

# Psocid News

The Psocidologists' Newsletter

No. 14 (Feb. 29, 2012)



*Atrichadenotecnum quadripunctatum*

## ADDITIONS AND CORRECTIONS (PART 11) TO LIENHARD & SMITHERS, 2002: "PSOCOPTERA (INSECTA) – WORLD CATALOGUE AND BIBLIOGRAPHY"

Charles LIENHARD (Geneva Natural History Museum, Switzerland)

### 1. Introduction

This is the 11th part of a series of "Additions and Corrections to the World Catalogue and Bibliography" (Lienhard & Smithers, 2002) published in "Psocid News". Parts 1-10 were published in Psocid News no. 4-13 (see below); a **Synthesis of Parts 1-10** is available online at:

[http://www.ville-ge.ch/mhng/psocoptera/divers/synthesis\\_add\\_1\\_10.pdf](http://www.ville-ge.ch/mhng/psocoptera/divers/synthesis_add_1_10.pdf)

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

In general these "Additions" present the information in the style of the catalogue (Lienhard & Smithers, 2002), according to the criteria mentioned there (pp. ix-xli) and using the same abbreviations (cf. pp. xl-xli). Families (and higher categories, if mentioned) are listed according to Table 1 of Lienhard & Smithers (2002), except for changes published since (see "Additions", Parts 1-10). For each family, newly published changes concerning supra-generic taxa are mentioned at the beginning of the family treatment. For genus-group names and species-group names already listed by Lienhard & Smithers (2002) only the author is cited here. For new names the complete reference (author, year, page) is given in their first entry, where new genus-group names are marked with two asterisks (\*\*) and new species-group names with one asterisk (\*). For a name not listed by Lienhard & Smithers (2002), but cited in a preceding part of the "Additions", author and year are always mentioned. Genera are listed alphabetically within each family. Species are listed alphabetically within each genus. Species names are usually cited in the combination used by Lienhard & Smithers (2002), if not an explicit change of combination (or a new synonymy) has been published since.

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

Complete bibliographical references to publications cited in the present paper, which are not listed in the chapter "Additions to the Bibliography", can be found in the World Bibliography (Lienhard & Smithers,

2002: 493-664) or in Parts 1 to 10 of the "Additions" (see list below); a **Synthesis of Parts 1-10** is available online at: [http://www.ville-ge.ch/mhng/psocoptera/divers/synthesis\\_add\\_1\\_10.pdf](http://www.ville-ge.ch/mhng/psocoptera/divers/synthesis_add_1_10.pdf)

## **2. List of countries mentioned in the "Additions and Corrections to the World Catalogue" (Parts 1-11)**

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

All additional species records are mentioned in the "Additions and Corrections to the World Catalogue" and all countries mentioned in Parts 1 to 11 of these Additions are listed below, arranged according to the main geographical regions defined for the Catalogue (**I-X**), with a separate heading for fossils, mainly from amber (**A**). This list is provided to facilitate computer searching for distributional references in the online version of the different parts which can be found at <http://insect3.agr.hokudai.ac.jp/psoco-web/psoco-net/index.html> or in the **Synthesis of Parts 1-10** available online at: [http://www.ville-ge.ch/mhng/psocoptera/divers/synthesis\\_add\\_1\\_10.pdf](http://www.ville-ge.ch/mhng/psocoptera/divers/synthesis_add_1_10.pdf)

- Part 1 – Psocid News, no. 4 (2003): 2-24 (= Lienhard, 2003a)
- Part 2 – Psocid News, no. 5 (2003): 2-37 (= Lienhard, 2003b)
- Part 3 – Psocid News, no. 6 (2004): 1-23 (= Lienhard, 2004a)
- Part 4 – Psocid News, no. 7 (2005): 1-16 (= Lienhard, 2005a)
- Part 5 – Psocid News, no. 8 (2006): 1-18 (= Lienhard, 2006a)
- Part 6 – Psocid News, no. 9 (2007): 1-17 (= Lienhard, 2007a)
- Part 7 – Psocid News, no. 10 (2008): 1-18 (= Lienhard, 2008a)
- Part 8 – Psocid News, no. 11 (2009): 2-16 (= Lienhard, 2009a)
- Part 9 – Psocid News, no. 12 (2010): 1-18 (= Lienhard, 2010)
- Part 10 – Psocid News, no. 13 (2011): 1-18 (= Lienhard, 2011a)
- Parts 1-10 – see URL above** (= Lienhard, 2011c)
- Part 11 – published in Psocid News, no. 14 (= present issue)

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

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

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

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

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

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

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

**(IX)** Australia (Parts 1, 4, 5, 6, 7, 8, 10), Lord Howe Island (Parts 4, 7), New Zealand (Parts 1, 4),

Tasmania (Part 9)

(X) Fiji (Part 8), Galapagos (Part 5), Hawaii (Part 8)

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

### 3. Additions to the Catalogue

#### Psocoptera

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

#### Lepidopsocidae

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

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

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

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

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

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

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

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

#### Trogiidae

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

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

*Cerobasis guesstfalica* (Kolbe). Finland (I): Kanervo, 2010. Germany (I): Günther & Lienhard, 2011. Ascension Island (II): Lienhard & Ashmole, 2011. Azores (II): Baz, 2010. Saint Helena (II): Mendel *et al.*, 2008; Lienhard & Ashmole, 2011.

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

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

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

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

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

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

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

#### Psoquillidae

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

#### Psyllipsocidae

*Dorypteryx domestica* (Smithers). Finland (I): Kanervo, 2010. Germany (I): Günther & Lienhard, 2011.

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

### Prionoglarididae

- Prionoglaridid from Cretaceous amber (Lebanon) figured by Grimaldi & Engel (2005: Fig. 8.6) belongs not to Prionoglarididae but to Psyllipsocidae: Mockford, 2011: 45 (based on personal communication by C. Lienhard).
- Neotroglia brasiliensis* Lienhard, 2010. Morph.: Yoshizawa, 2011b (hindwing base structure).
- Prionoglaris stygia* Enderlein. France (I): Keller, 2011 (host of pathogenic fungus). Germany (I): Günther & Lienhard, 2011. Figs: Lienhard, 2011b.
- Siamoglaris* Lienhard, 2004. Revised diagnosis: Lienhard, 2011b: 294.
- Siamoglaris zebrina* Lienhard, 2004. Description of female: Lienhard, 2011b: 296 (scent setae on gonapophyses). Further description of male: Lienhard, 2011b: 298. Thailand (VIII).
- Siamoglaris theresiae*\* Lienhard, 2011b: 301. Thailand (VIII).

### Compsocidae

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

### Amphientomidae

- Key to Western Palaearctic amphientomids: Lienhard & Baz: 463.
- Libanomphientomum*\*\* Choufani, Azar & Nel, 2011: 150. Gender: N. Type species: *Libanomphientomum nudum* Choufani, Azar & Nel.
- Libanomphientomum nudum*\* Choufani, Azar & Nel, 2011: 151 (as *L. nudus*). Amber (Cretaceous) (A): Lebanon (I).
- Lithoseopsis* spec. Dominica (IV): Garcia Aldrete, 2011a.
- Marcenendius* Navas. Revised diagnosis: Lienhard & Baz, 2011: 453.

*Marcenendius angolensis* (Badonnel). Lienhard & Baz, 2011: 453, 454 (**from** *Nephax*).  
*Marcenendius fortunatus* (Navas). Lienhard & Baz, 2011: 453, 459 (**from** *Nephax*). Canary Islands, Cape Verde Islands (II). NOTE: Fig. 6b of Lienhard & Baz (2011) shows pronotal corcscrew hairs of nymph and not of female as erroneously indicated in the legend.  
*Marcenendius nostras* Navas. Redescription: Lienhard & Baz, 2011: 454. Spain (I).  
*Marcenendius illustris* Navas. **Synonymy**: Lienhard & Baz, 2011: 454.  
*Nephax* Pearman. Revised diagnosis: Lienhard & Baz, 2011: 462.  
*Nephax postalatus* Lienhard, 2009. United Arab Emirates (UAE) (I): Lienhard & Baz, 2011.  
*Nephax sofadanus* Pearman. Croatia, Cyprus, Greece, Israel (I): Lienhard & Baz, 2011.  
*Seopsis nepalensis* New. Lienhard & Baz, 2011: 462 (**from** *Nephax*).

### Liposcelididae

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

### Pachytroctidae

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

### Sphaeropsocidae

*Badonnelia titei* Pearman. Czech Republic (I): Holusa, 2009. Finland (I): Kanervo, 2010. Germany (I): Günther & Lienhard, 2011.  
*Sphaeropsocopsis insularum*\* Lienhard, 2011; *in*: Lienhard & Ashmole, 2011: 434. Saint Helena, Ascension Island (II).

*Sphaeropsocopsis* cf. *microps* Badonnel: Ashmole & Ashmole, 1997, 2000a; Lienhard, 2004d.  
*Sphaeropsocopsis myrtleae* Lienhard & Ashmole. Description of male, further description of female:  
Lienhard & Ashmole, 2011. Saint Helena (II): Mendel *et al.*, 2008; Lienhard & Ashmole, 2011.

### Epipsocidae

*Bertkauia lucifuga* (Rambur). Finland (I): Kanervo, 2010. Germany (I): Günther & Lienhard, 2011. Greece (I): Hollier *et al.*, 2011. Azores (II): Baz, 2010.  
*Mesepipsocus* spec. Dominica (IV): Garcia Aldrete, 2011a.

### Ptiloneuridae

*Loneura* Navas. Key to South American species: Garcia Aldrete *et al.*, 2011a (p. 36). Definition of species groups: Garcia Aldrete *et al.*, 2011b (p. 61).  
*Loneura* spec. Brazil, Colombia (V): Garcia Aldrete *et al.*, 2011b (p. 62, in key).  
*Loneura colombiana*\* Garcia Aldrete, Gonzalez & Carrejo, 2011: 35. Colombia (V).  
*Loneura gorgonaensis*\* Garcia Aldrete, Gonzalez & Sarria, 2011: 55. Colombia (V).  
*Loneura insularis*\* Garcia Aldrete, Gonzalez & Sarria, 2011: 57. Colombia (V).  
*Loneura mirandaensis* Garcia Aldrete, 2007. Colombia (V): Garcia Aldrete *et al.*, 2011a.  
*Loneura monticola*\* Garcia Aldrete, Gonzalez & Sarria, 2011: 59. Colombia (V).  
*Loneuroides venezolanus* Garcia Aldrete, 2006. Colombia (V): Garcia Aldrete *et al.*, 2011a.

### Caeciliusidae

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

### Stenopsocidae

*Graphopsocus cruciatus* (Linnaeus). Finland (I): Kanervo, 2010. Germany (I): Günther & Lienhard, 2011. Greece (I): Hollier *et al.*, 2011. Dominica (IV): Garcia Aldrete, 2011a. Colombia (V): Sarria, 2011.  
*Stenopsocus immaculatus* (Stephens). Finland (I): Kanervo, 2010. Germany (I): Günther & Lienhard, 2011.  
*Stenopsocus lachlani* Kolbe. Finland (I): Kanervo, 2010. Germany (I): Günther & Lienhard, 2011.  
*Stenopsocus stigmaticus* (Imhoff & Labram). Finland (I): Kanervo, 2010. Germany (I): Günther & Lienhard, 2011.

### Amphipsocidae

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

### Lachesillidae

*Amazolachesilla*\*\* Garcia Aldrete & Mockford, 2011c: 554 (genus assigned to Eolachesillinae, Graphocaeciliini). Gender: F. Type species: *Amazolachesilla ariasi* Garcia Aldrete & Mockford.  
*Amazolachesilla ariasi*\* Garcia Aldrete & Mockford, 2011c: 554. Brazil (V).  
*Hemicaecilius cuzcoensis*\* Garcia Aldrete & Mockford, 2011b: 420. Peru (V).

***Lachesilla*** Westwood. Garcia Aldrete, 2011a: List of known species groups (p. 483) and definition of two new species groups (p. 482): *L. palmera* group and *L. clavicularis* group. Garcia Aldrete, 2011b: Definition of the *L. asperiforceps* species complex (p. 825) within the *L. forcepeta* species group and key to the species of this complex (p. 826). Garcia Aldrete & Mockford, 2011d: Reappraisal of *L. patzunensis* species group and definition of *L. sclera* species group, with key to the species of the latter (p. 424) and figures of genitalia for several species.

***Lachesilla acapulcana*\*** Garcia Aldrete, 2011b: 826. Mexico (IV).

***Lachesilla acapulcanoides*\*** Garcia Aldrete, 2011b: 827. Mexico (IV).

***Lachesilla asperiforceps*** Garcia Aldrete, 2001. Further description: Garcia Aldrete, 2011b: 830.

***Lachesilla bernardi*** Badonnel. Germany (I): Günther & Lienhard, 2011. Greece (I): Hollier *et al.*, 2011.

***Lachesilla clavicularis*\*** Garcia Aldrete, 2011a: 482. Dominica (IV).

***Lachesilla dentata*\*** Garcia Aldrete & Mockford, 2010: 187. Mexico, Guatemala (IV).

***Lachesilla greeni*** (Pearman). Germany (I): Günther & Lienhard, 2011. Azores (II): Baz, 2010.

***Lachesilla latiforceps*\*** Garcia Aldrete, 2011b: 830. Guatemala, Mexico (IV).

***Lachesilla pedicularia*** (Linnaeus). Finland (I): Kanervo, 2010. Germany (I): Günther & Lienhard, 2011. Greece (I): Hollier *et al.*, 2011.

***Lachesilla picticeps*** Mockford. Mexico (IV): Castaño-Meneses *et al.*, 2005.

***Lachesilla pisaqensis*\*** Garcia Aldrete & Mockford, 2010: 188. Peru (V).

***Lachesilla quercus*** (Kolbe). Finland (I): Kanervo, 2010. Germany (I): Günther & Lienhard, 2011. Greece (I): Hollier *et al.*, 2011. USA (III): Stoaks, 2009.

***Lachesilla striatiforceps*\*** Garcia Aldrete, 2011b: 830. Mexico (IV).

***Lachesilla sulcata*** Garcia Aldrete. Description of male: Garcia Aldrete & Mockford, 2011d: 418. USA (III), Mexico (IV).

***Lachesilla tanaidana*** Roesler. Germany (I): Günther & Lienhard, 2011.

***Lachesilla zaragozai*\*** Garcia Aldrete & Mockford, 2010: 189. Mexico (IV).

***Waoraniella vidali*\*** Garcia Aldrete & Mockford, 2011a: 125. Brazil (V).

#### Ectopsocidae

***Ectopsocopsis cryptomeriae*** (Enderlein). Germany (I): Günther & Lienhard, 2011. Greece (I): Hollier *et al.*, 2011.

***Ectopsocopsis xerophylla*** Vishnyakova. Greece (I): Hollier *et al.*, 2011.

***Ectopsocus axillaris*** (Smithers). Great Britain (I): Alexander, 2009b.

***Ectopsocus briggsi*** McLachlan. Finland (I): Kanervo, 2010; Kanervo & Söderman, 2010 (species on Red List). Germany (I): Günther & Lienhard, 2011. Greece (I): Hollier *et al.*, 2011. Azores (II): Baz, 2010. Saint Helena (II): Mendel *et al.*, 2008; Lienhard & Ashmole, 2011.

***Ectopsocus californicus*** (Banks). Colombia (V): Sarria, 2011.

***Ectopsocus meridionalis*** Ribaga. Germany (I): Günther & Lienhard, 2011. Greece (I): Hollier *et al.*, 2011.

***Ectopsocus pumilis*** (Banks). Azores (II): Baz, 2010.

***Ectopsocus richardsi*** (Pearman). Azores (II): Baz, 2010.

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

***Ectopsocus titschacki*** Jentsch. Germany (I): Günther & Lienhard, 2011. Dominica (IV): Garcia Aldrete, 2011a. Colombia (V): Sarria, 2011.

***Ectopsocus vachoni*** Badonnel. Greece (I): Hollier *et al.*, 2011.

#### Peripsocidae

***Peripsocus alboguttatus*** (Dalman). Finland (I): Kanervo, 2010. Germany (I): Günther & Lienhard, 2011. Greece (I): Hollier *et al.*, 2011.

***Peripsocus bivari*** Baz. Azores (II): Baz, 2010.

***Peripsocus consobrinus*** Pearman. Finland (I): Kanervo, 2010; Kanervo & Söderman, 2010 (species on Red List).

***Peripsocus decellei*** Badonnel. Saint Helena (II): Mendel *et al.*, 2008; Lienhard & Ashmole, 2011.

***Peripsocus didymus*** Roesler. Finland (I): Kanervo, 2010. Germany (I): Günther & Lienhard, 2011.

***Peripsocus leleupi*** Badonnel. Ascension Island (II): Lienhard & Ashmole, 2011. Saint Helena (II): Ashmole & Ashmole, 2004; Mendel *et al.*, 2008; Lienhard & Ashmole, 2011.

***Peripsocus milleri*** (Tillyard). Azores (II): Baz, 2010.

***Peripsocus parvulus*** Kolbe. Finland (I): Kanervo, 2010. Germany (I): Günther & Lienhard, 2011.

***Peripsocus pauliani*** Badonnel. Ascension Island (II): Lienhard & Ashmole, 2011. Saint Helena (II): Mendel *et al.*, 2008; Lienhard & Ashmole, 2011.



*Peripsocus phaeopterus* (Stephens). Finland (I): Kanervo, 2010. Germany (I): Günther & Lienhard, 2011. Greece (I): Hollier *et al.*, 2011. Azores (II): Baz, 2010.  
*Peripsocus subfasciatus* (Rambur). Finland (I): Kanervo, 2010. Germany (I): Günther & Lienhard, 2011. Azores (II): Baz, 2010.

#### **Trichopsocidae**

*Trichopsocus clarus* (Banks). Finland (I): Kanervo, 2010. Germany (I): Günther & Lienhard, 2011. Great Britain (I): Alexander, 2008c, 2009b. Azores (II): Baz, 2010. Saint Helena (II): Mendel *et al.*, 2008; Lienhard & Ashmole, 2011.  
*Trichopsocus dali* (McLachlan). Germany (I): Günther & Lienhard, 2011. Greece (I): Hollier *et al.*, 2011.

#### **Pseudocaeciliidae**

*Pseudocaecilius citricola* (Ashmead). Dominica (IV): Garcia Aldrete, 2011a. Colombia (V): Sarria, 2011.  
*Pseudocaecilius tahitiensis* (Karny). Dominica (IV): Garcia Aldrete, 2011a.

#### **Philotarsidae**

*Aaroniella badonneli* (Danks). Azores (II): Baz, 2010.  
*Philotarsus parviceps* Roesler. Finland (I): Kanervo, 2010. Germany (I): Günther & Lienhard, 2011. Greece (I): Hollier *et al.*, 2011. Netherlands (I): Van Zuijlen & Belgers, 2011.  
*Philotarsus picicornis* (Fabricius). Finland (I): Kanervo, 2010. Germany (I): Günther & Lienhard, 2011. Netherlands (I): Van Zuijlen & Belgers, 2011. Azores (II): Baz, 2010.

#### **Elipsocidae**

*Cuneopalpus cyanops* (Rostock). Finland (I): Kanervo, 2010. Germany (I): Günther & Lienhard, 2011. Greece (I): Hollier *et al.*, 2011.  
*Elipsocus azoricus* Meinander. Azores (II): Baz, 2010.  
*Elipsocus brincki* Badonnel. Azores (II): Baz, 2010.  
*Elipsocus hyalinus* (Stephens). Finland (I): Kanervo, 2010. Germany (I): Günther & Lienhard, 2011. Greece (I): Hollier *et al.*, 2011.  
*Elipsocus moebiusi* Tetens. Finland (I): Kanervo, 2010. Germany (I): Günther & Lienhard, 2011. Greece (I): Hollier *et al.*, 2011.  
*Elipsocus pumilis* (Hagen). Finland (I): Kanervo, 2010.  
*Hemineura dispar* Tetens. Finland (I): Kanervo, 2010. Germany (I): Günther & Lienhard, 2011.  
*Pseudopsocus fusciceps* (Reuter). Finland (I): Kanervo, 2010. Germany (I): Günther & Lienhard, 2011.  
*Pseudopsocus meridionalis* Badonnel. Germany (I): Günther & Lienhard, 2011.  
*Pseudopsocus rostocki* Kolbe. Germany (I): Günther & Lienhard, 2011.  
*Reuterella helvimacula* (Enderlein). Finland (I): Kanervo, 2010. Germany (I): Günther & Lienhard, 2011.

#### **Mesopsocidae**

*Mesopsocus helveticus* Lienhard. Czech Republic (I): Holusa, 2009. Finland (I): Kanervo, 2010.  
*Mesopsocus immunis* (Stephens). Germany (I): Günther & Lienhard, 2011.  
*Mesopsocus laticeps* (Kolbe). Finland (I): Kanervo, 2010. Germany (I): Günther & Lienhard, 2011.  
*Mesopsocus unipunctatus* (Müller). Finland (I): Kanervo, 2010. Germany (I): Günther & Lienhard, 2011. Greece (I): Hollier *et al.*, 2011.  
*Psoculus neglectus* (Roesler). Germany (I): Günther & Lienhard, 2011.

#### **Hemipsocidae**

*Hemipsocus* spec. Dominica (IV): Garcia Aldrete, 2011a.  
*Hemipsocus africanus* Enderlein. Colombia (V): Sarria, 2011.

#### **Psocidae**

Molecular phylogeny: Yoshizawa *et al.*, 2011.  
Definition of three subfamilies (Kaindipsocinae, Amphigerontiinae, Psocinae), based on morphology of male terminalia and molecular analysis: Yoshizawa *et al.*, 2011.  
*Amphigerontia bifasciata* (Latreille). Finland (I): Kanervo, 2010. Germany (I): Günther & Lienhard, 2011.  
*Amphigerontia contaminata* (Stephens). Finland (I): Kanervo, 2010. Germany (I): Günther & Lienhard, 2011.  
*Amphigerontia intermedia* (Tetens). Finland (I): Kanervo, 2010; Kanervo & Söderman, 2010 (species on Red List).



*Atlantopsocus adustus* (Hagen). Great Britain (I): Alexander, 2009b. Azores (II): Baz, 2010.

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

*Blaste basilewskyi* Badonnel. Saint Helena (II): Mendel *et al.*, 2008; Lienhard & Ashmole, 2011 (figs).

*Blaste helenae*\* Lienhard, 2011; *in*: Lienhard & Ashmole, 2011: 439. Saint Helena (II).

*Blaste conspurcata* (Rambur). Finland (I): Kanervo, 2010. Germany (I): Günther & Lienhard, 2011. Greece (I): Hollier *et al.*, 2011.

'*Blaste*' *lunulata* species group. Assigned to subfamily Kaindipsocinae, morphology of male terminalia discussed: Yoshizawa *et al.*, 2011.

*Blaste quadrimaculata* (Latreille). Germany (I): Günther & Lienhard, 2011. Great Britain (I): Alexander, 2008c.

*Clematostigma* Enderlein. Assigned to subfamily Kaindipsocinae, morphology of male terminalia discussed: Yoshizawa *et al.*, 2011.

*Hyalopsocus contrarius* (Reuter). Finland (I): Kanervo, 2010. Germany (I): Günther & Lienhard, 2011.

*Hyalopsocus morio* (Latreille). Germany (I): Günther & Lienhard, 2011.

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

*Indiopsocus mendeli*\* Lienhard, 2011; *in*: Lienhard & Ashmole, 2011: 441. Ascension Island (II).

*Kaindipsocus* Smithers & Thornton. Assigned to subfamily Kaindipsocinae, morphology of male terminalia discussed: Yoshizawa *et al.*, 2011.

*Kimunpsocus chubsugulensis* (Günther). Mongolia (VIII): Varkonyi & Lienhard, 2011: 99 (**from** *Ptycta*).

*Kimunpsocus flavonimbatus* (Rostock). Finland (I): Varkonyi & Lienhard, 2011: 97 (**from** *Psocus*); description of male; habitat choice and distribution. Finland (I): Kanervo, 2010 (as *Psocidus flavonimbatus*); Kanervo & Söderman, 2010 (species on Red List, as *Psocidus flavonimbatus*). Eastern Russia (VIII): Varkonyi & Lienhard, 2011: 101 (female, tentative identification).

*Lasiopsocus* Enderlein. Assigned to subfamily Kaindipsocinae, morphology of male terminalia discussed: Yoshizawa *et al.*, 2011.

*Loensia fasciata* (Fabricius). Finland (I): Kanervo, 2010. Germany (I): Günther & Lienhard, 2011. Great Britain (I): Alexander, 2008c, 2009b. Greece (I): Hollier *et al.*, 2011.

*Loensia pearmani* Kimmins. Finland (I): Kanervo, 2010. Germany (I): Günther & Lienhard, 2011. Greece (I): Hollier *et al.*, 2011.

*Loensia variegata* (Latreille). Finland (I): Kanervo, 2010. Germany (I): Günther & Lienhard, 2011. Great Britain (I): Alexander, 2008c.

*Longivalvus* spec. Morph.: Yoshizawa, 2011b (hindwing base structure).

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

*Metylophorus nebulosus* (Stephens). Finland (I): Kanervo, 2010. Germany (I): Günther & Lienhard, 2011. Greece (I): Hollier *et al.*, 2011.

*Neopsocopsis hirticornis* (Reuter). Finland (I): Kanervo, 2010. Germany (I): Günther & Lienhard, 2011.

*Neopsocus rhenanus* Kolbe. Germany (I): Günther & Lienhard, 2011. Greece (I): Hollier *et al.*, 2011.

*Oreopsocus montanus* (Kolbe). Germany (I): Günther & Lienhard, 2011. Greece (I): Hollier *et al.*, 2011.

*Psococerastis gibbosa* (Sulzer). Finland (I): Kanervo, 2010. Germany (I): Günther & Lienhard, 2011.

*Psocus bipunctatus* (Linnaeus). Finland (I): Kanervo, 2010. Germany (I): Günther & Lienhard, 2011. Greece (I): Hollier *et al.*, 2011.

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

*Sigmatoneura* Enderlein. Revised diagnosis, biogeography, key to Chinese species: Liu Luxi *et al.*, 2011b.

*Sigmatoneura aquilis*\* Liu Luxi, Li Fasheng & Liu Zhiqi 2011b: 38. China (VIII).

*Sigmatoneura pinbiensis*\* Liu Luxi, Li Fasheng & Liu Zhiqi 2011b: 34. China (VIII).

*Steleops* Enderlein. Key to South American species: Gonzalez *et al.*, 2011a. Key to Neotropical species: Gonzalez *et al.*, 2011b.

*Steleops albertoneto*\* Gonzalez, Garcia Aldrete & Carrejo, 2011b: 32. Brazil (V).

*Steleops buitrensis*\* Gonzalez, Garcia Aldrete & Carrejo, 2011a: 23. Colombia (V). NOTE: the specific name is not a noun in apposition but an adjective (see "Etymology", p. 26).

*Steleops cashiriariensis*\* Gonzalez, Garcia Aldrete & Carrejo, 2011b: 33. Peru (V).

*Steleops chamelaensis*\* Gonzalez, Garcia Aldrete & Carrejo, 2011b: 35. Mexico (IV).

*Steleops cuzcoensis*\* Gonzalez, Garcia Aldrete & Carrejo, 2011b: 36. Peru (V).

*Steleops machupicchuensis*\* Gonzalez, Garcia Aldrete & Carrejo, 2011b: 38. Peru (V).

*Steleops manizalensis*\* Gonzalez, Garcia Aldrete & Carrejo, 2011b: 41. Colombia (V).

*Steleops mendivili*\* Gonzalez, Garcia Aldrete & Carrejo, 2011b: 44. Colombia (V).

*Steleops plenitudensis*\* Gonzalez, Garcia Aldrete & Carrejo, 2011b: 47. Colombia (V).

*Steleops pulcher* New. Colombia (V): Gonzalez *et al.*, 2011a.

*Steleops rioblancoensis*\* Gonzalez, Garcia Aldrete & Carrejo, 2011b: 50. Colombia (V).

*Steleops thorntoni*\* Gonzalez, Garcia Aldrete & Carrejo, 2011b: 52. Mexico (IV).  
*Symbiopsocus* Li Fasheng. Biogeography and key to species: Liu Luxi *et al.*, 2011a.  
*Symbiopsocus furcatus*\* Liu Luxi, Li Fasheng & Liu Zhiqi 2011a: 64. China (VIII).  
*Tanystigma* Smithers. Assigned to subfamily Kaindipsocinae, morphology of male terminalia discussed: Yoshizawa *et al.*, 2011.  
*Trichadenotecnum castum* Betz. Azores (II): Baz, 2010.  
*Trichadenotecnum circularoides* Badonnel. Azores (II): Baz, 2010.  
*Trichadenotecnum germanicum* Roesler. Finland (I): Kanervo, 2010. Germany (I): Günther & Lienhard, 2011.  
*Trichadenotecnum incognitum* Roesler. Finland (I): Kanervo, 2010. Germany (I): Günther & Lienhard, 2011.  
*Trichadenotecnum innuptum* Betz. Greece (I): Hollier *et al.*, 2011.  
*Trichadenotecnum majus* (Kolbe). Finland (I): Kanervo, 2010. Germany (I): Günther & Lienhard, 2011.  
*Trichadenotecnum sexpunctatum* (Linnaeus). Finland (I): Kanervo, 2010. Germany (I): Günther & Lienhard, 2011. Greece (I): Hollier *et al.*, 2011. Azores (II): Baz, 2010.

#### Myopsocidae

*Lichenomima* spec. Dominica (IV): Garcia Aldrete, 2011a.  
*Myopsocus eatoni* McLachlan. Azores (II): Baz, 2010. Saint Helena (II): Mendel *et al.*, 2008; Lienhard & Ashmole, 2011.

#### 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 10 of the "Additions", see **Synthesis of Parts 1-10**: [http://www.ville-ge.ch/mhng/psocoptera/divers/synthesis\\_add\\_1\\_10.pdf](http://www.ville-ge.ch/mhng/psocoptera/divers/synthesis_add_1_10.pdf)

Remarks: Papers with two authors are listed in alphabetical order of second authors after the chronological list of papers with the first author as unique author. Papers with more than two authors (i. e. "first author *et al.*"-papers) are listed chronologically after the two-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: <http://www.ville-ge.ch/mhng/psocoptera/page/ps-bibli.htm>

- Alexander, K. N. A. 2008c. Psocoptera (barkflies). *Devonshire Association for the Advancement of Science, Literature and the Arts, Report and Transactions* 140: 324-325.
- Alexander, K. N. A. 2009b. Psocoptera (barkflies). *Devonshire Association for the Advancement of Science, Literature and the Arts, Report and Transactions* 141: 359-360.
- Aminatou, B. A., Gautam, S. G., Opit, G. P., Talley, J. & Shakya, K. 2011. Population growth and development of *Liposcelis pearmani* (Psocoptera: Liposcelididae) at constant temperatures and relative humidities. *Environmental Entomology* 40(4): 788-796. **(Only abstract seen)**.
- Ashmole, P. & Ashmole, M. 2004. The invertebrates of Prosperous Bay Plain, St Helena. A survey, September – December 2003, commissioned by the St Helena Government and financed by the Foreign and Commonwealth Office, 80 pp. (Unpublished report). (Psoc.: p. 34 and Table 1).
- Athanassiou, C. G., Arthur, F. H. & Throne, J. E. 2010d. Efficacy of methoprene for control of five species of psocids (Psocoptera) on wheat, rice, and maize. *Journal of Food Protection* 73(12): 2244-2249. **(Only abstract seen)**.
- Athanassiou, C. G., Arthur, F. H., Kavallieratos, N. G. & Throne, J. E. 2011. Efficacy of pyriproxyfen for control of stored-product psocids (Psocoptera) on concrete surfaces. *Journal of Economic Entomology* 104(5): 1765-1769. **(Only abstract seen)**.
- Azar, D. & Nel, A. 2011. The oldest psyllipsocid booklice, in Lower Cretaceous amber from Lebanon (Psocodea, Trogiomorpha, Psocathropetae, Psyllipsocidae). *ZooKeys* 130: 153-165, 12 figs.
- Baz, A. 2010. Ordem Psocoptera (p. 214). In: Borges, P. A. V., Costa, A., Cunha, R., Gabriel, R., Gonçalves, V., Martins, A. F., Melo, I., Parente, M., Raposeiro, P., Rodrigues, P., Santos, R. S., Silva, L., Vieira, P. & Vieira, V. (eds). A list of the terrestrial and marine biota from the Azores. *Principia, Cascais*, 432 pp.
- Beckett, S. J. 2011. Insect and mite control by manipulating temperature and moisture before and during chemical-free storage. *Journal of Stored Products Research* 47: 284-292.
- Bonjour, E. L., Opit, G. P., Hardin, J., Jones, C. L., Payton, M. E. & Beeby, R. L. 2011. Efficacy of ozone

- fumigation against the major grain pests in stored wheat. *Journal of Economic Entomology* 104(1): 308-316. **(Only abstract seen)**.
- Brasero, N., Nel, A. & Michez, D. 2009. Insects from the Early Eocene amber of Oise (France): diversity and palaeontological significance. *Denisia* 26 (=Kataloge der oberösterreichischen Landesmuseen, Neue Serie 86): 41-52, 4 figs.
- Britton, D. 2011. Inspirational voice of Australian Museum: Courtenay Smithers, 1925-2011. Online: <http://www.smh.com.au/national/obituaries/inspirational-voice-of-australian-museum-20110629-1gqu3.html>
- Castaño-Meneses, G., Palacios-Vargas, J. G., Torres-Puga, E. & Mohar-Fresan, M. 2005. Biospeleology of Juxtlahuaca Caves: 20 years later. *Proceedings of the 14th International Congress of Speleology, 21-28 August 2005, Athens, Kalamos, Hellas*. Vol. 1: article O-44, 7 pp. (pages not numbered). (Psoc.: 2 species mentioned in Table 1).
- Choufani, J. 2010. Etude d'un nouveau genre et espèce d'Amphientomidae de l'ambre du Crétacé Inférieur du Liban. *Mémoire de Master 2 professionnel (Gestion et Conservation des Ressources Naturelles), Faculté des Sciences II, Université Libanaise, Fanar*, viii+58 pp. (Unpublished; for published version see Choufani, Azar & Nel, 2011).
- Choufani, J., Azar, D. & Nel, A. 2011. The oldest amphientomete booklouse [sic!] from Lower Cretaceous amber of Lebanon (Psocodea: Troctomorpha). *Insects Systematics & Evolution* 42: 149-159, 8 figs.
- De Wilde, A. 2011. Foto omslag (cover photograph): *Dorypteryx longipennis* (Psocoptera). *Entomologische Berichten* 71(2): cover.
- Di Iorio, O. & Turienzo, P. 2011. A preliminary bibliographic survey of the insects found in poultry houses from the Neotropical Region, with remarks on selected taxa shared with native birds' nests. *Zootaxa* 2858: 1-60. **(Only abstract seen)**.
- Dominguez Umpierrez, J. E. & Marrero Artabe, L. 2010. Catalogo de la entomofauna asociada a almacenes de alimentos en la provincia de Matanzas. *Fitosanidad* 14(2): 75-82. **(Only abstract seen)**.
- FaEu Bureau 2004. Psocoptera. In: Fauna Europaea. Online: <http://www.faunaeur.org/>
- Faucheux, M. J. 2009. Sensilles auricilliformes sur les palpes maxillaires du Pou des livres, *Liposcelis divinatorius* Mueller (Psocoptera: Liposcelidae). *Bulletin de la Société des Sciences Naturelles de l'Ouest de la France* 31(4): 191. **(Not seen)**.
- Garcia Aldrete, A. N. 2011a. A new species of *Lachesilla* (Psocodea: 'Psocoptera': Lachesillidae) from Dominica, representing a new species group. *Revista Mexicana de Biodiversidad* 82: 481-484, 4 figs.
- Garcia Aldrete, A. N. 2011b. The *Lachesilla asperiforceps* species complex of the *L. forcepeta* species group (Psocodea: 'Psocoptera': Lachesillidae). *Revista Mexicana de Biodiversidad* 82: 825-835, 35 figs.
- Garcia Aldrete, A. N. & Mockford, E. L. 2010. Three new species of *Lachesilla* in the group *andra*, from Mexico, Guatemala and Peru (Psocodea: 'Psocoptera': Lachesillidae). *Dugesiana* 17(2): 187-191, 17 figs.
- Garcia Aldrete, A. N. & Mockford, E. L. 2011a. A new species of *Waoraniella* (Psocodea: 'Psocoptera': Lachesillidae: Eolachesillinae) from the Reserva Florestal Ducke, Amazonas, Brazil. *Acta Zoologica Mexicana (n. s.)* 27(1): 123-127, 5 figs.
- Garcia Aldrete, A. N. & Mockford, E. L. 2011b. A new species of *Hemicaecilius* Enderlein based on a male from Cuzco, Peru (Psocodea: 'Psocoptera': Lachesillidae). *Acta Zoologica Mexicana (n. s.)* 27(2): 419-423, 5 figs.
- Garcia Aldrete, A. N. & Mockford, E. L. 2011c. *Amazolachesilla*, a new genus of Eolachesillinae (Insecta: Psocodea: 'Psocoptera': Lachesillidae) from Amazonas, Brazil. *Acta Amazonica* 41(4): 553-556, 5 figs.
- Garcia Aldrete, A. N. & Mockford, E. L. 2011d. The male *Lachesilla sulcata* Garcia Aldrete 1986 and a reappraisal of species group *patzunensis* (Psocodea: 'Psocoptera': Lachesillidae). *Proceedings of the Entomological Society of Washington* 113(4): 417-425, 24 figs.
- Garcia Aldrete, A. N., Gonzalez Obando, R. & Carrejo, N. S. 2011. A new *Loneura* from Colombia, and Colombian records of *L. mirandaensis* Garcia Aldrete, and *Loneuroides venezolanus* Garcia Aldrete (Psocodea: 'Psocoptera': Ptiloneuridae). *Dugesiana* 18(1): 35-37, 5 figs. (=Garcia Aldrete *et al.* 2011a).
- Garcia Aldrete, A. N., Gonzalez Obando, R. & Sarria Sarria, F. A. 2011. Three new species of *Loneura* (Psocodea: 'Psocoptera': Ptiloneuridae) from Gorgona Island, Cauca, Colombia, with a new infrageneric classification. *Zootaxa* 3050: 55-62, 15 figs. (=Garcia Aldrete *et al.* 2011b).
- Gonzalez Obando, R., Garcia Aldrete, A. N. & Carrejo, N. S. 2011a. A new species of *Steleops* Enderlein, and a Colombian record of *S. pulcher* New (Psocodea: 'Psocoptera': Psocidae). *Zootaxa* 2735: 23-27, 17 figs. (=Gonzalez *et al.* 2011a).
- Gonzalez Obando, R., Garcia Aldrete, A. N. & Carrejo, N. S. 2011b. New species of *Steleops* (Psocodea: 'Psocoptera': Psocidae) from Brazil, Colombia, Mexico and Peru. *Zootaxa* 3139: 28-54, 75 figs. (=Gonzalez *et al.* 2011b).
- Green, P. W. C. 2011. Insect-derived compounds affect the behaviour of *Liposcelis bostrychophila*: Effects

- of combination and structure. *Journal of Stored Products Research* 47: 262-266, 4 figs.
- Günther, K. K. & Lienhard, C. 2011. Psocoptera – Staubläuse (pp. 143-155, 9 figs). In: Klausnitzer, B. (ed.). Exkursionsfauna von Deutschland. Vol. 2 (Wirbellose: Insekten). 11., neu bearbeitete und erweiterte Auflage. *Spektrum Akademischer Verlag Heidelberg*, 976 pp.
- Hassan, M. W., Dou Wei, Chen Li, Jiang Hong-Bo & Wang Jin-Jun 2011. Development, survival, and reproduction of the psocid *Liposcelis yunnaniensis* (Psocoptera: Liposcelididae) at constant temperatures. *Journal of Economic Entomology* 104(4): 1436-1444. **(Only abstract seen)**.
- Hollier, J., Lienhard, C. & Ramel, G. 2011. The Psocoptera of the Wetland Kerkin Nature Reserve, with eight species new for Greece. *Entomologist's Monthly Magazine* 147: 89-91.
- Holusa, O. 2009. First records of *Badonnelia titei* Pearman, 1953 (Psocoptera: Sphaeropsocidae) and *Mesopsocus helveticus* Lienhard, 1977 (Psocoptera: Mesopsocidae) in the Czech Republic. *Silva Gabreta* 15(3): 201-203.
- Holusa, O. & Kucerova, Z. 2010. New records of psocid *Liposcelis palatina* (Psocoptera: Liposcelididae) from Slovakia. *Acta Musei Beskidensis* 2: 195.
- Ineichen, S. & Ruckstuhl, M. (eds). Stadtfauna, 600 Tierarten der Stadt Zürich. *Haupt Verlag, Bern*, 446 pp. (Psoc.: p. 170, 1 fig).
- Ishiwata, K., Sasaki, G., Ogawa, J., Miyata, T. & Su, Z.-H. 2011. Phylogenetic relationships among insect orders based on three nuclear protein-coding gene sequences. *Molecular Phylogenetics and Evolution* 58: 169-180.
- Jiang Hong-Bo, Shen Guang-Mao, Dou Wei, Tang Pei-An, Liu Yong-Hua, Zhou An-Wei & Wang Jin-Jun 2011. Identification and expression of a beta-actin gene from *Liposcelis bostrychophila* Badonnel (Psocoptera: Liposcelididae). *Agricultural Sciences in China* 10(9): 1391-1401. **(Only abstract seen)**.
- Kanervo, J. 2010. Suomen jäytiäiset / The Psocoptera of Finland. Online: <http://www.sci.utu.fi/projects/biologia/elainmuseo/hemi/psoc/psocmaps.htm>
- Kanervo, J. & Söderman, G. 2010. Jäytiäiset / Psocoptera (pp. 423-425). In: Rassi, P., Hyvärinen, E., Juslen, A. & Mannerkoski, I. The 2010 Red List of Finnish Species. *Ministry of the Environment and Finnish Environment Institute, Helsinki*, 685 pp.
- Kavallieratos, N. G., Athanassiou, C. G., Hatzikonstantinou, A. N. & Kavallieratou, H. N. 2011. Abiotic and biotic factors affect efficacy of chlorfenapyr for control of stored-product insect pests. *Journal of Food Protection* 74(8): 1288-1299. **(Only abstract seen)**.
- Keller, S. 2011. *Pandora psocopterae*, a new species of insect-pathogenic Entomophthoraceae (Fungi, Entomophthoromycetes) from France. *Mitteilungen der Schweizerischen Entomologischen Gesellschaft* 84: 181-183, 3 figs.
- Kucerova, Z. & Kalinovic, I. 2010. First record of *Embidopsocus enderleini* (Ribaga, 1905) (Psocoptera: Liposcelididae) for Croatia. *Entomologia Croatica* 14: 135-137, 2 figs.
- Li Zhi-Hong, Kucerova, Z., Zhao Shuo, Stejskal, V., Opit, G. & Qin Meng 2011. Morphological and molecular identification of three geographical populations of the storage pest *Liposcelis bostrychophila* (Psocoptera). *Journal of Stored Products Research* 47: 168-172, 3 figs.
- Lienhard, C. 2011a. Additions and Corrections (Part 10) to Lienhard & Smithers, 2002: "Psocoptera (Insecta) - World Catalogue and Bibliography" (pp. 1-18). In: Yoshizawa, K. (ed.). Psocid News. The Psocidologists' Newsletter. No. 13 (February 28, 2011). *Systematic Entomology, Faculty of Agriculture, Hokkaido University, Sapporo*, 19 pp.
- Lienhard, C. 2011b. A new species of *Siamoglaris* from Thailand with complementary description of the type species (Psocodea: 'Psocoptera': Prionoglarididae). *Revue suisse de Zoologie* 118(2): 293-306, 7 figs.
- Lienhard, C. 2011c. Synthesis of Parts 1-10 of the Additions and Corrections to Lienhard & Smithers, 2002: "Psocoptera (Insecta) – World Catalogue and Bibliography". *Natural History Museum of the City of Geneva*, 232 pp. Online (pdf, 2.1M): [http://www.ville-ge.ch/mhng/psocoptera/divers/synthesis\\_add\\_1\\_10.pdf](http://www.ville-ge.ch/mhng/psocoptera/divers/synthesis_add_1_10.pdf)
- Lienhard, C. & Ashmole, N. P. 2011. The Psocoptera (Insecta: Psocodea) of St Helena and Ascension Island (South Atlantic) with a new record from South Africa. *Revue suisse de Zoologie* 118(3): 423-449, 9 figs.
- Lienhard, C. & Baz, A. 2011. Redescription of the genus *Marcenendius* Navas (Psocodea: 'Psocoptera': Amphientomidae) with a key to western Palaearctic amphientomids. *Revue suisse de Zoologie* 118(3): 451-466, 6 figs.
- Liu Luxi, Li Fasheng & Liu Zhiqi 2011a. *Symbiopsocus* Li (Psocoptera: Psocidae), with a new species from China. *Zootaxa* 2780: 63-68, 12 figs.
- Liu Luxi, Li Fasheng & Liu Zhiqi 2011b. The genus *Sigmatoneura* Enderlein (Psocoptera: Psocidae), with two new species from China. *Zootaxa* 2999: 33-41, 19 figs.

- Mendel, H., Ashmole, P. & Ashmole, M. 2008. Invertebrates of the Central Peaks and Peak Dale, St Helena (with additional records from other sites). Based on a survey commissioned by the St Helena National Trust, 122 pp. (Unpublished report). (Psoc.: pp. 61-63).
- Mockford, E. L. 2011. New species of *Psyllipsocus* (Psocoptera: Psyllipsocidae) from North and Middle America with a key to the species of the region. *Transactions of the American Entomological Society* 137: 15-47, 110 figs.
- Monroy, F., Aira, M. & Dominguez, J., 2011. Epigeic earthworms increase soil arthropod populations during first steps of decomposition of organic matter. *Pedobiologia* 54(2): 93-99. **(Only abstract seen)**.
- Opit, G. P., Arthur, F. H., Bonjour, E. L., Jones, C. L. & Phillips, T. W. 2011. Efficacy of heat treatment for desinfestation of concrete grain silos. *Journal of Economic Entomology* 104(4): 1415-1422. **(Only abstract seen)**.
- Perotin, J.-M., Scherer, P., Leduc, V., Bouchet, F., Deslee, G. & Lavaud, F. 2011. Allergic asthma to psocids, a new indoor allergen of ecological building materials. *Allergy* 66: 1257-1258, 1 fig.
- Perotti, M. A., Kirkness, E. F., Reed, D. L. & Braig, H. R. 2009. Endosymbionts of lice (pp. 205-219). In: Bourtzis, K. & Miller, T. A. (eds). *Insects symbiosis*. Vol 3. *Taylor & Francis, Boca Raton*, xvii+408 pp. **(Not seen)**.
- Sabu, T. K., Shiju, R. T., Vinod, K. V. & Nithya, S. 2011. A comparison of the pitfall trap, Winkler extractor and Berlese funnel for sampling ground-dwelling arthropods in tropical montane cloud forests. *Journal of Insect Science* 11: article no. 28. **(Only abstract seen)**.
- Sarria Sarria, F. A. 2011. Psocopteros (Insecta: 'Psocoptera') de cuatro biotopos del Parque Nacional Natural Gorgona (Cauca, Colombia). *BSc thesis, Facultad de Ciencias Naturales y Exactas, Programa Academico de Biologia, Universidad Del Valle, Santiago de Cali, Colombia*, xii+63 pp. (Unpublished).
- Shreve, S. M., Mockford, E. L. & Johnson, K. P. 2011. Elevated genetic diversity of mitochondrial genes in asexual populations of bark lice ('Psocoptera': *Echmepteryx hageni*). *Molecular Ecology* 20: 4433-4451, 6 figs.
- Stoaks, R. 2009. Rare and unusual arthropod ecology, behavior and occurrence at hummingbird feeders in northern California. *Pan-Pacific Entomologist* 85(4): 194-198. **(Only abstract seen)**.
- Thepparit, C., Sunyakumthorn, P., Guillotte, M. L., Popov, V. L., Foil, L. D. & Macaluso, K. R. 2011. Isolation of a rickettsial pathogen from a non-hematophagous arthropod. *Plos One* 6(1): article no. e16396. **(Only abstract seen)**.
- Van Zuijlen, J. W. A. 2010. 'Psocoptera', stofluizen (pp. 210-211, 2 figs). In: Noordijk, J., Kleukers, R. M. J. C., van Nieuwerkerken, E. J. & van Loon, A. J. (eds). *De Nederlandse biodiversiteit. Nederlandse Fauna 10, Nederlands Centrum voor Biodiversiteit Naturalis & European Invertebrate Survey - Nederland, Leiden*, 510 pp.
- Van Zuijlen, J. W. A. & Belgers, J. D. M. 2011. De stofluis *Philotarsus parviceps* nieuw voor Nederland (Psocoptera: Philotarsidae). *Entomologische Berichten* 71(2): 46-49, 5 figs.
- Varkonyi, G. & Lienhard, C. 2011. Taxonomy, habitat choice and distribution of *Kimunpsocus flavonimbatus* (Rostock, 1879) comb. n. (Psocodea: 'Psocoptera': Psocidae). *Entomologica Fennica* 22: 97-105, 4 figs.
- Walker, M. K., Howlett, B. G., Wallace, A. R., McCallum, J. A. & Teulon, D. A. J. 2011. The diversity and abundance of small arthropods in onion, *Allium cepa*, seed crops, and their potential role in pollination. *Journal of Insect Science* 11: article no. 98. **(Only abstract seen)**.
- Wei Dan-Dan, Yuan Ming-Long, Wang Zhi-Ying, Wang De, Wang Bao Jun, Dou Wei & Wang Jin-Jun 2011. Sequence analysis of the ribosomal internal transcribed spacers region in psocids (Psocoptera: Liposcelididae) for phylogenetic inference and species discrimination. *Journal of Economic Entomology* 104(5): 1720-1729. **(Only abstract seen)**.
- Yoshizawa, K. (ed.) 2011a. Psocid News. The Psocidologists' Newsletter. No. 13 (February 28, 2011). *Systematic Entomology, Faculty of Agriculture, Hokkaido University, Sapporo*, 19 pp.
- Yoshizawa, K. 2011b. Monophyletic Polyneoptera recovered by wing base structure. *Systematic Entomology* 36: 377-394, 15 figs.
- Yoshizawa, K., Bess, E. & Johnson, K. P. 2011. Kaindipsocinae is a sister taxon to the rest of Psocidae (Insecta: Psocodea: 'Psocoptera'). *Invertebrate Systematics* 25: 81-90, 5 figs.



## 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>> and 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. 2013. Please let me have all contributions by Jan. 31 2013.

**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>