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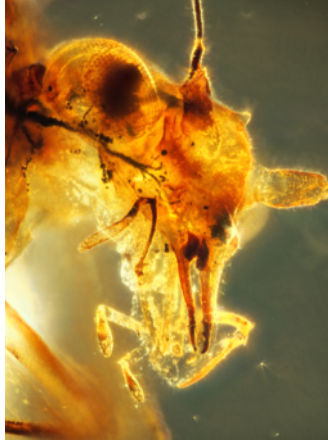


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Psocid News

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”

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

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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).

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

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