler (Psocodea, 'Psocoptera', Ptiloneuridae), from Brazil and Ecuador. *ZooKeys* 505: 103-116, 33 figs.
- Silva Neto, A. M. da, Garcia Aldrete, A. N. & Rafael, J. A. 2016a. A new species of *Brasineura* Silva-Neto & Garcia Aldrete (Psocodea, 'Psocoptera', Ptiloneuridae), with comments on morphological variation in *B. troglophilica* and a revised generic diagnosis. *Zootaxa* 4085(3): 445-450, 13 figs.
- Silva Neto, A. M. da, Garcia Aldrete, A. N. & Rafael, J. A. 2016b. Twelve new species of *Triplocania* Roesler (Psocodea: 'Psocoptera': Ptiloneuridae), from South America. *Zootaxa* 4109(3): 251-283, 138 figs.
- Silva Neto, A. M. da, Garcia Aldrete, A. N. & Rafael, J. A. 2016c. Phylogenetic relationships of the genera of Ptiloneuridae (Psocodea, 'Psocoptera', Epipsocetae) and a test on the monophyly of *Brasineura* Silva-Neto & Garcia Aldrete and *Loneuroides* Garcia Aldrete. *Zootaxa* 4150(1): 73-84, 37 figs.
- Silva Neto, A. M. da, Garcia Aldrete, A. N. & Rafael, J. A. 2016d. A new species of *Timnewia* Garcia Aldrete (Psocodea: 'Psocoptera': Ptiloneuridae), from Brazil. *Zootaxa* 4173(5): 489-495, 19 figs.
- Silva-Neto, A. M., Garcia Aldrete, A. N. & Rafael, J. A. 2016e. A storage method for 'Psocoptera' (Insecta: Psocodea) in "CD Box". *EntomoBrasilis* 9(3): 220-223, 17 figs.
- Silva Neto, A. M. da, Garcia Aldrete, A. N. & Rafael, J. A. 2018a. Two new species of *Brasineura* Silva-Neto & Garcia Aldrete (Psocodea, 'Psocoptera', Ptiloneuridae), from Brazil. *Zootaxa* 4388(4): 547-556, 32 figs.
- Silva Neto, A. M. da, Garcia Aldrete, A. N. & Rafael, J. A. 2018b. After seventy-seven years *Ptiloneuropsis* Roesler (Psocodea: Psocomorpha: Ptiloneuridae) ceases to be a monotypic genus: a new species from Bahia, Brazil. *Zootaxa* 4388(4): 567-574, 20 figs.
- Silva Neto, A. M. da, Garcia Aldrete, A. N. & Rafael, J. A. 2018c. *Loneuroides* Garcia Aldrete (Psocodea: 'Psocoptera': Ptiloneuridae): new species and first record for Brazil. *Papeis Avulsos de Zoologia* 58: e20185819 (4 pp., 9 figs).
- Silva Neto, A. M. da, Garcia Aldrete, A. N. & Rafael, J. A. 2018d. *Triplocania* Roesler: a new species, redescription, description of the female of *Triplocania spinosa* Mockford, and revalidation of the original combination of *Belicania cervantesi* (Garcia Aldrete) (Psocodea: 'Psocoptera': Ptiloneuridae). *Papeis Avulsos de Zoologia* 58: e20185821 (11 pp., 41 figs).
- Silva Neto, A. M., Garcia Aldrete, A. N. & Rafael, J. A. 2019a. New species of *Euplocania* Enderlein (Psocodea, 'Psocoptera', Ptiloneuridae) from Brazil, with a checklist of all known species of the genus. *Zootaxa* 4550 (3): 374-390, 53 figs.
- Silva Neto, A. M., Garcia Aldrete, A. N. & Rafael, J. A. 2019b. Catalogue of Psocoptera (Insecta: Psocodea) types housed in the collection of the Museu de Zoologia da Universidade de São Paulo. *Papeis Avulsos de Zoologia* 2019, vol. 59: e20195930, 11 pp.
- Silva Neto, A. M., Moreira de Castro, M. C. & Rafael, J. A. 2020. Two new species of *Triplocania* Roesler (Psocodea: 'Psocoptera': Ptiloneuridae), from Ecuador. *Dugesiana* 27(2): 159-165, 27 figs.
- Simões, M. H., Souza-Silva, M. & Ferreira, R. L. 2015. Cave physical attributes influencing the structure of terrestrial invertebrate communities in Neotropics. *Subterranean Biology* 16: 103-121.

- Simon, S. & Hadrys, H. 2013. A comparative analysis of complete mitochondrial genomes among Hexapoda. *Molecular Phylogenetics and Evolution* 69: 393-403.
- Sloan, N. S. & Simmons, L. W. 2019. The evolution of female genitalia. *Journal of Evolutionary Biology* 32: 882-899. (Psoc.: Reversed mating roles in *Neotrogla* and *Afrotrogla* mentioned).
- Smith, V. S., Ford, T., Johnson, K. P., Johnson, P. C. D., Yoshizawa, K. & Light, J. E. 2011. Multiple lineages of lice pass through the K-Pg boundary. *Biology Letters* 7(5): 782-785, 1 fig. (October 23, 2011; published online 6 April 2011). Doi: 10.1098/rsbl.2011.0105
- Smithers, A. S. 2012. Courtenay Smithers – Before Australia. *Australian Entomologist* 39(4): 211-220, 5 figs.
- Smithers, C. N. 2010. Order Psocoptera: Psocids, booklice, barklice [pp. 234 (summary), 289-294, 407 (checklist, abbreviations explained on p. 396)]. In: Gordon, D. P. (ed.). New Zealand Inventory of Biodiversity. Vol. 2. Kingdom Animalia: Chaetognatha, Ecdysozoa, Ichnofossils. *Canterbury University Press, Christchurch, New Zealand*, 528 pp.
- Soares, C. E. S., Maiorka, A., Dahlke, F. & Scussel, V. M. 2019. Scanning electron microscopy of macrofauna isolated from poultry litter: No pesticide treated. *IOSR Journal of Engineering* 9 (9): 82-91, 8 figs. (Psoc.: *Liposcelis* sp., see p. 86 and Fig. 5).
- Soffan, A., Subandiyah, S., Makino, H., Watanabe, T. & Horike, T. 2018. Evolutionary analysis of the highly conserved insect odorant coreceptor (orco) revealed a positive selection mode, implying functional flexibility. *Journal of Insect Science* 18(6): article 18. **(Only abstract seen)**.
- Solowiow, P. 1924d. Die Totenuhr – *Atropos pulsatoria* L. *Entomologische Zeitschrift*, Frankfurt a. M. 38(10/11): 21-22.
- Song Fan, Li Hu, Lin Guo-Hua, Wang Wei, James, P., Colwell, D. D., Tran, A., Gong Siyu, Cai Wanzhi & Shao Renfu 2019. Mitochondrial genome fragmentation unites the parasitic lice of Eutherian Mammals. *Systematic Biology* 68 (3): 430-440, 2 figs.
- Souza-Silva, M. & Ferreira, R. L. 2015. Cave invertebrates in Espirito Santo state, Brazil: a primary analysis of endemism, threats and conservation priorities. *Subterranean Biology* 16: 79-102.
- Souza Silva, M., Moretti Iniesta, L. F. & Lopes Ferreira, R. 2020. Invertebrates diversity in mountain Neotropical quartzite caves: which factors can influence the composition, richness, and distribution of the cave communities? *Subterranean Biology* 33: 23-43. [Psoc. mentioned in Table 2: p. 32].
- Soysouvanh, P., Cho, G. & Hong, K.-J. 2017. Taxonomic review of the psocids (Psocoptera) in Korea. *Korean Journal of Applied Entomology* 56(1): 69-76, 35 figs.
- Sroka, P. & Nel, A. 2017. New species of Compsocidae (Insecta, Psocodea) from Cretaceous Burmese amber. *Zootaxa* 4320(3): 597-600, 10 figs.
- Stejskal, V., Hubert, J., Aulicky, R. & Kucerova, Z. 2015. Overview of present and past and pest-associated risks in stored food and feed products: European perspective. *Journal of Stored Products Research* 64: 122-132.
- Stejskal, V., Vendl, T., Li Zhiong Li & Aulicky, R. 2019. Minimal thermal requirements for development and activity of stored product and food industry pests (Acari, Coleoptera, Lepidoptera, Psocoptera, Diptera and Blattodea): A Review. *Insects* 2019, 10, 149: 26 pp.; doi:10.3390/insects10050149. (Psoc.: especially Table 4).
- Stiegel, S., Korfhage, A. & Mantilla-Contreras, J. 2020. Does the shrub layer act as an intermediary? Effects on abundance of insects and abundances of particular insect orders caught flying in the canopies of deciduous forests in Central Germany. *European Journal of Entomology* 117: 409-419. **(Only abstract seen)**.
- Stigenberg, J., Boring, C. A. & Ronquist, F. 2015. Phylogeny of the parasitic wasp subfamily Euphorinae (Braconidae) and evolution of its host preferences. *Systematic Entomology* 40(3): 570-591. **(Only abstract seen)**.
- Stoaks, R. 2009. Rare and unusual arthropod ecology, behavior and occurrence at hummingbird feeders in northern California. *Pan-Pacific Entomologist* 85(4): 194-198. **(Only abstract seen)**.

- Stork, N. E. 2018. How many species of insects and other terrestrial arthropods are there on Earth? *Annual Review of Entomology* 63: 31-45. (Psoc., p. 42: 5720 described spp., according to Zhang, Z.-Q. 2011).
- Studinski, J. M. & Hartman, K. J. 2015. The effects of riparian logging on terrestrial invertebrate inputs into forested headwater streams. *Hydrobiologia* 743(1): 189-198. **(Only abstract seen)**.
- Sun En-Tao, Wang Yi-Nan, Wang Kang, Xu Shu-Jun, Nan Dan-Yang, Chen Wen-Jie & Zhang Ying-Ying 2017. Assessment of genetic diversity and differentiation of *Liposcelis bostrychophila* (Psocoptera: Liposcelidae) in China using inter-simple sequence repeat (ISSR) fingerprinting. *Applied Entomology and Zoology* 52(2): 241-246. **(Only abstract seen)**.
- Sundukov, Y. N., Sundukova, L. A. & Orlov, N. L. 2020. Food composition of the Far Eastern skinks (*Plestiodon finitimus*) on the Kunashir Island (Kuril Islands, Russian Far East). *Russian Journal of Herpetology* 27(5): 303-306. **(Only abstract seen)**.
- Svensson, B. W. 2015. Psocodea (bark/dust/book lice and their parasitic relatives). Generalities and non-parasitic taxa (pp. 85-88, 1 fig.). In: Böcher, J., Kristensen, N. P., Pape, T. & Vilhelmsen, L. (eds). The Greenland entomofauna. An identification manual of insects, spiders and their allies. *Fauna Entomologica Scandinavica* 44: xv+881 pp.
- Sziraki, G. 2013. Data to the Psocoptera fauna of Balkan Peninsula and two Aegean islands. *Folia Historico Naturalia Musei Matraensis* 37: 65-70.
- Sziraki, G. 2016. Data on knowledge of Psocoptera and Neuropterida in Salaj County. *Studia Universitatis Vasile Goldis, Seria Stiintele Vietii* 26(1): 125-127.
- Tamm, J. C. 1982. Das jahresperiodisch trockenliegende Eulitoral der Edertalsperre als Lebens- und Ersatzlebensraum – Eine Ökosystemstudie mit terrestrischem Schwerpunkt – Teil II: Die terrestrische Fauna. *Archiv für Hydrobiologie*, Supplementband 64, Heft 4: 484-553. (Psoc.: pp. 533-535).
- Taylor, C. K. 2013. The genus *Lithoseopsis* (Psocodea: Amphientomidae) in the Western Australian fauna, with description of the male of *Lithoseopsis humphreysi* from Barrow Island. *Records of the Western Australian Museum, Supplement* 83: 245-252, 2 figs.
- Tezcan, S. 2020. Analysis of the insect fauna of Turkey and suggestions for future studies. *Munis Entomology & Zoology* 15(2): 690-710. [Psoc. families mentioned on pp. 693, 697, 699; no species explicitly mentioned].
- Thapa, R., Wongsiri, S., Lee, M. L. & Choi, Y.-S. 2013. Predatory behaviour of pseudoscorpions (*Ellingsenius indicus*) associated with Himalayan *Apis cerana*. *Journal of Apicultural Research* 52(5), article number UNSP 52.5.58. DOI: 10.3896/IBRA.1.52.5.08. **(Only abstract seen)**.
- Thepparit, C., Sunyakumthorn, P., Guillotte, M. L., Popov, V. L., Foil, L. D. & Macaluso, K. R. 2011. Isolation of a rickettsial pathogen from a non-hematophagous arthropod. *Plos One* 6(1): article no. e16396. **(Only abstract seen)**.
- Thomas, H. 2011. *Myopsocus eatoni* McLachlan (Psocoptera, Myopsocidae). La boîte à bonnes bêtes no. 39. *Bulletin de la Société Linnéenne de Bordeaux* 146, (N. S.) no. 39(1): 50.
- Throne, J. E. & Flinn, P. W. 2013. Distribution of psocids (Psocoptera) in temperature gradients in stored wheat. *Journal of Stored Products Research* 55: 27-31. **(Only abstract seen)**.
- Toledo, A. V., Simurro, M. E. & Balatti, P. A. 2013. Morphological and molecular characterization of a fungus, *Hirsutella* sp., isolated from planthoppers and psocids in Argentina. *Journal of Insect Science* (Tucson) 13: 1-11. **(Only abstract seen)**.
- Triapitsyn, S. V. 2017. Revision of *Alaptus* (Hymenoptera: Mymaridae) in the Holarctic region, with taxonomic notes on some extralimital species. *Zootaxa* 4279(1): 1-92.
- Turienzo, P. & Di Iorio, O. 2007. Insects found in birds' nests from Argentina. Part I: a bibliographical review, with taxonomical corrections, comments and a hypothetical mechanism of transmission of cimicid bugs. *Zootaxa* 1561:1-52. (Psoc.: pp. 10, 37; some undetermined psocids mentioned).
- Turner, B. 2020. Obituary – Edward Broadhead (8th January 1920 - 29th October 2018). *Psocid News* 22: 1-3, 2 figs.
- Uhey, D. & Kendall, D. 2020. Third known locality for the booklouse *Speleketor flocki* Gurney

- found in Big Gypsum Valley, Colorado. *Southwestern Entomologist* 45(1): 297-299, 1 fig.
- Valbuza, M. F., Campos, A. E. C. & Potenza, M. R. 2017. Conhecimento atual sobre Psocoptera (Psocodea) no ambiente de armazenamento de grãos e alimentos industrializados. *Biológico, São Paulo* 79(1): 1-8. (In Portuguese, with English abstract).
- Valbuza, M. F. *et al.*, 2018. See Fonseca Valbuza, M. da, *et al.*, 2018.
- Van Zuijlen, J. W. A. 2010. 'Psocoptera', stofluizen (pp. 210-211, 2 figs). *In: Noordijk, J., Kleukers, R. M. J. C., van Nieuwerkerken, E. J. & van Loon, A. J. (eds). De Nederlandse biodiversiteit. Nederlandse Fauna 10, Nederlands Centrum voor Biodiversiteit Naturalis & European Invertebrate Survey - Nederland, Leiden, 510 pp.*
- Van Zuijlen, J. W. A. & Belgers, J. D. M. 2011. De stofluis *Philotarsus parviceps* nieuw voor Nederland (Psocoptera: Philotarsidae). *Entomologische Berichten* 71(2): 46-49, 5 figs.
- Varkonyi, G. & Lienhard, C. 2011. Taxonomy, habitat choice and distribution of *Kimunpsocus flavonimbatus* (Rostock, 1879) comb. n. (Psocodea: 'Psocoptera': Psocidae). *Entomologica Fennica* 22: 97-105, 4 figs.
- Veraldi, S., Brena, M. & Süß, L. 2019. Occupational allergy to Psocoptera species. *Contact Dermatitis* 81: 306-307.
- Verhoeve, V. I., Jirakanwisal, K., Utsuki, T. & Macaluso, K. R. 2016. Differential rickettsial transcription in bloodfeeding and non-bloodfeeding arthropod hosts. *PLOS ONE* 11(9): article no. e0163769. **(Only abstract seen)**.
- Vershinina, A. O. & Kuznetsova, V. G. 2016. Parthenogenesis in Hexapoda: Entognatha and non-holometabolous insects. *Journal of Zoological Systematics and Evolutionary Research* 54(4): 257-268. (Psoc.: pp. 262-263).
- Vinasco-Mondragon, A. F., Gonzalez-Obando, R. & Garcia-Aldrete, A. N. 2018. The species group *Amabilis* of the genus *Euplocania* Enderlein (Psocodea: Psocomorpha: Ptiloneuridae). *Zootaxa* 4444(1): 43-65, 67 figs.
- Wagan, T. A., Cai, W-L., Hua, H-X., Yang, S., Wang, P. & Gao, G-L. 2017. The effects of transgenic Bt rice on arthropod community structure during storage. *African Entomology* 25(2): 328-334. **(Only abstract seen)**.
- Wakefield, A., Broyles, M., Stone, E. L., Harris, S. & Jones, G. 2018. Quantifying the attractiveness of broad-spectrum street lights to aerial nocturnal insects. *Journal of Applied Ecology* 55(2): 714-722. **(Only abstract seen)**.
- Wakil, W. & Yasin, M. 2013. First report of rusty grain beetle and psocids infesting stored wheat in Punjab, Pakistan. *International Journal of Agriculture & Applied Sciences* 5(2): 39-40.
- Walker, M. K., Howlett, B. G., Wallace, A. R., McCallum, J. A. & Teulon, D. A. J. 2011. The diversity and abundance of small arthropods in onion, *Allium cepa*, seed crops, and their potential role in pollination. *Journal of Insect Science* 11: article no. 98. **(Only abstract seen)**.
- Walton, B. M. 2013. Top-down regulation of litter invertebrates by a terrestrial salamander. *Herpetologica* 69(2): 127-146. **(Only abstract seen)**.
- Wang Juanjuan, Guo Dongquan, Fan Jialin, Chen Yuntang, Zhang Jianwei, Yang Baoan & Li Xuzhao 2012. Survival and reproduction of *Liposcelis paeta* (Pearman) (Psocoptera: Liposcelididae) when irradiated by electron beams. *Entomological Science* 15: 63-67.
- Wang Ke-Xia, Zhan Xiao-Dong, Huang Yue-E, Guo Wei & Li Chao-Pin 2014. Investigation on the species of booklice breeding in the stored Chinese root-stock medicinal materials. *Huanjing Kunchong Xuebao* 36(4): 644-648. **(Only abstract seen)**.
- Wang Ruiqian, Yao Yunzhi, Ren Dong & Shih Chungkun 2019a. Psocoptera - Barklice and Booklice (pp. 185-188, 1 fig.). *In: Ren Dong, Shih Chungkun, Gao Taiping, Wang Yongjie & Yao Yunzhi (eds). Rhythms of insect evolution: Evidence from the Jurassic and Cretaceous in Northern China. First Edition. JohnWiley & Sons.*
- Wang Ruiqian, Li Sheng, Ren Dong & Yao Yunzhi 2019b. New genus and species of the Psyllipsocidae (Psocodea: Trogiomorpha) from mid-Cretaceous Burmese amber. *Cretaceous Research* 104 (2019) 104178; 5 pp., 4 figs.
- Wang Xiaoyi, Yang Zhongqi, Wei Ke & Tang Yanlong 2015. Mechanisms of phenotypic plasticity for wing morph differentiation in insects. *Acta Ecologica Sinica* 35(12): 3988-3999. (In Chinese, with English abstract). **(Only abstract seen)**.

- Wang Yang, Guo Shanshan, Cao Juqin, Pang Xue, Zhang Zhe, Chen Zhenyang, Zhou Yang, Geng Zhufeng, Sang Yuli & Du Shushan 2018. Toxic and repellent effects of volatile phenylpropenes from *Asarum heterotropoides* on *Lasioderma serricorne* and *Liposcelis bostrychophila*. *Molecules* 23(9): article 2131. **(Only abstract seen)**.
- Wang Yang, Zhang Li-Ting, Feng Yi-Xi, Zhang Di, Guo Shan-Shan, Pang Xue, Geng Zhu-Feng, Xi Chao & Du Shu-Shan 2019. Comparative evaluation of the chemical composition and bioactivities of essential oils from four spice plants (Lauraceae) against stored-product insects. *Industrial Crops and Products* 140, article number UNSP 111640. **(Only abstract seen)**.
- Wang Yinan, Sun Entao, Wang Wenlian, Wang Kang, Wang Huan & Ge Mengkai 2016. Effects of habitat fragmentation on genetic diversity and population differentiation of *Liposcelis bostrychophila* Badonnel (Psocoptera: Liposcelididae) as revealed by ISSR markers. *Journal of Stored Products Research* 68: 80-84. **(Only abstract seen)**.
- Wasserstrom, H., Whitford, W. G. & Steinberger, Y. 2016. Spatiotemporal variations of soil microarthropod communities in the Negev desert. *Pedosphere* 26(4): 451-461. **(Only abstract seen)**.
- Wei Dan-Dan, Yuan Ming-Long, Wang Zhi-Ying, Wang De, Wang Bao Jun, Dou Wei & Wang Jin-Jun 2011. Sequence analysis of the ribosomal internal transcribed spacers region in psocids (Psocoptera: Liposcelididae) for phylogenetic inference and species discrimination. *Journal of Economic Entomology* 104(5): 1720-1729. **(Only abstract seen)**.
- Wei, D. D., Yuan, M. L., Wang, B. J., Zhou, A. W., Dou, W. & Wang, J. J. 2012a. Population genetics of two asexually and sexually reproducing psocids species inferred by the analysis of mitochondrial and nuclear DNA sequences. *PLoS One*. 2012;7(3):e33883. Epub 2012 Mar 27. **(Only abstract seen)**.
- Wei, D. D., Shao, R., Yuan, M. L., Dou, W., Barker, S. C. & Wang, J. J. 2012b. The multipartite mitochondrial genome of *Liposcelis bostrychophila*: insights into the evolution of mitochondrial genomes in bilateral animals. *PLoS One*. 2012;7(3):e33973. Epub 2012 Mar 30. **(Only abstract seen)**.
- Wei Dan-Dan, Chen Er-Hu, Ding Tian-Bo, Chen Shi-Chun, Dou Wei & Wang Jin-Jun 2013. De novo assembly, gene annotation, and marker discovery in stored-product pest *Liposcelis entomophila* (Enderlein) using transcriptome sequences. *PLoS One* 8(11). DOI: 10.1371/journal.pone.0080046. **(Only abstract seen)**.
- Wei Dan-Dan, Shao Ren-Fu, Chen Shi-Chun & Wang Jin-Jun 2014. Progress in mitochondrial genome diversity and phylogeny of Psocodea. *Acta Entomologica Sinica* 57(4): 483-494. **(Only abstract seen)**.
- Wei Dan Dan, Lang Ning, Jing Tian Xing, Dou Wie & Wang Jin Jun 2018. Molecular mechanisms of metabolic resistance in booklice (Psocoptera: Liposcelididae). *12th International Working Conference on Stored Product Protection (IWCSPP) in Berlin, Germany, October 7-11, 2018. Julius-Kühn-Archiv* 463: 642.
- Wei Dan-Dan, He Wang, Miao Zhe-Qing, Tu Yan-Qing, Wang Lei, Dou Wei & Wang Jin-Jun 2020. Characterization of esterase genes involving malathion detoxification and establishment of an RNA interference method in *Liposcelis bostrychophila*. *Frontiers in Physiology* 11, article number 274. **(Only abstract seen)**.
- Welch, R. C. 2012. Two unusual Psocoptera: *Pteroxanium kelloggi* (Ribaga) and *Badonnelia titei* Pearman indoors in Northamptonshire. *Entomologist's Record and Journal of Variation* 124(4): 178-179. **(Not seen)**.
- Westwood, J. O. 1854. Contribution to fossil entomology. *The Quarterly Journal of the Geological Society of London* 10: 378-396. [*Cicadellium dipsas* Westwood: p. 382 (locality data), p. 383 (wing mentioned as belonging to Cicadellinae), Plate 15: Fig. 6 (upper left hand figure), legend to this figure on p. 394]. NOTE: This is a completed version of the reference noted in Part 13 of the Additions).
- Whitfield, J. B. & Purcell, A. H. 2013. Daly and Doyen's introduction to insect biology and diversity. Third edition. *Oxford University Press, New York & Oxford*, i-xiii, 1-734. **(Not seen)**.

- Willig, J. 2002. Natürliche Entwicklung von Wäldern nach Sturmwurf – 10 Jahre Forschung im Naturwaldreservat Weiherkopf. *Mitteilungen der Hessischen Landesforstverwaltung* 38: 1-185. (Psoc.: p. 3 of Appendix).
- Wipfler, B. & Pass, G. 2014. Antennal heart morphology supports relationship of Zoraptera with polyneopteran insects. *Systematic Entomology* 39(4): 800-805, 3 figs.
- Wolf, P., Siesenop, U., Verspohl, J. & Kamphues, J. 2014. Hygienic quality of feedstuffs for small mammals sent to the consultation service. *Tierärztliche Praxis, Ausgabe Kleintiere Heimtiere* 42(2): 101-106. **(Only abstract seen).**
- Woodward, S. F. 2015. Barkfly *Blaste quadrimaculata* (Latreille) (Pso.: Psocidae) on Leicestershire churches. *The Entomologist's Record and Journal of Variation* 127: 17, 1 fig.
- Wu Yan, Zhang Wen-Juan, Wang Ping-Juan, Yang Kai, Huang Dong-Ye, Wei Jian-Yu, Tian Zhao-Fu, Bai Jia-Feng & Du Shu-Shan 2015. Contact toxicity and repellency of the essential oil of *Liriope muscari* (Decn.) Bailey against three insect tobacco storage pests. *Molecules* 20(1): 1676-1685. **(Only abstract seen).**
- Wynne, J. J., Bernard, E. C., Howarth, F. G., Sommer, S., Soto-Adames, F. N., Taiti, S., Mockford, E. L., Horrocks, M., Pakarati, L. & Pakarati-Hotus, V. 2014. Disturbance relicts in a rapidly changing world: the Rapa Nui (Easter Island) factor. *BioScience* 64(8): 711-718, 2 figs.
- Xu Si-Yuan, Yi Tian-Ci & Jin Dao-Chao 2017. A new species of larval *Marantelophus* (Acari: Prostigmata: Erythraeidae) parasitic on insects from China. *Systematic and Applied Acarology* 22(7): 1012-1021. **(Only abstract seen).**
- Yamada, H., Kraupa, C., Lienhard, C., Parker, A. G., Maiga, H., de Oliveira Carvalho, D., Zheng Minlin, Wallner, T. & Bouyer, J. 2019. Mosquito mass rearing: who's eating the eggs? *Parasite* 26, 75 (2019), 4 pp. 4 figs.
- Yang Kai, Guo Shan-Shan, Geng Zhu-Feng, Du Shu-Shan, Wang Cheng-Fang & Deng Zhi-Wei 2015a. Contact toxicity and repellency of the essential oil of *Dictamnus dasycarpus* roots from China against two stored-product insects. *Chemistry & Biodiversity* 12(6): 980-986. **(Only abstract seen).**
- Yang Kai, Guo Shan Shan, Zhang Wen Juan, Wang Cheng Fang, Han Jiao, Geng Zhu Feng, Wu Yan, Du Shu Shan & Deng Zhi Wei 2015b. Repellent activity of *Glycosmis* plant extracts against two stored product insects. *Boletín Latinoamericano y del Caribe de Plantas Medicinales y Aromaticas* 14(6): 462-469. **(Only abstract seen).**
- Yang Qianqian, Kucerova, Z., Li Zhihong, Kalinovic, I., Stejskal, V., Opit, G. & Cao Yang. 2012. Diagnosis of *Liposcelis entomophila* (Insecta: Psocodea: Liposcelididae) based on morphological characteristics and DNA barcodes. *Journal of Stored Products Research* 48: 120-125, 3 figs.
- Yang Qianqian, Zhao Shuo, Kucerova, Z., Stejskal, V., Opit, G., Qin Meng, Cao Yang, Li Fujun & Li Zhihong 2013a. Validation of the 16S rDNA and COI DNA barcoding technique for rapid molecular identification of stored product psocids (Insecta: Psocodea: Liposcelididae). *Journal of Economic Entomology* 106(1): 419-425.
- Yang Qianqian, Zhao Shuo, Kucerova, Z., Opit, G., Cao Yang, Stejskal, V. & Li Zhihong 2013b. Rapid molecular diagnosis of the stored-product psocid *Liposcelis corrodens* (Psocodea: Liposcelididae): Species-specific PCR primers of 16S rDNA and COI. *Journal of Stored Products Research* 54: 1-7.
- Yang Qianqian, Kucerova, Z., Perlman, S. J., Opit, G. P., Mockford, E. L., Behar, A., Robinson, W. E., Stejskal, V., Li Zhihong & Shao Renfu 2015. Morphological and molecular characterization of a sexually reproducing colony of the booklouse *Liposcelis bostrychophila* (Psocodea: Liposcelididae) found in Arizona. *Scientific Reports* 5: 10429; doi: 10.1038/srep10429 (11 pp. 3 figs).
- Yao Me-Chin, Lee Chi-Yang, Chin Hsiang-Wen, Yang En-Cheng & Lu Kuang-Hui 2011. Application of light traps to monitor population fluctuation of stored-product pests in imported brown rice storehouses. *Formosan Entomologist* 31(4): 351-366. (In Chinese).
- Yeates, D. K., Cameron, S. L. & Trautwein, M. 2012. A view from the edge of the forest: recent progress in understanding the relationships of the insect orders. *Australian Journal of Entomology* 51: 79-87.

- Yin Cancan, Sun Entao, Zheng Lingxiao, Guan Guoyu, Liu Xiao, Wang Yixiao & Huang Wenyu 2018. Molecular detection and identification of *Rickettsia* in psocids collected from herbs. *Journal of Stored Products Research* 77: 144-147. **(Only abstract seen)**.
- Yin Rui, Eisenhauer, N., Schmidt, A., Gruss, I., Purahong, W., Siebert, J. & Schaedler, M. 2019. Climate change does not alter land-use effects on soil fauna communities. *Applied Soil Ecology* 140: 1-10. **(Only abstract seen)**.
- Yoshinami, M., Machida, R., Kobayashi, N., Sugita-Kunishi, Y. & Furuhashi, K. 2020. Multifaceted fungal characteristics determining the fungal feeding preferences of the psocid *Liposcelis bostrychophila* Badonnel (Psocoptera: Liposcelidae). *Journal of Stored Products Research* 88, article number 101659. **(Only abstract seen)**.
- Yoshizawa, K. 2003d. Order Psocoptera: Book Lice (pp. 243-248). In: Grzimek's Animal Life Encyclopedia: Insects. *Gale Group, Chicago, USA*. **(Not seen)**.
- Yoshizawa, K. (ed.) 2011a. Psocid News. The Psocidologists' Newsletter. No. 13 (February 28, 2011). *Systematic Entomology, Faculty of Agriculture, Hokkaido University, Sapporo*, 19 pp.
- Yoshizawa, K. 2011b. Monophyletic Polyneoptera recovered by wing base structure. *Systematic Entomology* 36: 377-394, 15 figs.
- Yoshizawa, K. (ed.) 2012. Psocid News. The Psocidologists' Newsletter. No. 14 (Feb. 29, 2012). *Systematic Entomology, Faculty of Agriculture, Hokkaido University, Sapporo*, 14 pp.
- Yoshizawa, K. (ed.) 2013. Psocid News. The Psocidologists' Newsletter. No. 15 (Feb. 28, 2013). *Systematic Entomology, Faculty of Agriculture, Hokkaido University, Sapporo*, 21 pp.
- Yoshizawa, K. (ed.) 2014. Psocid News. The Psocidologists' Newsletter. No. 16 (March 4, 2014). *Systematic Entomology, Faculty of Agriculture, Hokkaido University, Sapporo*, 20 pp.
- Yoshizawa, K. (ed.) 2015a. Psocid News. The Psocidologists' Newsletter. No. 17 (February 28, 2015). *Systematic Entomology, Faculty of Agriculture, Hokkaido University, Sapporo*, 18 pp.
- Yoshizawa, K. 2015b. Psocoptera in the public (p. 17). In: Yoshizawa, K. (ed.). Psocid News. The Psocidologists' Newsletter. No. 17 (February 28, 2015). *Systematic Entomology, Faculty of Agriculture, Hokkaido University, Sapporo*, 18 pp.
- Yoshizawa, K. 2015c. [Female penis: story of its discovery and its impact for evolutionary studies, with introduction to the methods to observe copulated insect pairs]. *Japanese Journal of Entomology (New Series)* 18(1): 8-16, 3 figs. (In Japanese).
- Yoshizawa, K. (ed.) 2016a. Psocid News, The Psocidologists' Newsletter. No. 18 (February 28, 2016). *Systematic Entomology, Faculty of Agriculture, Hokkaido University, Sapporo*, 12 pp.
- Yoshizawa, K. 2016b. Phylogenetic placement and higher systematics of Psocodea. *Japanese Journal of Entomology*, (N. S.), 19(3): 112-120, 2 figs. (In Japanese, with English abstract).
- Yoshizawa, K. 2016c. Order Psocodea (pp. 1-18). In: Catalogue of the Insects of Japan (edited by the Editorial Committee of Catalogue of the Insects of Japan), Vol. 4 Paraneoptera, xxxiii + 629 pp. *Entomological Society of Japan, distributed by Touka shobo*.
- Yoshizawa, K. 2016d. First description of the male of *Manicapsocus* (Psocodea: 'Psocoptera': Electrentomidae). *Insecta Matsumurana*, New Series, 72: 95-100, 2 figs.
- Yoshizawa, K. (ed.) 2017. Psocid News, The Psocidologists' Newsletter. No. 19 (February 28, 2017). *Systematic Entomology, Faculty of Agriculture, Hokkaido University, Sapporo*, 19 pp.
- Yoshizawa, K. (ed.) 2018. Psocid News, The Psocidologists' Newsletter. No. 20 (February 28, 2018). *Systematic Entomology, Faculty of Agriculture, Hokkaido University, Sapporo*, 18 pp.
- Yoshizawa, K. (ed.) 2019. Psocid News, The Psocidologists' Newsletter. No. 21 (February 28, 2019). *Systematic Entomology, School of Agriculture, Hokkaido University, Sapporo*, 35 pp.
- Yoshizawa, K. (ed.) 2020. Psocid News, The Psocidologists' Newsletter. No. 22 (Feb 29, 2020). *Systematic Entomology, School of Agriculture, Hokkaido University, Sapporo*, 29 pp.
- Yoshizawa, K. & Johnson, K. P. 2013. Changes in base composition bias of nuclear and mitochondrial genes in lice (Insecta: Psocodea). *Genetica* 141(10-12): 491-499.
- Yoshizawa, K. & Johnson, K. P. 2014. Phylogeny of the suborder Psocomorpha: congruence and incongruence between morphology and molecular data (Insecta: Psocodea: 'Psocoptera'). *Zoological Journal of the Linnean Society* 171: 716-731, 3 figs.
- Yoshizawa, K. & Lienhard, C. 2015a. Synonymy of *Cryptopsocus* Li with *Trichadenotecnum* Enderlein (Insecta: Psocodea: 'Psocoptera': Psocidae) and description of three new species. *Zootaxa* 3957(4): 480-488, 5 figs.

- Yoshizawa, K. & Lienhard, C. 2015b. The *alinguum* group, a new species group of the genus *Trichadenotecnum*, with descriptions of two new species from Thailand (Psocodea: 'Psocoptera': Psocidae). *Insecta Matsumurana, New Series* 71: 179-188, 5 figs.
- Yoshizawa, K. & Lienhard, C. 2016. Bridging the gap between chewing and sucking in the hemipteroid insects: new insights from Cretaceous amber. *Zootaxa* 4079(2): 229-245, 7 figs.
- Yoshizawa, K. & Lienhard, C. 2020a. †Cormopsocidae: A new family of the suborder Trogiomorpha (Insecta: Psocodea) from Burmese amber. *Entomological Science* 23: 208-215, 5 figs.
- Yoshizawa, K. & Lienhard, C. 2020b. The *Trichadenotecnum corniculum* species group from Thailand (Psocodea: Psocidae). *Dugesiana* 27(2): 173-181, 6 figs.
- Yoshizawa, K. & Mockford, E. L. 2012. Redescription of *Symbiopsocus hastatus* Mockford (Psocodea: 'Psocoptera': Psocidae), with first description of female and comments on the genus. *Insecta Matsumurana, New Series* 68: 133-141, 3 figs.
- Yoshizawa, K., Bess, E. & Johnson, K. P. 2011. Kaindipsocinae is a sister taxon to the rest of Psocidae (Insecta: Psocodea: 'Psocoptera'). *Invertebrate Systematics* 25: 81-90, 5 figs.
- Yoshizawa, K., Mockford, E. L. & Johnson, K. P. 2014a. Molecular systematics of the bark lice infraorder Caeciliusetae (Insecta: Psocodea). *Systematic Entomology* 39: 279-285, 2 figs.
- Yoshizawa, K., Ferreira, R. L., Kamimura, Y. & Lienhard, C. 2014b. Female penis, male vagina, and their correlated evolution in a cave insect. *Current Biology* 24(9): 1006-1010, 3 figs. (Supplemental information: text and Figures S1-S3 and Tables S1-S2, online at: <http://dx.doi.org/10.1016/j.cub.2014.03.022>).
- Yoshizawa, K., Lienhard, C. & Ghani, I. A. 2014c. *Trichadenotecnum* species from Peninsular Malaysia and Singapore (Insecta: Psocodea: 'Psocoptera': Psocidae). *Zootaxa* 3835 (4): 469-500, 29 figs.
- Yoshizawa, K., Ferreira, R. L., Kamimura, Y. & Lienhard, C. 2014d. A transgender Brazilian cave insect. *The Winnower*, September 03, 2014, 3 pp. DOI: 10.15200/winn.140978.89418.
- Yoshizawa, K., Yao, I. & Lienhard, C. 2015. Molecular phylogeny reveals genital convergences and reversals in the barklouse genus *Trichadenotecnum* (Insecta: Psocodea: 'Psocoptera': Psocidae). *Molecular Phylogenetics and Evolution* 94 (2016): 358-364, 2 figs [available online 3 October 2015].
- Yoshizawa, K., Souza-Silva, M. & Ferreira, R. L. 2016. Disjunct occurrence of *Trichadenotecnum* s. str. in Southeastern Brazil (Psocodea: 'Psocoptera': Psocidae), with description of a new species. *Neotropical Entomology* 46(2) (2017): 169-174, 5 figs. First published online 14 October 2016: DOI 10.1007/s13744-016-0449-z.
- Yoshizawa, K., Johnson, K. P., Sweet, A. D., Yao, I., Ferreira, R. L. & Cameron, S. L. 2017a. Mitochondrial phylogenomics and genome rearrangements in the barklice (Insecta: Psocodea). *Molecular Phylogenetics and Evolution* 119 (2018): 118-127, 4 figs (published online 24 October 2017).
- Yoshizawa, K., Johnson, K. P., Yao, I., Casasola Gonzalez, J. A., Bess, E. & Garcia Aldrete, A. N. 2017b. Multiple trans-Beringia dispersals of the barklouse genus *Trichadenotecnum* (Insecta: Psocodea: Psocidae). *Biological Journal of the Linnean Society* 121: 501-513, 5 figs.
- Yoshizawa, K., Kamimura, Y., Lienhard, C., Ferreira R., L. & Blanke, A. 2018a. A biological switching valve evolved in the female of a sex-role reversed cave insect to receive multiple sperm packages. *eLife* 2018; 7:e39563 (11 pp., 2 figs, 1 video).
- Yoshizawa, K., Ferreira R., L., Yao, I., Lienhard, C. & Kamimura, Y. 2018b. Independent origins of female penis and its coevolution with male vagina in cave insects (Psocodea: Prionoglarididae). *Biology Letters* 14: 20180533, 2 figs (published online 21 November 2018).
- Yoshizawa, K., Ferreira R. L., Lienhard, C. & Kamimura, Y. 2019a. Why did a female penis evolve in a small group of cave insects? *BioEssays* 2019, 41, 1900005; 9 pp., 4 figs.
- Yoshizawa, K., Lienhard, C., Yao, I. & Ferreira, R. L. 2019b. Cave insects with sex-reversed genitalia had their most recent common ancestor in West Gondwana (Psocodea: Prionoglarididae: Speleketorinae). *Entomological Science* 22: 334-338, 2 figs.
- Yoshizawa, K., Marusik, Y. M., Yao, I. & Lienhard, C. 2020. Systematic position of the enigmatic

- psocid family Lesneiidae (Insecta: Psocodea: Psocomorpha), with description of two new species. *Insect Systematics and Diversity*, (2020) 4(6): 6; 1-6. DOI: 10.1093/isd/ixaa019 (online December 10, 2020).
- You Chun Xue, Jiang Hai Yan, Zhang Wen Juan, Guo Shan Shan, Yang Kai, Lei Ning, Ma Ping, Geng Zhu Feng & Du Shu Shan 2015. Contact toxicity and repellency of the main components from the essential oil of *Clausena anisum-olens* against two stored product insects. *Journal of Insect Science* 15, article no. 87, DOI 10.1093/jisesa/iev071. **(Only abstract seen)**.
- Young, D. W. 2011. Psocoptera of Texas (website). Accessed 12 January 2014. Online: <http://www.sam-diane.com/psocopteraoftexas.html>
- Young, D. W. & Mockford, E. L. 2020. Courtship and mating behavior in four Pachytroctidae species (Psocodea: 'Psocoptera': Troctomorpha: Nanopsocetae: Pachytroctidae). *Dugesiana* 27(2): 109-114, 1 fig.
- Zhang Qingqing, Nel, A., Azar, D. & Wang Bo 2016. New Chinese psocids from Eocene Fushun amber (Insecta: Psocodea). *Alcheringa* 40: 366-372, 6 figs.
- Zhang Zhenjun, Li Yanyu, Wang Zhongming, Cao Yang, Qi Yanmei, Pan Derong, He Rui 2018. Circadian rhythm of *Liposcelis entomophila* and *Liposcelis paeta* in paddy warehouse. *12th International Working Conference on Stored Product Protection (IWCSPP) in Berlin, Germany, October 7-11, 2018. Julius-Kühn-Archiv* 463: 159-162.
- Zhang Zhi-Qiang 2011. Phylum Arthropoda von Siebold, 1848 (pp. 99-103). In: Zhang Zhi-Qiang (ed.). Animal biodiversity: An outline of higher-level classification and survey of taxonomic richness. *Zootaxa* 3148: 1-237. (Psoc.: p. 101).
- Zhang Zhi-Qiang 2013. Phylum Arthropoda (pp. 17-26). In: Zhang Zhi-Qiang (ed.). Animal biodiversity: an outline of higher-level classification and survey of taxonomic richness (Addenda 2013). *Zootaxa* 3703: 1-82. (Psoc.: p. 21).
- Zhao Mei Ping, Liu Xin Chao, Lai Daowan, Zhu Ligang & Liu Zhi Long 2016. Analysis of the essential oil of *Elsholtzia ciliate* aerial parts and its insecticidal activities against *Liposcelis bostrychophila*. *Helvetica Chimica Acta* 99(1): 90-94. **(Only abstract seen)**.
- Zhao Zi-Hua, Cui Bing-Yi, Li Zhi-Hong, Jiang Fan, Yang Qian-Qian, Kucerova, Z., Stejskal, V., Opit, G., Cao Yang & Li Fu-Jun 2016. The establishment of species-specific primers for the molecular identification of ten stored-product psocids based on ITS2 rDNA. *Scientific Reports* 6, article no. 21022.
- Zwart, H. 2017. "Extimate" technologies and techno-cultural discontent: A Lacanian analysis of pervasive gadgets. *Techné: Research in Philosophy and Technology* 21(1): 24-55.
- Zwart, H. 2019. Purloined organs: Psychoanalysis of transplant organs as objects of desire. DOI: 10.1007/978-3-030-05354-3. 77 pp. (book). [*Neotrogl*a mentioned on p. 44].

### Corrections to Lienhard & Smithers, 2002 (Synthesis of Parts 11-20)

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

- 010: *Ptenocorium* already considered as a synonym of *Cyptophania* by Thornton *et al.*, 1972: 62. Synonymy considered as somewhat doubtful by Thornton, 1981f: 19.
- 044: *Psocathropos pilipennis* (Enderlein). Add: Diagnostic characters: Mockford, 1993a: 51.
- 097: *Liposcelis uxoris* Lienhard (not *Liposcelis*)
- 226: *Leptopsocus* Reuter.... Synonymy: Reuter, 1909: 204. See also discussion in Reuter, 1904: 18-20.
- 237: *Leptopsocus exiguus* Reuter.... Synonymy: Reuter, 1909: 204.
- 351: *Palmicola* Mockford. Gender: F. This genus name is feminine because it was originally treated as feminine by being combined with the specific name *solitaria* (see International Code of Zoological Nomenclature, Art. 30.1.4.2.).
- 351: *Palmicola solitaria*, this original spelling is the correct spelling.
- 540: Gadeau de Kerville, H. 1932. Mélanges entomologiques. 5e Mémoire. II. Catalogue

embryonnaire des Nevroptères, Mégaloptères, Rhaphidioptères, Mecoptères, Psocoptères, Plécoptères, Ephéméroptères et Trichoptères de la Normandie. *Bulletin de la Société des Amis des Sciences naturelles de Rouen* 66-67: 349-401. (Psoc.: pp. 367-374). [Corrections underlined]

- 564: The reference Karny, H. H. 1921 has to be replaced by the following: Karny, H. 1921. Zur Systematik der orthopteroiden Insekten. *Treubia* 1: 163-269. (Corrodentia: 207-210).
- 573: Replace the reference "Leach, W. 1815" by the following more complete reference: Leach, W. E. 1815. Entomology (pp. 57-172). In: Brewster, D. (ed.). The Edinburgh Encyclopaedia. Volume 9. *Edinburgh, William Blackwood*. (Psoc.: p. 139).
- 639: Solowiow, P. 1925: pp. 270-272.

### **Subject Bibliography (Synthesis of Additions 16-20) = Complement to Lienhard (2016c)**

**NOTE:** A comprehensive **Subject Bibliography** for Lienhard & Smithers (2002) and for Parts 1-15 of the Additions is given by Lienhard (2016c).

#### SUBJECT HEADINGS

Behaviour  
Biogeography  
Biology, life history, physiology, genetics  
Collections  
Cytology  
Ecology  
General treatises, keys, bibliographies  
History, biographies  
Morphology, anatomy  
Nomenclature  
Palaeontology  
Pests  
Phylogeny, evolution, classification  
Predators, parasites, parasitoids  
Techniques

#### SUBJECT REFERENCES

##### **Behaviour**

- 2017 Kamimura & Yoshizawa, 2017 (Add. 17) (*Neotrogl*a, sex role reversal)
- 2017 Zwart, 2017 (Add. 17) (p. 47: scenario of 'phallic woman' phantasm is something biologically real in *Neotrogl*a)
- 2010 Huber, 2010 (Add. 20) (Psocodea, copulation)
- 2020 Young & Mockford, 2020 (Add. 20) (courtship and mating behavior)

##### **Biogeography**

- 2016 Lienhard, 2016b (Add. 16) (country checklists of the species of the World)
- 2016 Roman-Palacios *et al.*, 2016a (Add. 16) (historical biogeography of Thyrsopterini)
- 2017 Avtzis *et al.*, 2017 (Add. 18) (non-native species, Greece, *Liposcelis* etc.)
- 2017 Oliveira *et al.*, 2017 (Add. 17) (*Dictyopsocus pennicornis*)
- 2017 Roman Palacios *et al.*, 2017 (Add. 18) (Psocidae)
- 2017 Yoshizawa *et al.*, 2017b (Add. 17) (*Trichadenotecnum*, trans-Beringia dispersals)
- 2019 Anonby, 2019 (Add. 19) (biodiversity assessment of psocids in Canada)
- 2019 Yoshizawa *et al.*, 2019b (Add. 19) (Prionoglarididae, historical biogeography)

### **Biology, life history, physiology, genetics**

- 2015 Dou Wei *et al.*, 2015 (Add. 16) (diet) (*Liposcelis*)  
2015 Green & Farman, 2015 (Add. 16) (nutrition) (*Liposcelis*)  
2016 Bouget, 2016 (Add. 18) (copulation)  
2016 Gautam *et al.*, 2016 (Add. 16) (population dynamics) (*Liposcelis*)  
2016 Li Ting *et al.*, 2016 (Add. 16) (physiology) (*Liposcelis*)  
2016 Vershinina & Kuznetsova, 2016 (Add. 16) (parthenogenesis; *Liposcelis* etc.)  
2016 Wang Yinan *et al.*, 2016 (Add. 16) (genetics) (*Liposcelis*)  
2017 Beukeboom, 2017 (Add. 17) (commentary to Hodson *et al.*, 2017)  
2017 Hodson *et al.*, 2017 (Add. 17) (genetics, sex determination, *Liposcelis*)  
2017 Liu Xiaochen *et al.*, 2017 (Add. 17) (mitochondrial genome, *Liposcelis* etc.)  
2017 Ma & Schwander, 2017 (Add. 17) (parthenogenesis believed to be endosymbiont-induced in *Liposcelis* and *Cerobasis*)  
2017 Sun En-Tao *et al.*, 2017 (Add. 17) (*Liposcelis*, genetic diversity in China)  
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 Feng Shiqian *et al.*, 2018c (Add. 19) (*Liposcelis* spp., mitochondrial genome)  
2018 Hamilton *et al.*, 2018 (Add. 18) (genetics, sex ratio distortion, *Liposcelis*)  
2018 Opit *et al.*, 2018 (Add. 19) (*Liposcelis*, temperature- and humidity-dependent development)  
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)  
2018 Zhang Zhenjun *et al.*, 2018 (Add. 19) (*Liposcelis*, circadian rhythm)  
2019 Brandt *et al.*, 2019 (Add. 19) (genet., parthenogenesis, *Liposcelis* etc.)  
2019 Feng Shiqian *et al.*, 2019 (Add. 19) (*Liposcelis*, mitochondrial genome)  
2019 Golub *et al.*, 2019 (Add. 19) (cytogenetics)  
2019 Hodson & Perlman, 2019 (Add. 19) (population genetics, sex ratio, *Liposcelis*)  
2019 Mockford & Young, 2019 (Add. 19) (egg and oviposition, *Peritroctes*)  
2019 Stejskal *et al.*, 2019 (Add. 19) (*Liposcelis* spp., phys.)  
2019 Yamada *et al.*, 2019 (Add. 19) (*Liposcelis* eating eggs of mosquitoes)  
2020 Georgiev *et al.*, 2020 (Add. 20) (parthenogenesis, *Liposcelis*)  
2020 Georgiev *et al.*, 2020 (Add. 20) (sexual strain of *Liposcelis bostrychophila* mentioned from Senegal)  
2020 Wei Dan-Dan *et al.*, 2020 (Add. 20) (*Liposcelis bostrychophila*, insecticide detoxification)

### **Collections**

- 2018 Lonsdale & Locke, 2018 (Add. 18) (types in Canadian National Collection)  
2019 Silva Neto *et al.*, 2019b (Add. 19) (data about type material deposited in Museu de Zoologia da Universidade de São Paulo)  
2020 Silva Ferreira *et al.*, 2020 (Add. 20) (type material deposited in a Brazilian Museum)

### **Cytology**

- 2016 Dallai *et al.*, 2016; Gottardo *et al.*, 2016 (Add. 16) (sperm structure)  
2019 Golub *et al.*, 2019 (Add. 19) (chromosomes)

### **Ecology**

- 1982 Reddell, 1982 (Add. 17) (in cave, Mexico)  
2012 Moseley *et al.*, 2012 (Add. 19) (cave fauna Malaysia, Batu caves)  
2013 Mucedda *et al.*, 2013 (Add. 17) (*Psyllipsocus ramburii* in caves, Italia)  
2014 Wynne *et al.*, 2014 (Add. 16) (cave fauna)

- 2015 Hanna *et al.*, 2015 (Add. 16) (effects of ant invasion)
- 2015 Simões *et al.*, 2015; Souza Silva *et al.*, 2015 (Add. 16) (cave fauna)
- 2016 Beron, 2016 (Add. 17) (Greece, in caves)
- 2016 Bertone *et al.*, 2016 (Add. 16) (ubiquity of Liposcelididae in houses)
- 2016 Chiriliuc & Andriescu, 2016 (Add. 17) (psocids collected from dry hibernating stems by "Schmitz" photo selector)
- 2016 Ferreira *et al.*, 2016 (Add. 20) (cave psocids, Brazil)
- 2016 Garcia Aldrete *et al.*, 2016b (Add. 16) (cave and litter fauna)
- 2016 Georgiev, 2016b (Add. 16) (*Psyllipsocus* in cave)
- 2016 Liebhold *et al.*, 2016 (Add. 16) (invasion pathways)
- 2016 Mazac, 2016 (Add. 16) (taxocenoses in forest ecosystems)
- 2016 Mockford, 2016 (Add. 16) (ground-litter-inhabiting *Rhyopsocus*)
- 2016 Wasserstrom *et al.*, 2016 (Add. 16) (soil fauna)
- 2017 Angarten *et al.*, 2017 (Add. 17) (*Neotroglia curvata* in Brazilian cave)
- 2017 Erwin & Henry, 2017 (Add. 17) (Carabid beetles under webbing of psocids)
- 2017 Maute *et al.*, 2017 (Add. 17) (locust control, psocids as non-target insects)
- 2017 Mondal & Rojo, 2017 (Add. 18) (on dipterocarp saplings, Philippines)
- 2018 Ansaloni *et al.*, 2018 (Add. 18) (psocids inhabiting insect galls)
- 2018 Deharveng & Bedos, 2018 (Add. 19) (cave fauna)
- 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)
- 2019 Alejo *et al.*, 2019 (Add. 19) (on flowers in greenhouses)
- 2019 Alvarenga *et al.*, 2019 (Add. 19) (cave fauna, Brazil and Namibia)
- 2019 Araujo *et al.*, 2019 (Add. 19) (commensals in ants' nests)
- 2019 Bernardes Portela *et al.*, 2019 (Add. 19) (soil fauna, ecological corridors)
- 2019 Bichuette *et al.*, 2019 (Add. 19) (cave fauna, Brazil)
- 2019 Koh Chao-Nien *et al.*, 2019 (Add. 19) (Psoc. as potential prey of birds and bats)
- 2019 Lopez-Nunez *et al.*, 2019 (Add. 19) (Psoc. as inquilines in plant galls)
- 2019 Lynch *et al.*, 2019 (Add. 19) (in birds' nests)
- 2019 Morales-Silva *et al.*, 2019 (Add. 19) (Psoc. on a species of Fabaceae in Brazil)
- 2019 Portela *et al.*, 2019 (Add. 20) (soil fauna)
- 2019 Soares *et al.*, 2019 (Add. 19) (*Liposcelis* sp. in poultry litter)
- 2019 Yin Rui *et al.*, 2019 (Add. 19) (soil fauna, climate change)
- 2019 Yoshizawa *et al.*, 2019a, 2019b (Add. 19) (cave fauna, Prionoglarididae)
- 2020 Georgiev *et al.*, 2020 (Add. 20) (in ant's nest, *Liposcelis*)
- 2020 Luna-Cozar *et al.*, 2020 (Add. 20) (in ball moss *Tillandsia recurvata*, Mexico)
- 2020 Maia & Siqueira, 2020 (Add. 20) (psocids as dwellers of insect galls, Brazil)
- 2020 Ostrovsky & Georgiev, 2020 (Add. 20) (domestic and in ant nests, *Liposcelis* etc.)
- 2020 Panche-Chocue *et al.*, 2020 (Add. 20) (diversity and vertical distribution in forest, Colombian Amazon)
- 2020 Pires *et al.*, 2020 (Add. 20) (witches' brooms as microhabitats of psocids)
- 2020 Sikes & Callegari, 2020 (Add. 20) (domestic psocids in Museum)
- 2020 Souza Silva *et al.*, 2020 (Add. 20) (cave psocids, Brazil)
- 2020 Stiegel *et al.*, 2020 (Add. 20) (deciduous forests, Central Germany)

#### **General treatises, keys, bibliographies**

- 2016 Lienhard, 2016a (Add. 16) (additions to the World Catalogue and Bibliography, Part 15)
- 2016 Lienhard, 2016b, 2016c, 2016d (Add. 16) (complements to the World Catalogue and Bibliography)
- 2016 Silva Neto & Garcia Aldrete, 2016 (Add. 18) (online database for Brazilian Psocoptera)
- 2016 Yoshizawa, 2016b (Add. 16) (Psocodea, higher systematics)

- 2017 Lienhard, 2017 (Add. 17) (additions to the World Catalogue and Bibliography, Part 16)  
 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)  
 2019 Lienhard, 2019 (Add. 19) (Additions to the World Catalogue and Bibliography, Part 18)  
 2020 Lienhard, 2020b (Add. 20) (Additions to the World Catalogue and Bibliography, Part 19)  
 2020 Silva-Neto & Garcia Aldrete, 2020 (Add. 20) (Checklist of Psocoptera species from Brazil with key to families)

### **History, biographies**

- 2016 Kjer *et al.*, 2016 (Add. 19) (history of insect phylogenetics)  
 2018 Anonymous, 2018 (Add. 20) (Kazunori Yoshizawa, Ig Nobel Prize Fanbook)  
 2018 Schneider & Hollier, 2018 (Add. 18) (biography of Charles Lienhard with list of publications)  
 2019 Anonymous, 2019 (Add. 20) (Rodrigo Ferreira and Charles Lienhard, Ig Nobel Prize Fanbook)  
 2019 Azar *et al.*, 2019 (Add. 20) (André Nel sixtieth anniversary Festschrift, with list of publications)  
 2019 Franks, 2019 (Add. 19) (Dr Edward Broadhead, obituary)  
 2020 Franklin-Hall, 2020 (Add. 20) (philosophy of Science, *Neotroglia* mentioned)  
 2020 Hollier & Hollier, 2020 (Add. 20) (history of discovery of female penis by Lienhard, Yoshizawa, Ferreira, Kamimura)  
 2020 Lienhard, 2020a (Add. 20) (evolution of knowledge on family Prionoglarididae)  
 2020 Navarrete-Heredia, 2020 (Add. 20) (homage to A. N. Garcia Aldrete)  
 2020 Turner, 2020 (Add. 20) (obituary Edward Broadhead)

### **Morphology, anatomy**

- 2016 Huang Di-Ying *et al.*, 2016 (Add. 16) (mouthparts of Acercaria)  
 2016 Lienhard & Garcia Aldrete, 2016 (Add. 16) (genitalia, *Psyllipsocus*)  
 2016 Polilov, 2016 (Add. 17) (*Liposcelis*, adult and first instar nymph)  
 2017 Makarova & Polilov, 2017 (Add. 17) (*Liposcelis*, brain structure, also in nymphs)  
 2017 Ogawa & Yoshizawa, 2017a (Add. 17) (*Stenopsocus*, thoracic musculature)  
 2017 Ogawa & Yoshizawa, 2017b (Add. 17) (in-flight wing-coupling structure)  
 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)  
 2019 Cheng Zixin & Yoshizawa, 2019 (Add. 19) (functional morphology of genitalia)  
 2019 Salcedo *et al.*, 2019 (Add. 19) (computational analysis of insect wing morphology)  
 2020 Lima *et al.*, 2020 (Add. 20) (variation of wing venation in Ptiloneuridae)  
 2020 Yoshizawa *et al.*, 2020 (Add. 20) (morphology of abdomen and absence of gonapophyses in Lesneiidae)

### **Nomenclature**

- 2018 Lienhard & Yoshizawa, 2018 (Add. 18) (authorities for family-group names of Trogiomorpha)  
 2019 Lienhard & Yoshizawa, 2019a (Add. 19) (authorities for names above the family-group)  
 2019 Lienhard & Yoshizawa, 2019b (Add. 19) (authorities for family-group names)

### **Palaeontology**

- 2016 Azar *et al.*, 2016a, 2016b (Add. 16) (Cretaceous amber of Myanmar)  
 2016 Engel, 2016 (Add. 16) (Eocene Baltic amber)  
 2016 Huang Di-Ying *et al.*, 2016 (Add. 16) (Acercaria)

2016 Liang Feiyang *et al.*, 2016 (Add. 16) (Cretaceous amber of Myanmar, Archipsyllidae)  
 2016 Prokop *et al.*, 2016 (Add. 16) (Permopsocida: Psocidiidae, from Late Permian)  
 2016 Rasnitsyn *et al.*, 2016 (Add. 17) (Cretaceous amber, several families)  
 2016 Yoshizawa & Lienhard, 2016 (Add. 16) (Cretaceous amber of Myanmar, Archipsyllidae)  
 2016 Zhang Qingqing *et al.*, 2016 (Add. 16) (China, Eocene Fushun amber)  
 2017 Azar *et al.*, 2017 (Add. 17) (Burmese amber, Prionoglarididae)  
 2017 Guo Mingxia *et al.*, 2017 (Add. 18) (Burmese amber)  
 2017 Hakim *et al.*, 2017 (Add. 18) (Psyllipsocidae, Burmese amber)  
 2017 Prokop *et al.*, 2017 (Add. 17) (superorder Clareocercaria = Acercaria s.l.)  
 2017 Roman Palacios *et al.*, 2017 (Add. 18) (Psocidae)  
 2017 Ross, 2017a (Add. 17) (checklist of species from Burmese amber)  
 2017 Ross, 2017b, 2018a, 2018b (Add. 18) (Burmese amber, checklist)  
 2017 Sroka & Nel, 2017 (Add. 17) (Cretaceous Burmese amber, *Burmacompsocus*)  
 2018 Azar *et al.*, 2018 (Add. 18) (Trogidae, 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)  
 2019 Cockx *et al.*, 2019 (Add. 20) (Upper Cretaceous, Canada)  
 2019 Delclos *et al.*, 2019 (Add. 20) (Early Cretaceous amber, Spain)  
 2019 Garrouste *et al.*, 2019 (Add. 20) (Upper Carboniferous, France)  
 2019 Hakim *et al.*, 2019a (Add. 19) (Miocene Dominican amber)  
 2019 Hakim *et al.*, 2019b (Add. 19) (mid-Cretaceous Burmese amber)  
 2019 Hakim *et al.*, 2019c (Add. 20) (Mid-Miocene Dominican Amber)  
 2019 Maheu & Nel, 2019 (Add. 19) (mid-Cretaceous Burmese amber)  
 2019 Montagna *et al.*, 2019 (Add. 20) (insect evolutionary timescale)  
 2019 Ross, 2019, 2020a, 2020b (Add. 20) (Burmese amber, checklist)  
 2019 Schubnel *et al.*, 2019 (Add. 19) (Carboniferous: Moscovian; *Westphalopsocus* restored to Acercaria: Psocodea)  
 2019 Wang Ruiqian *et al.*, 2019a (Add. 19) (only Archipsyllidae from China mentioned)  
 2019 Wang Ruiqian *et al.*, 2019b (Add. 19) (mid-Cretaceous Burmese amber)  
 2020 Alvarez-Parra *et al.*, 2020 (Add. 20) (Cretaceous amber)  
 2020 Cockx *et al.*, 2020 (Add. 20) (Upper Cretaceous amber, Canada)  
 2020 Li Sheng *et al.*, 2020 (Add. 20) (Mid-Cretaceous Burmese amber)  
 2020 Ngo-Muller *et al.*, 2020 (Add. 20) (Mid-Cretaceous Burmese amber)  
 2020 Poinar & Vega, 2020 (Add. 20) (Dominican and Baltic amber)  
 2020 Yoshizawa & Lienhard, 2020a (Add. 20) (Mid-Cretaceous Burmese amber)

## Pests

2015 Castane & Riudavets, 2015 (Add. 16) (sampling techniques)  
 2015 Chen Hai-Ping *et al.*, 2015 (Add. 16) (control) (*Liposcelis*)  
 2015 Green & Farman, 2015 (Add. 16) (nutrition) (*Liposcelis*)  
 2015 Guo Shan-Shan *et al.*, 2015, 2016 (Add. 16) (control) (*Liposcelis*)  
 2015 Noordijk, 2015 (Add. 16) (*Badonnelia titei*)  
 2015 Parola *et al.*, 2015 (Add. 20) (possible transmission by *Liposcelis bostrychophila* of human infection by *Rickettsia felis*)  
 2015 Wu Yan *et al.*, 2015 (Add. 16) (control) (*Liposcelis*)  
 2015 Yang Kai *et al.*, 2015a, 2015b (Add. 16) (control) (*Liposcelis*)  
 2015 You Chun Xue *et al.*, 2015 (Add. 16) (control) (*Liposcelis*)  
 2016 Chapman *et al.*, 2016 (Add. 16) (New Zealand) (*Liposcelis* etc.)  
 2016 Cheng Jing *et al.*, 2016 (Add. 16) (control) (*Liposcelis*)  
 2016 Clemmons & Taylor, 2016 (Add. 16) (in laboratory animal facilities) (*Liposcelis*)  
 2016 Diaz-Montano *et al.*, 2016 (Add. 16) (monitoring) (*Liposcelis*)  
 2016 Ishibashi *et al.*, 2016 (Add. 16) (allergenic protein isolated) (*Liposcelis*)  
 2016 Li Ting *et al.*, 2016 (Add. 16) (physiology) (*Liposcelis*)  
 2016 Liang Jun-yu *et al.*, 2016 (Add. 16) (control) (*Liposcelis*)

- 2016 Liu Xin Chao *et al.*, 2016 (Add. 16) (control) (*Liposcelis*)
- 2016 Wang Yinan *et al.*, 2016 (Add. 16) (genetics) (*Liposcelis*)
- 2016 Zhao Mei Ping *et al.*, 2016 (Add. 16) (control) (*Liposcelis*)
- 2016 Zhao Zi-Hua *et al.*, 2016 (Add. 16) (molecular identification) (*Liposcelis*)
- 2017 Arthur *et al.*, 2017 (Add. 17) (*Liposcelis*, control by freezing)
- 2017 Fizialetti *et al.*, 2017 (Add. 18) (*Liposcelis* and *Dorypteryx* in library)
- 2017 Guo Shan-Shan *et al.*, 2017a, 2017b (Add. 17) (*Liposcelis*, control)
- 2017 Ishibashi *et al.*, 2017 (Add. 17) (*Liposcelis*, respiratory allergy)
- 2017 Jing Tian-Xing *et al.*, 2017 (Add. 17) (*Liposcelis*, sensitivity to insecticides)
- 2017 Li Heng Yu *et al.*, 2017 (Add. 17) (*Liposcelis*, control)
- 2017 Liu Li-Jun *et al.*, 2017 (Add. 17) (*Liposcelis*, molecular identification)
- 2017 Robinson & Allan, 2017 (Add. 17) (*Dorypteryx* spp. in Museum)
- 2017 Rueckert & Devetak, 2017 (Add. 17) (Gregarine species *Enterocystis dorypterygis* in *Dorypteryx domestica*) (potential biological control)
- 2017 Sun En-Tao *et al.*, 2017 (Add. 17) (*Liposcelis*, genetic diversity in China)
- 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 Li Zhihong *et al.*, 2018 (Add. 19) (molecular identification)
- 2018 Quan Meirong *et al.*, 2018 (Add. 18) (toxicity of essential oil, *Liposcelis*)
- 2018 Wang Yang *et al.*, 2018 (Add. 18) (control, *Liposcelis*)
- 2018 Wei Dan Dan *et al.*, 2018 (Add. 19) (*Liposcelis* spp., metabolic resistance)
- 2018 Yin Cancan *et al.*, 2018 (Add. 18) (risk of louse-borne rickettsioses to humans in contact with herbs)
- 2019 Athanassiou *et al.*, 2019 (Add. 19) (*Liposcelis* spp., control)
- 2019 Ben Bnina *et al.*, 2019 (Add. 19) (*Liposcelis*, control)
- 2019 Chen Zhenyang *et al.*, 2019 (Add. 19) (*Liposcelis*, control)
- 2019 Soares *et al.*, 2019 (Add. 19) (*Liposcelis* sp. in poultry litter)
- 2019 Stejskal *et al.*, 2019 (Add. 19) (*Liposcelis* spp., phys.)
- 2019 Veraldi *et al.*, 2019 (Add. 19) (allergy to Psoc., with bibliography; *Liposcelis*)
- 2019 Wang Yang *et al.*, 2019 (Add. 19) (*Liposcelis*, control)
- 2019 Yamada *et al.*, 2019 (Add. 19) (egg predation by *Liposcelis*)
- 2020 Babaei & Vadas, 2020 (Add. 20) (psocid as allergen causing anaphylaxis)
- 2020 Bai Chunqi *et al.*, 2020 (Add. 20) (*Liposcelis*, control)
- 2020 Endshaw & Hiruy, 2020 (Add. 20) (storage insect pest, Ethiopia)
- 2020 Feng Yi-Xi *et al.*, 2020 (Add. 20) (control of stored product booklouse)
- 2020 Gallant-Swofford *et al.*, 2020 (Add. 20) (*Liposcelis bostrychophila* as allergen causing anaphylaxis)
- 2020 Li Mengnan *et al.*, 2020 (Add. 20) (*Liposcelis* in herbal medicines)
- 2020 Lu Yujie *et al.*, 2020 (Add. 20) (*Liposcelis entomophila*, control, effects of sublethal fumigation)
- 2020 Mangoba & Alwindia, 2020 (Add. 20) (*Liposcelis bostrychophila*, phosphine resistance)
- 2020 Mizuno *et al.*, 2020 (Add. 20) (cleanliness of facilities for cell therapy)
- 2020 Pang Xue *et al.*, 2020 (Add. 20) (*Liposcelis bostrychophila*, control)
- 2020 Qi Xiao-Jie *et al.*, 2020 (Add. 20) (*Liposcelis bostrychophila*, control)
- 2020 Saeed *et al.*, 2020 (Add. 20) (control, *Liposcelis paeta*)
- 2020 Wei Dan-Dan *et al.*, 2020 (Add. 20) (*Liposcelis bostrychophila*, insecticide detoxification)
- 2020 Yoshinami *et al.*, 2020 (Add. 20) (*Liposcelis bostrychophila*, fungal feeding preferences)

### Phylogeny, evolution, classification

- 2016 Dallai *et al.*, 2016; Gottardo *et al.*, 2016 (Add. 16) (evolution of sperm)
- 2016 Huang Di-Ying *et al.*, 2016 (Add. 16) (evolution of mouthparts in Acercaria)
- 2016 Kjer *et al.*, 2016 (Add. 19) (history of insect phylogenetics)
- 2016 Roman-Palacios *et al.*, 2016a (Add. 16) (phylogeny of Thyrsochorini)
- 2016 Shi Yan *et al.*, 2016 (Add. 16) (Psocodea phylogeny; evolutionary timescale of *Liposcelis*)
- 2016 Silva Neto *et al.*, 2016c (Add. 16) (phylogeny of Ptiloneuridae)
- 2016 Yoshizawa, 2016b (Add. 16) (Psocodea, higher systematics)
- 2016 Yoshizawa & Lienhard, 2016 (Add. 16) (phylogeny of Paraneoptera)
- 2017 Beutel *et al.*, 2017 (Add. 17) (Psocodea)
- 2017 Ogawa & Yoshizawa, 2017b (Add. 17) (in-flight wing-coupling structure in Psocodea)
- 2017 Prokop *et al.*, 2017 (Add. 17) (superorder Clareocercaria = Acercaria s.l.)
- 2017 Roman Palacios *et al.*, 2017 (Add. 18) (evolution of Psocidae)
- 2017 Silva-Neto, 2017 (Add. 20) (Ptiloneuridae)
- 2017 Yoshizawa *et al.*, 2017a (Add. 17) (mitochondrial phylogenomics)
- 2017 Yoshizawa *et al.*, 2017b (Add. 17) (*Trichadenotecnum*)
- 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 Feng Shiqian *et al.*, 2018c (Add. 19) (*Liposcelis* spp., 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 stigmaphysid)
- 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)
- 2019 Cepelewicz, 2019 (Add. 19) (evolution of reversed sex organs in *Neotrogla*)
- 2019 Chesters, 2019 (Add. 20) (Paraneoptera)
- 2019 Kluge, 2019 (Add. 19) (Psocodea = Panpsocoptera; phylog. and classification)
- 2019 Saenz Manchola *et al.*, 2019 (Add. 19) (*Lachesilla* and Lachesillinae)
- 2019 Sloan & Simmons, 2019 (Add. 19) (evolution of female genitalia)
- 2019 Song Fan *et al.*, 2019 (Add. 19) (Psocodea, mitochondrial genome)
- 2019 Yoshizawa *et al.*, 2019a, 2019b (Add. 19) (Prionoglarididae, evolution of female penis)
- 2020 de Moya *et al.*, 2020 (Add. 2020) (New classification of Psocodea proposed in Table 3: Phthiraptera, considered as infraorder of Troctomorpha, contains 5 parvorders)
- 2020 Li Mengnan *et al.*, 2020 (Add. 20) (*Liposcelis*)
- 2020 Yoshizawa & Lienhard, 2020a (Add. 20) (position of Cormopsocidae discussed)
- 2020 Yoshizawa *et al.*, 2020 (Add. 20) (phylogeny of Homilopsocidea, position of Lesneiidae)

### **Predators, parasites, parasitoids**

- 2015 Hanna *et al.*, 2015 (Add. 16) (ant invasion)
- 2015 Parola *et al.*, 2015 (Add. 20) (*Rickettsia felis* in *Liposcelis bostrychophila*)
- 2016 Collins & Hespenheide, 2016 (Add. 17) (bird as predator, Venezuela)
- 2016 Rydell *et al.*, 2016 (Add. 17) (bats as predators, Sweden)
- 2016 Verhoeve *et al.*, 2016 (Add. 16) (*Rickettsia felis*) (*Liposcelis*)
- 2017 Healy *et al.*, 2017 (Add. 17) (*Rickettsia felis* as a symbiont, *Liposcelis*)
- 2017 Loera-Padilla *et al.*, 2017 (Add. 18) (predation by bats, Psoc. probably ingested accidentally, Mexico)
- 2017 Ma & Schwander, 2017 (Add. 17) (parthenogenesis believed to be endosymbiont-induced in *Liposcelis* and *Cerobasis*)
- 2017 Rueckert & Devetak, 2017 (Add. 17) (Gregarine species *Enterocystis dorypterygis* in *Dorypteryx domestica*)
- 2017 Triapitsyn, 2017 (Add. 17) (*Alaptus immaturus* in eggs of *Stenocaecilius analis*)
- 2017 Xu Si-Yuan *et al.*, 2017 (Add. 17) (larval Erythraeidae mite parasitic on psocid)
- 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*)  
 2019 Angulo Ordoñez *et al.*, 2019 (Add. 19) (predation by spiders)  
 2019 Garcia-Rosales *et al.*, 2019 (Add. 19) (predation by lizard, Mexico)  
 2019 Godeau *et al.*, 2019 (Add. 19) (predation by Coccinellidae, Europe)  
 2019 Lorenzon *et al.*, 2019 (Add. 19) (predation by bird)  
 2020 Atencia *et al.*, 2020 (Add. 20) (psocid mentioned as prey of Amphibia, Colombia)  
 2020 Krueger *et al.*, 2020 (Add. 20) (psocid mentioned as prey of carnivorous plants, Australia)  
 2020 Poinar & Vega, 2020 (Add. 20) (entomopathogenic fungi, Dominican and Baltic amber)  
 2020 Sundukov *et al.*, 2020 (Add. 20) (Reptilia as predators of psocids: skink)

### Techniques

- 2015 Castane & Riudavets, 2015 (Add. 16) (sampling techniques)  
 2016 Chiriliuc & Andriescu, 2016 (Add. 17) ("Schmitz" photo selector)  
 2016 Silva-Neto *et al.*, 2016e (Add. 17) (storage of slides and capsule with thorax in alcohol)  
 2016 Zhao Zi-Hua *et al.*, 2016 (Add. 16) (molecular identification) (*Liposcelis*)  
 2017 Liu Li-Jun *et al.*, 2017 (Add. 17) (molecular identification by microarray method)  
 2017 Orfinger *et al.*, 2017 (Add. 18) (pan traps, USA)  
 2018 Kamimura *et al.*, 2018 (Add. 18) (microsatellite markers developed for *Neotroglia* spp.)  
 2018 Li Zhihong *et al.*, 2018 (Add. 19) (molecular identification)  
 2018 Yoshizawa *et al.*, 2018a (Add. 18) (high-resolution synchrotron microcomputed tomography used for analysis of spermathecal structures in *Neotroglia* spp.)  
 2019 Kent *et al.*, 2019 (Add. 19) (methods for sampling forest arthropods)  
 2019 Knuff *et al.*, 2019 (Add. 19) (sampling flying insects by modified window trap)  
 2019 Salcedo *et al.*, 2019 (Add. 19) (computational analysis of insect wing morphology)  
 2020 De Kerdrel *et al.*, 2020 (Add. 20) (multilocus barcoding)  
 2020 Wei Dan-Dan *et al.*, 2020 (Add. 20) (RNA interference method)

### 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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