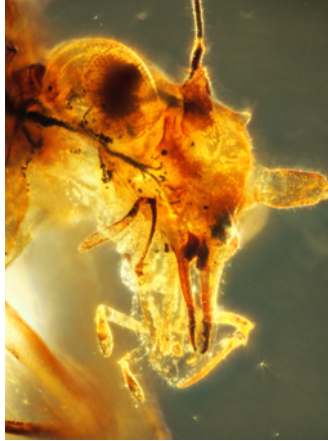


# Psocid News

The Psocidologists' Newsletter

No. 19 (Feb 28, 2017)



*Mydiognathus eviohlhoffae* Yoshizawa & Lienhard, 2016  
(Permopsocida: Archipsyllidae from Burmese Amber)

## ADDITIONS AND CORRECTIONS (PART 16) TO LIENHARD & SMITHERS, 2002: "PSOCOPTERA (INSECTA) – WORLD CATALOGUE AND BIBLIOGRAPHY"

**Charles LIENHARD** (Geneva Natural History Museum, Switzerland)  
E-mail: charleslienhard@bluewin.ch

### 1. Introduction

This is the 16th part of a series of "Additions and Corrections to the World Catalogue and Bibliography" (Lienhard & Smithers, 2002) published in "Psocid News". Parts 1-15 were published in Psocid News no. 4-18 (see below); a **Synthesis of Parts 1-10** is given by Lienhard (2016d).

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

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

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

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

## 2. List of countries mentioned in the "Additions and Corrections to the World Catalogue" (Parts 1-16)

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

All additional species records are mentioned in the "Additions and Corrections to the World Catalogue" and all countries mentioned in Parts 1 to 16 of these Additions are listed below, arranged according to the main geographical regions defined for the Catalogue (**I-X**), with a separate heading for fossils (**A**), mainly from amber. This list is provided to facilitate computer searching for distributional references in the online version of the different parts which can be found at <http://hdl.handle.net/2115/35519> or in the **Synthesis of Parts 1-10** given by Lienhard (2016d).

- Part 1 – Psocid News, no. 4 (2003): 2-24 (= Lienhard, 2003a)
- Part 2 – Psocid News, no. 5 (2003): 2-37 (= Lienhard, 2003b)
- Part 3 – Psocid News, no. 6 (2004): 1-23 (= Lienhard, 2004a)
- Part 4 – Psocid News, no. 7 (2005): 1-16 (= Lienhard, 2005a)
- Part 5 – Psocid News, no. 8 (2006): 1-18 (= Lienhard, 2006a)
- Part 6 – Psocid News, no. 9 (2007): 1-17 (= Lienhard, 2007a)
- Part 7 – Psocid News, no. 10 (2008): 1-18 (= Lienhard, 2008a)
- Part 8 – Psocid News, no. 11 (2009): 2-16 (= Lienhard, 2009a)
- Part 9 – Psocid News, no. 12 (2010): 1-18 (= Lienhard, 2010)
- Part 10 – Psocid News, no. 13 (2011): 1-18 (= Lienhard, 2011a)
- Synthesis of Parts 1-10, see Lienhard (2016d)**
- Part 11 – Psocid News, no. 14 (2012): 1-13 (= Lienhard, 2012a)
- Part 12 – Psocid News, no. 15 (2013): 1-21 (= Lienhard, 2013)
- Part 13 – Psocid News, no. 16 (2014): 1-20 (= Lienhard, 2014)
- Part 14 – Psocid News, no. 17 (2015): 1-17 (= Lienhard, 2015)
- Part 15 – Psocid News, no. 18 (2016): 1-12 (= Lienhard, 2016a)
- Part 16 – Psocid News, no. 19 (2017) (= present issue)

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

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

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

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

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

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

(VII) Reunion (Part 15)

(VIII) Brunei (Parts 5, 6), China (Parts 2, 3, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16), Hong Kong (Part 5), India (Parts 3, 5, 6, 7, 11, 15), Indonesia (Parts 1, 3, 5, 6, 10, 15), Japan (Parts 1, 4, 6, 7, 8, 9, 10, 12, 16), Kazakhstan (Part 13), Kuril Islands (Part 4), Kyrgyzstan (Part 5), Laos (Parts 5, 6), Malaysia (Parts 1, 5, 6, 8, 10, 14, 15), Myanmar (Parts 6, 8, 13, 14, 16), Nepal (Part 7), New Guinea (Parts 3, 5, 8), Pakistan (Part 14), Philippines (Parts 3, 5, 6, 14), Russia (Parts 1, 10, 11), SE-Asia (Part 7), Singapore (Parts 5, 14, 15), Sri Lanka (Parts 4, 6), Taiwan (Parts 1, 6, 7, 8, 13, 15), Thailand (Parts 1, 4, 5, 6, 9, 11, 15), USSR (Parts 4, 9), Vietnam (Parts 4, 5, 6, 8, 13, 14, 15)

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

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

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

### 3. Additions to the Catalogue

#### Permopsocida

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

#### Psocodea

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).

#### Psocoptera

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).

#### Psyllipsocidae

*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. Japan (VIII): Yoshizawa, 2016b (fig. 1B).
- 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*).

### Trogiidae

- 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).
- Cyrtophania 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.

### Psoquillidae

- 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).

### Lepidopsocidae

- 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.).

### Electrentomidae

- Family concept and phylogeny discussed; synonymy with Manicapsocidae accepted: Yoshizawa, 2016d.
- Manicapsocus alettai* Smithers. Kenya (VI): Yoshizawa, 2016d (first description of male).

### Manicapsocidae

- 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).

### Compsocidae

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

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

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

### Amphientomidae

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

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

### Sphaeropsocidae

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

### Pachytroctidae

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

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

### Liposcelididae

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).

#### Amphipsocidae

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

#### Stenopsocidae

*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.

#### Dasydemellidae

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

#### Paracaeciliidae

*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.

#### Caeciliusidae

*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.  
*Coryphosmila dolabrata* (Hagen). Japan (VIII): Yoshizawa, 2016c (misspelled: *dolobratu*).  
*Dypsocus coleoptratus* (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 flavidorsalis* (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 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: Verzhinina & 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.

#### Peripsocidae

*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: Verzhinina & Kuznetsova, 2016 (parthenogenesis).

#### Ectopsocidae

*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: Vershinina & Kuznetsova, 2016 (parthenogenesis).  
*Ectopsocus ornatoides* 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.

#### Elipsocidae

*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.

#### Lachesillidae

*Graphocaecilius* Enderlein. Key to species: Sandoval Arango *et al.*, 2016: 422.  
*Graphocaecilius mockfordi*\* Sandoval Arango, Gonzalez Obando & Garcia Aldrete, 2016: 423. Colombia (V).  
*Graphocaecilius sullivanii*\* 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 (ecol.). 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.

#### Mesopsocidae

*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.

#### Philotarsidae

*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.

#### Trichopsocidae

*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.

#### Pseudocaeciliidae

*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.

*Ophiodopelma 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.

#### Cladiopsocidae

*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 gregorium*\* 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).

#### Ptiloneuridae

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).

### Epipsocidae

- 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.

### Hemipsocidae

- Hemipsocus chloroticus* (Hagen). Japan (VIII): Yoshizawa, 2016c.

### Psocidae

- 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 alexanderae* 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: Verzhinina & 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 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: 2 (assigned to *Trichadenotecnum* s. str.). Brazil (V).  
*Trichadenotecnum yaeyamense* Yoshizawa, 2001a. Japan (VIII): Yoshizawa, 2016c.  
*Trichadenotecnum yatomajus* Yoshizawa, 2001a. Japan (VIII): Yoshizawa, 2016c.  
*Trichadenotecnum yonaguniense* Yoshizawa, 2001a. Japan (VIII): Yoshizawa, 2016c.

#### Myopsocidae

- Lichenomima muscosa* (Enderlein). Japan (VIII): Yoshizawa, 2016c.  
*Lophopterygella camelina* Enderlein. Not known from present day Japan (VIII): Yoshizawa, 2016c: 18.

#### 4. Additions to the Bibliography

NOTE: Complete bibliographical references to publications cited in the present paper, which are not listed here, can be found in the World Bibliography (Lienhard & Smithers, 2002: 493-664) or in Parts 1 to 15 of the "Additions"; see also **Synthesis of Parts 1-10** in Lienhard (2016d).

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

For a **subject bibliography** see below and Lienhard (2016c).

- Alexander, K. N. A. 2016. Some records of barkflies (Psocoptera) from the Isle of Man. *Entomologist's Monthly Magazine* 152: 155-156.
- 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).
- 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.
- 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)**.
- 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)**.
- 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)**.
- 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)**.
- 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).
- 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)**.
- 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.
- Engel, M. S. 2016. A new species of the booklouse genus *Embidopsocus* in Baltic amber (Psocoptera: Liposcelididae). *Novitates Paleontologicae* 16: 1-9, 5 figs.
- 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).
- 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.
- 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.
- 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).
- 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.
- Gottardo, M., Dallai, R., Mercati, D., Hörnschemeyer, 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.
- 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>.
- 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)**.
- 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)**.
- Holusa, O. 2012c. New species of Psocoptera fauna in the Czech Republic – *Trichadenotecnum gallicum* Lienhard, 1986. *Casopis Slezskeho Muzea Opava (A)* 61: 226-228, 2 figs.
- 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).
- 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)**.
- Khandehroo, F., Moravej, 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.
- 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)**.
- 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 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)**.
- Liebold, 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. 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. & 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. 2016. Three new psocids (Insecta, Psocodea, 'Psocoptera') for the Maltese fauna. *Bulletin of the Entomological Society of Malta* 8: 94-95.
- 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).**
- Lock, K. 2015. Some Psocoptera new to Albania. *Bulletin de la Société royale belge d'Entomologie* 151: 250-251.
- 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.
- Mazac, D. 2016. The first contribution to the fauna of psocids (Insecta: Psocoptera) in forests in the Draňanska vrchovina Hills (Czech Republic). *Journal of Forest Science* 62(5): 211-222, 5 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.
- 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).
- Nikpay, A. 2016. First report of occurrence of Psocoptera (*Trogium apterum*) on sugarcane from Iran. *Sugar Tech*, June 2016, 3 pp., 2 figs, DOI 10.1007/s12355-016-0449-7
- Noordijk, J. 2015. De exotische stofluis *Badonnelia titei* in Nederland (Psocodea: Sphaeropsocidae). *Nederlandse Faunistische Mededelingen* 45: 51-56, 2 figs.
- 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.
- 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.
- 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.
- Schmidt, C. 2015. Staubläuse (Psocodea, 'Psocoptera') in Sachsen. *Sächsische Entomologische Zeitschrift* 8: 146-192, 13 figs.
- 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).

- 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.
- 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.
- Souza-Silva, M. & Ferreira, R. L. 2015. Cave invertebrates in Espírito Santo state, Brazil: a primary analysis of endemism, threats and conservation priorities. *Subterranean Biology* 16: 79-102.
- Sziraki, G. 2016. Data on knowledge of Psocoptera and Neuropterida in Salaj County. *Studia Universitatis Vasile Goldis, Seria Stiintele Vietii* 26(1): 125-127.
- 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).
- 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)**.
- 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.
- 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 Aromáticas* 14(6): 462-469. **(Only abstract seen)**.
- 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. & 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., 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*, 6 pp., 5 figs. DOI 10.1007/s13744-016-0449-z
- 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**).
- Zhang Qingqing, Nel, A., Azar, D. & Wang Bo 2016. New Chinese psocids from Eocene Fushun amber (Insecta: Psocodea). *Alcheringa* 40: 366-372, 6 figs.
- 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.

## 5. Subject Bibliography for Part 16 of the Additions

**NOTE:** A comprehensive **Subject Bibliography** for Lienhard & Smithers (2002) and for Parts 1-15 of the Additions is given by Lienhard (2016c).

### 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 Thyrsothorini)

### Biology, life history, physiology, genetics

- 2015 Dou Wei *et al.*, 2015 (Add. 16) (diet) (*Liposcelis*)  
 2015 Green & Farman, 2015 (Add. 16) (nutrition) (*Liposcelis*)  
 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*)

### Cytology

- 2016 Dallai *et al.*, 2016; Gottardo *et al.*, 2016 (Add. 16) (sperm structure)

### Ecology

- 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 Bertone *et al.*, 2016 (Add. 16) (ubiquity of Liposcelididae in houses)  
 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)

### 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 Yoshizawa, 2016b (Add. 16) (Psocodea, higher systematics)

### **Morphology, anatomy**

- 2016 Huang Di-Ying *et al.*, 2016 (Add. 16) (mouthparts of Acercaria)  
2016 Lienhard & Garcia Aldrete, 2016 (Add. 16) (genitalia, *Psyllipsocus*)

### **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 Yoshizawa & Lienhard, 2016 (Add. 16) (Cretaceous amber of Myanmar, Archipsyllidae)  
2016 Zhang Qingqing *et al.*, 2016 (Add. 16) (China, Eocene Fushun 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 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*)

### **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 Roman-Palacios *et al.*, 2016a (Add. 16) (phylogeny of Thyrsophorini)  
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)

### **Predators, parasites, parasitoids**

- 2015 Hanna *et al.*, 2015 (Add. 16) (ant invasion)  
2016 Verhoeve *et al.*, 2016 (Add. 16) (*Rickettsia felis*) (*Liposcelis*)

### **Techniques**

- 2015 Castane & Riudavets, 2015 (Add. 16) (sampling techniques)  
2016 Zhao Zi-Hua *et al.*, 2016 (Add. 16) (molecular identification) (*Liposcelis*)

## EDITORIAL

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

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

- PsocoNet Homepage <<http://www.psocodea.org>>
- Hokkaido University Collection of Scholarly and Academic Papers (HUSCAP) <<http://hdl.handle.net/2115/35519>>
- National Diet Library Homepage <<http://www.ndl.go.jp/en/>>.

**Disclaimer.** "Psocid News" is not a published work within the meaning of ICZN.

**Next issue.** About Feb. 2018. Please let me have all contributions by Jan. 31 2018.

**Editorial address.** Psocid News is edited by Kazunori Yoshizawa at the Systematic Entomology, Faculty of Agriculture, Hokkaido University, Sapporo, 060-8589 JAPAN.

Telephone: +81-11-706-2424

Facsimile: +81-11-706-4939

E-mail: [psocid@res.agr.hokudai.ac.jp](mailto:psocid@res.agr.hokudai.ac.jp)

Web page: <http://www.psocodea.org>