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Psocid News

The Psocidologists' Newsletter

No. 12 (Feb. 28, 2010)



Liposcelis bostrychophila (photo by Albert de Wilde)

THE PSOCODEA SPECIES FILE

Emilie Bess & Kevin Johnson (Illinois Natural History Survey, USA)

Taxonomic catalogues serve as fundamental compilations of information on taxonomy. However, as new species are described and other taxonomic revisions are made, these printed catalogues quickly become out of date. Considerable time investment goes into the production of these catalogues, and because of this, printed catalogues are produced infrequently. One solution to this problem is to have a web based database that contains taxonomic information for a group of interest. Such a database can then be updated by experts in the field as new taxonomic information becomes available, and it can serve as a catalogue of taxonomic data in perpetuity that is always up to date.

The Psocodea Species File is an Internet-accessible taxonomic database that contains data for bark lice and parasitic lice, including synonymies and citations for all recognized species. Users can easily search the database using several types of queries, including taxon name, author, citation year, or locality. The database currently contains data from Lienhard and Smithers 2002 *Psocoptera (Insecta): World Catalogue and Bibliography*. Updates for Psocoptera are in the process of being added. Data from major Phthiraptera catalogs will be added at a later date, together with host associations. When completed this database will house data from over 10,000 valid species and associated data.

Psocodea Species File uses Species File Software developed at the Illinois Natural History Survey by a team lead by Dr. David Eades. The software enforces ICZN regulations on nomenclature and has been used to build databases for nine insect groups. Visit the Psocodea Species File <http://psocodea.speciesfile.org> and the Species File Software project <http://software.speciesfile.org> for more information. Contributors to the Psocodea Species File include Kevin Johnson, Vincent Smith, Emilie Bess, and Charles Lienhard.

ADDITIONS AND CORRECTIONS (PART 9) TO LIENHARD & SMITHERS, 2002: "PSOCOPTERA (INSECTA) - WORLD CATALOGUE AND BIBLIOGRAPHY"

Charles Lienhard (Geneva Natural History Museum, Switzerland)

1. Introduction

This is the 9th part of a series of "Additions and Corrections to the World Catalogue and Bibliography" published in "Psocid News" (Parts 1-8 in Psocid News no. 4-11). Please send me regularly copies of your papers on Psocoptera, and please inform me about errors that you find in the 2002-book (= 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 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. The other papers will be analysed in a future part of the "Additions to the Catalogue", as soon as a copy of them becomes available to me.

In general these "Additions" present the information in the style of the 2002-book, 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 the 2002-book, except for changes published since (see "Additions", Parts 1-8). For each family, newly published changes concerning supra-generic taxa are mentioned at the beginning of the family treatment, except for Psocidae, where subfamilies are treated separately. For genus-group names and species-group names already mentioned in the 2002-book only the author is cited, 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 mentioned in the 2002-Catalogue, but cited in a preceding part of the "Additions", author and year are mentioned [the complete reference can be found in the Part of the "Additions", where the name has been cited for the first time (= first entry of a new name)]. Genera are listed alphabetically within each family, except for Psocidae, where they are grouped according to subfamilies. Species are listed alphabetically within each genus. Species names are usually cited in the combination used in the 2002-book, if not an explicit change of combination (or a new synonymy) has been published since. Country names (in the "Additions to the Catalogue") and author names (in the "Additions to the Bibliography") are not printed in small capitals, as in the 2002-book, but in normal letters. The "Corrections" refer to the pages of the 2002-book and the changes proposed here are usually underlined.

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

Complete bibliographical references to publications cited in the present paper, which are not listed in Chapter 4 (Additions to the Bibliography), can be found in the World Bibliography (Lienhard & Smithers, 2002: 493-664) or in Parts 1 to 8 of the "Additions" (Psocid News, no. 4-11).

2. List of countries mentioned in the "Additions and Corrections to the World Catalogue" (Parts 1-9)

Country checklists of Psocoptera species extracted from the 2002-World Catalogue are available 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 9 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, most of them recorded 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 on the PsocoNet Homepage <<http://www.psocodea.org>> and the Hokkaido University Collection of Scholarly and Academic Papers (HUSCAP) <<http://hdl.handle.net/2115/35519>>

- Part 1: published in Psocid News, no. 4: 2-24
- Part 2: published in Psocid News, no. 5: 2-37
- Part 3: published in Psocid News, no. 6: 1-23
- Part 4: published in Psocid News, no. 7: 1-16
- Part 5: published in Psocid News, no. 8: 1-18
- Part 6: published in Psocid News, no. 9: 1-17
- Part 7: published in Psocid News, no. 10: 1-18
- Part 8: published in Psocid News, no. 11: 2-16
- Part 9: published in Psocid News, no. 12 (= present issue)

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

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

(III) Canada (Parts 4, 6, 7, 8), USA (Parts 1, 4, 5, 6, 7, 8, 9)

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

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

- (VI) Ghana (Part 4), Guinea (Part 1), Kenya (Part 4), Madagascar (Part 5), Malawi (Part 3), Namibia (Parts 1, 6, 7, 8), South Africa (Parts 3, 6, 7, 8), Tanzania (Parts 3, 4), Uganda (Part 6)
- (VIII) Brunei (Parts 5, 6), China (Parts 2, 3, 5, 6, 7, 8, 9), Hong Kong (Part 5), India (Parts 3, 5, 6, 7), Indonesia (Parts 1, 3, 5, 6), Japan (Parts 1, 4, 6, 7, 8, 9), Kuril Islands (Part 4), Kyrgyzstan (Part 5), Laos (Parts 5, 6), Malaysia (Parts 1, 5, 6, 8), Myanmar (Parts 6, 8), Nepal (Part 7), New Guinea (Parts 3, 5, 8), Philippines (Parts 3, 5, 6), Russia (Part 1), 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), USSR (Parts 4, 9), Vietnam (Parts 4, 5, 6, 8)
- (IX) Australia (Parts 1, 4, 5, 6, 7, 8), 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)

3. Additions to the Catalogue

Psocoptera

Fremlin, 2007 (predation by larvae and imagines of ladybirds, Coleoptera, and lacewing larvae, Neuroptera). Schmidt & New, 2008 (IX) (Tasmania: Systematics, biogeography, keys to species). Anu *et al.*, 2009 (VIII) (India: Psoc. in litter, ecology). Johnson & Smith, 2009 (species file online). Lienhard, 2009a (additions and corrections to the World Catalogue). Lienhard, 2009c (I) (Austria: Review of faunistics). O'Neill & O'Neill, 2009 (Psoc. as nest associates of Sphecidae). Paris & Espadaler, 2009 (predation by ants). Saville, 2009a (I) (Great Britain and Ireland: National Barkfly Recording Scheme, online database and keys). Shao *et al.*, 2009 (minicircular chromosomes not present in Psocoptera). Yoshizawa, 2009a (newsletter).

Psocoptera fam. gen. spec. Di Iorio & Turienzo, 2009: Several unidentified psocids in birds' nests recorded from the following countries: Mexico (IV), Brazil (V). For identified psocids mentioned in this paper, see families below.

Lepidopsocidae

Lepidopsocidae gen. spec. Jamaica, Mexico (IV): Di Iorio & Turienzo, 2009 (in birds' nests).
Echmepteryx alpha Garcia Aldrete. Mexico (IV): Di Iorio & Turienzo, 2009 (in birds' nests).
Echmepteryx angusta New. Brazil (V): Garcia Aldrete & Mockford, 2009.
Echmepteryx bishopi New. Brazil (V): Garcia Aldrete & Mockford, 2009.
Echmepteryx falco Badonnel. Brazil (V): Garcia Aldrete & Mockford, 2009.
Echmepteryx fuscata New. Brazil (V): Garcia Aldrete & Mockford, 2009.
Echmepteryx intermedia Mockford. Mexico (IV): Di Iorio & Turienzo, 2009 (in birds' nests).
Echmepteryx lealae New. Brazil (V): Garcia Aldrete & Mockford, 2009.
Echmepteryx lutosa Mockford. Brazil (V): Garcia Aldrete & Mockford, 2009.
Echmepteryx madagascariensis (Kolbe). Brazil (V): Garcia Aldrete & Mockford, 2009.
Echmepteryx uniformis Mockford. Brazil (V): Garcia Aldrete & Mockford, 2009.
Nepticulomima brasiliensis (Enderlein). Brazil (V): Garcia Aldrete & Mockford, 2009.
Nepticulomima pulvillata New. Brazil (V): Garcia Aldrete & Mockford, 2009.
Notolepium brasiliense New. Brazil (V): Garcia Aldrete & Mockford, 2009.
Proentomus personatum Badonnel. Brazil (V): Garcia Aldrete & Mockford, 2009.
Pteroxanium spec. Brazil (V): Garcia Aldrete & Mockford, 2009.
Pteroxanium kelloggi (Ribaga). Ireland (I): Alexander & Saville, 2008. Tasmania (IX): Schmidt & New, 2008.
Soa flaviterminata Enderlein. Brazil (V): Garcia Aldrete & Mockford, 2009.
Soa violacea New. Brazil (V): Garcia Aldrete & Mockford, 2009.
Thylacella cubana (Banks). Mexico (IV): Di Iorio & Turienzo, 2009 (in birds' nests).

Trogiidae

Trogiidae gen. spec. Mexico (IV): Di Iorio & Turienzo, 2009 (in birds' nests).
Cerobasis guestfalica (Kolbe). Ireland (I): Alexander & Saville, 2008. Brazil (V): Garcia Aldrete & Mockford, 2009. Tasmania (IX): Schmidt & New, 2008.
Cerobasis treptica Thornton & Woo. Mexico (IV): Di Iorio & Turienzo, 2009 (in birds' nests).
*Lepinotus huoni** Schmidt & New, 2008: 80. Tasmania (IX).
Lepinotus inquilinus Heyden. Tasmania (IX): Schmidt & New, 2008.
Lepinotus patruelis Pearman. Tasmania (IX): Schmidt & New, 2008.
Lepinotus reticulatus Enderlein. Tasmania (IX): Schmidt & New, 2008. Pest: Athanassiou *et al.*, 2009 (control); Stejskal *et al.*, 2008 (grain infestation, sampling methods).
Lepinotus tasmaniensis Hickman. Tasmania (IX): Schmidt & New, 2008.
Trogium pulsatorium (Linnaeus). Tasmania (IX): Schmidt & New, 2008.

Psoquillidae

Psoquilla marginepunctata Hagen. Brazil (V): Garcia Aldrete & Mockford, 2009.
Rhyopsocus bentonae Sommerman. Mexico (IV): Di Iorio & Turienzo, 2009 (in birds' nests).
Rhyopsocus orthatus Thornton & Woo. Mexico (IV): Di Iorio & Turienzo, 2009 (in birds' nests).
Rhyopsocus rafaeli Garcia Aldrete, 2004e. Brazil (V): Garcia Aldrete & Mockford, 2009.

Rhyopsocus texanus (Banks). Mexico (IV): Di Iorio & Turienzo, 2009 (in birds' nests).

Psyllipsocidae

Psyllipsocidae gen spec. Brazil (V): Di Iorio & Turienzo, 2009 (in birds' nests).

Dorypteryx longipennis Smithers. Netherlands (I): De Wilde, 2009.

*Dorypteryx yunnanica** Li Fasheng & Liu Xingyue, 2009: 64. China (VIII).

Psocathropos lachlani Ribaga. Mexico (IV): Di Iorio & Turienzo, 2009 (in birds' nests). Brazil (V): Garcia Aldrete & Mockford, 2009.

*Psyllipsocus disparunguis** Lienhard, 2009b: 49. UAE (I).

Psyllipsocus spec. Lienhard, 2008a: 108. See Lienhard, 2009b: 49.

Psyllipsocus oculatus Gurney. Mexico (IV): Di Iorio & Turienzo, 2009 (in birds' nests).

Psyllipsocus ramburii Selys-Longchamps. Italy (I): Grafitti, 2007 (Sardinia, in caves). Tasmania (IX): Schmidt & New, 2008.

Psyllipsocus yucatan Gurney. Brazil (V): Garcia Aldrete & Mockford, 2009.

Troctopsocidae

Troctopsocus brasiliensis New. Brazil (V): Garcia Aldrete & Mockford, 2009.

Troctopsocus separatus (Roesler). Brazil (V): Garcia Aldrete & Mockford, 2009.

Musapsocidae

Musapsocus mockfordi New. Brazil (V): Garcia Aldrete & Mockford, 2009.

Musapsocus newi Mockford. Brazil (V): Garcia Aldrete & Mockford, 2009.

Amphientomidae

Marcenendius nostras Navas. Spain (I): Baz, 2007 (Navas' record cited).

*Nephax postalatus** Lienhard, 2009b: 50. UAE (I).

Nephax spec. Lienhard, 2008a: 108. See Lienhard, 2009b: 49.

Seopsocus acuminatus Roesler. Brazil (V): Garcia Aldrete & Mockford, 2009.

Seopsocus albiceps Mockford. Brazil (V): Garcia Aldrete & Mockford, 2009.

Seopsocus fasciatus Mockford. Brazil (V): Garcia Aldrete & Mockford, 2009.

Seopsocus rafaelli Mockford. Brazil (V): Garcia Aldrete & Mockford, 2009.

Seopsocus rotundatus Mockford. Brazil (V): Garcia Aldrete & Mockford, 2009.

Liposcelididae

Belapha spec. Brazil (V): Garcia Aldrete & Mockford, 2009.

Belaphotroctes badonneli Mockford. Mexico (IV): Di Iorio & Turienzo, 2009 (in birds' nests). Brazil (V): Garcia Aldrete & Mockford, 2009.

Belaphotroctes brunneus Badonnel. Brazil (V): Garcia Aldrete & Mockford, 2009.

Belaphotroctes ghesquierei Badonnel. Mexico (IV): Di Iorio & Turienzo, 2009 (in birds' nests). Brazil (V): Garcia Aldrete & Mockford, 2009.

Belaphotroctes major Badonnel. Brazil (V): Garcia Aldrete & Mockford, 2009.

Belaphotroctes mimulus Badonnel. Brazil (V): Garcia Aldrete & Mockford, 2009.

Belaphotroctes ocularis Badonnel. Brazil (V): Garcia Aldrete & Mockford, 2009.

Belaphotroctes striatus Badonnel. Brazil (V): Garcia Aldrete & Mockford, 2009.

Belaphotroctes vaginatus Badonnel. Brazil (V): Garcia Aldrete & Mockford, 2009.

Chaetotroctes lenkoi Badonnel. Brazil (V): Garcia Aldrete & Mockford, 2009.

Embidopsocopsis newi Badonnel. Brazil (V): Garcia Aldrete & Mockford, 2009.

Embidopsocus brasiliensis Badonnel. Brazil (V): Garcia Aldrete & Mockford, 2009.

Embidopsocus flexuosus parvulus Badonnel. Brazil (V): Garcia Aldrete & Mockford, 2009.

Embidopsocus frater Badonnel. Brazil (V): Garcia Aldrete & Mockford, 2009.

*Embidopsocus lenah** Schmidt & New, 2008: 82. Tasmania (IX).

Embidopsocus leucomelas (Enderlein). Brazil (V): Garcia Aldrete & Mockford, 2009.

Embidopsocus luteus Hagen. Brazil (V): Garcia Aldrete & Mockford, 2009.

Embidopsocus mendax Badonnel. Brazil (V): Garcia Aldrete & Mockford, 2009.

Embidopsocus pilosus Badonnel. Brazil (V): Garcia Aldrete & Mockford, 2009.

Embidopsocus similis Badonnel. Brazil (V): Garcia Aldrete & Mockford, 2009.

Embidopsocus virgatus (Enderlein). Brazil (V): Garcia Aldrete & Mockford, 2009.

Liposcelis spec. Jamaica, Mexico (IV): Di Iorio & Turienzo, 2009 (in birds' nests). Tasmania (IX): Schmidt & New, 2008.

Liposcelis bostrychophila Badonnel. Netherlands (I): De Wilde, 2009. Mexico (IV): Di Iorio & Turienzo, 2009 (in birds' nests). Brazil (V): Di Iorio & Turienzo, 2009 (in birds' nests); Garcia Aldrete & Mockford, 2009. Morphology of nymph: Kucerova *et al.*, 2009. Behaviour: Green, 2009 (settling behaviour). Methods: Lukas *et al.*, 2009 (counting specimens using digital image analysis). Morphology: Hu *et al.*, 2009 (antennal sensilla). Pest: Ahmedani *et al.*, 2009 (control); Riudavets *et al.*, 2009 (control). Physiology: Dou *et al.*, 2009; Tang *et al.*, 2009.

Liposcelis brunnea Motschulsky. Biol.: Opit & Throne, 2009 (temperature and relative humidity; variable number of nymphal instars). Morphology of nymph: Kucerova *et al.*, 2009.

Liposcelis corrodens (Heymons). Morphology of nymph: Kucerova *et al.*, 2009.

Liposcelis decolor (Pearman). Biol.: Opit *et al.*, 2009a (pest). Morphology of nymph: Kucerova *et al.*, 2009. Morphology: Hu *et al.*, 2009 (antennal sensilla). Pest: Athanassiou *et al.*, 2009 (control). Techniques: Opit *et al.*, 2009b (sampling methods); Opit *et al.*, 2009c (sampling plans).

Liposcelis deltachi Sommerman. Mexico (IV): Di Iorio & Turienzo, 2009 (in birds' nests).

Liposcelis entomophila (Enderlein). Brazil (V): Garcia Aldrete & Mockford, 2009. Biol.: Opit *et al.*, 2009a (pest). Morphology of nymph: Kucerova *et al.*, 2009. Morphology: Hu *et al.*, 2009 (antennal sensilla). Pest: Athanassiou *et al.*, 2009 (control). Techniques: Opit *et al.*, 2009b (sampling methods); Opit *et al.*, 2009c (sampling plans).

Liposcelis fusciceps Badonnel. Brazil (V): Garcia Aldrete & Mockford, 2009.

Liposcelis lenkoi Badonnel. Brazil (V): Garcia Aldrete & Mockford, 2009.

Liposcelis paeta Pearman. Morphology of nymph: Kucerova *et al.*, 2009. Morphology: Hu *et al.*, 2009 (antennal sensilla). Biology: Wang *et al.*, 2009 (population dynamics). Physiology: Wu *et al.*, 2009.

Liposcelis pearmani Lienhard. Netherlands (I): De Wilde, 2009.

Liposcelis tricolor Badonnel. Endosymbionts: Jia *et al.*, 2009 (*Wolbachia* infection). Morphology: Hu *et al.*, 2009 (antennal sensilla).

Pachytroctidae

Antilopsocus nadleri Gurney. Brazil (V): Garcia Aldrete & Mockford, 2009.

Pachytroctes brasiliensis Roesler. Brazil (V): Garcia Aldrete & Mockford, 2009.

Psyllostroces plaumanni Roesler. Brazil (V): Garcia Aldrete & Mockford, 2009.

Tapinella spec. Mexico (IV): Di Iorio & Turienzo, 2009 (in birds' nests).

Tapinella gamma Mockford. Brazil (V): Garcia Aldrete & Mockford, 2009.

Tapinella maracana Mockford. Brazil (V): Garcia Aldrete & Mockford, 2009.

Tapinella olmeca Mockford. Mexico (IV): Di Iorio & Turienzo, 2009 (in birds' nests).

Tapinella ornaticeps Mockford. Brazil (V): Garcia Aldrete & Mockford, 2009.

Tapinella vittata Garcia Aldrete. Argentina (V): Garcia Aldrete, 2009b.

Sphaeropsocidae

Phylogeny of Sphaeropsocidae discussed: Azar & Engel, 2008.

Definition of family, discussion of biogeography and phylogeny, evaluation of genitalic characters: Mockford, 2009a.

Badonnelia titei Pearman. USA (III): Mockford, 2009a.

Globopsocus** Azar & Engel, 2008: 142. Gender: M. Type species: *Globopsocus aquilonius* Azar & Engel.

Globopsocus aquilonius* Azar & Engel, 2008: 143. Late Cretaceous amber (A) from Siberia (VIII).

Prosphaeropsocus** Mockford, 2009a: 674. Gender: M. Type species: *Prosphaeropsocus pallidus* Mockford.

Prosphaeropsocus californicus* Mockford, 2009a: 676. USA: California (III).

Sphaeropsocus spec. (female). Mockford, 1993a. See Mockford, 2009a: 674.

Sphaeropsocopsis spec. (female). Grimaldi & Engel, 2006b. See Mockford, 2009a: 674.

Prosphaeropsocus pallidus* Mockford, 2009a: 674. USA: California (III).

Sphaeropsocus spec. (female). Mockford, 1993a. See Mockford, 2009a: 674.

Sphaeropsocopsis spec. (female). Grimaldi & Engel, 2006b. See Mockford, 2009a: 674.

Sphaeropsocopsis Badonnel. Diagnosis of genus, key to species: Mockford, 2009a.

Sphaeropsocopsis argentina (Badonnel). Augmented description: Mockford, 2009a: 678. USA (III), introduced from Argentina (V).

Sphaeropsocopsis castanea* Mockford, 2009a: 678. Mexico (IV).

Sphaeropsocopsis recens (Hickman). Tasmania (IX): Schmidt & New, 2008.

Troglosphaeropsocus** Mockford, 2009a: 680. Gender: M. Type species: *Troglosphaeropsocus voylesi* Mockford.

Troglosphaeropsocus voylesi* Mockford, 2009a: 680. USA: Arizona (III).

Psocomorpha

Phylogeny of Psocomorpha discussed: Azar, Hajar, Indary & Nel, 2009; Azar, Nel & Néraudeau, 2009.

Paramesopsocidae

New Mesozoic family defined, assigned to suborder Psocomorpha (infraorder incertae sedis): Azar, Hajar, Indary & Nel, 2009: 461.

Paramesopsocus** Azar, Hajar, Indary & Nel, 2009: 461. Gender: M. Type species: *Paramesopsocus lu* Azar, Hajar, Indary & Nel.

Paramesopsocus adibi* Azar, Hajar, Indary & Nel, 2009: 466. Late Jurassic limestone (A) from Kazakhstan (VIII).

Paramesopsocus lu* Azar, Hajar, Indary & Nel, 2009: 461. Early Cretaceous amber (A) from Lebanon (I).

Arcantipsocidae

New Cretaceous family defined, assigned to suborder Psocomorpha (Azar, Nel & Néraudeau, 2009: 119), and very tentatively to infraorder Homilopsocidea (Azar, Nel & Néraudeau, 2009: 122).

*Arcantipsocus*** Azar, Nel & Néraudeau, 2009: 119. Gender: M. Type species: *Arcantipsocus courvillei* Azar, Nel & Néraudeau.

*Arcantipsocus courvillei** Azar, Nel & Néraudeau, 2009: 119. Lower Cretaceous amber (A) from France (I).

Epipsocidae

Epipsocidae gen. spec. Brazil (V): Di Iorio & Turienzo, 2009 (in birds' nests).

Epipsocidae gen. spec. (near *Goja* Navas). Brazil (V): Garcia Aldrete & Mockford, 2009.

Bertkauia crosbyana Chapman. Argentina (V): Garcia Aldrete, 2009b.

*Edmockfordia*** Garcia Aldrete, 2009a: 63. Gender: F. Type species: *Edmockfordia chiquibulensis* Garcia Aldrete.

*Edmockfordia chiquibulensis** Garcia Aldrete, 2009a: 64. Belize (IV).

Epipsocus acanthus New. Brazil (V): Garcia Aldrete & Mockford, 2009.

Epipsocus argutus New. Brazil (V): Garcia Aldrete & Mockford, 2009.

Epipsocus atratus New. Brazil (V): Garcia Aldrete & Mockford, 2009.

Epipsocus badonneli Mockford. Brazil (V): Garcia Aldrete & Mockford, 2009.

Epipsocus borgmeieri Karny. Brazil (V): Garcia Aldrete & Mockford, 2009.

Epipsocus foliatus Mockford. Brazil (V): Garcia Aldrete & Mockford, 2009.

Epipsocus fuscareolatus New. Brazil (V): Garcia Aldrete & Mockford, 2009.

Epipsocus latistigma Roesler. Brazil (V): Garcia Aldrete & Mockford, 2009.

Epipsocus maculithorax New. Brazil (V): Garcia Aldrete & Mockford, 2009.

Epipsocus meruleus New. Brazil (V): Garcia Aldrete & Mockford, 2009.

Epipsocus pennyi New. Brazil (V): Garcia Aldrete & Mockford, 2009.

Epipsocus pereirai Badonnel. Brazil (V): Garcia Aldrete & Mockford, 2009.

Epipsocus phaeus New. Brazil (V): Garcia Aldrete & Mockford, 2009.

Epipsocus quercus Roesler. Brazil (V): Garcia Aldrete & Mockford, 2009.

Epipsocus roraimensis Mockford. Brazil (V): Garcia Aldrete & Mockford, 2009.

Epipsocus serenus Roesler. Brazil (V): Garcia Aldrete & Mockford, 2009.

Epipsocus stigmaticus Mockford. Brazil (V): Garcia Aldrete & Mockford, 2009.

Epipsocus uniformis New. Brazil (V): Garcia Aldrete & Mockford, 2009.

Epipsocus verrucosus New. Brazil (V): Garcia Aldrete & Mockford, 2009.

Epipsocus willineri New. Brazil (V): Garcia Aldrete & Mockford, 2009.

Goja nebulosa (Roesler). Brazil (V): Garcia Aldrete & Mockford, 2009.

Goja picta (Banks). Brazil (V): Garcia Aldrete & Mockford, 2009.

Goja plaumanni (Roesler). Brazil (V): Garcia Aldrete & Mockford, 2009.

Mesepipsocus spec. Brazil (V): Garcia Aldrete & Mockford, 2009.

Mesepipsocus brasiliensis (New). Brazil (V): Garcia Aldrete & Mockford, 2009.

Mesepipsocus brasiliensis (New). Brazil (V): Garcia Aldrete & Mockford, 2009.

Mesepipsocus brevistigma (New). Brazil (V): Garcia Aldrete & Mockford, 2009.

Mesepipsocus brunellus (New). Brazil (V): Garcia Aldrete & Mockford, 2009.

Mesepipsocus capitulatus (New). Brazil (V): Garcia Aldrete & Mockford, 2009.

Mesepipsocus fuscatus (New). Brazil (V): Garcia Aldrete & Mockford, 2009.

Mesepipsocus newi Badonnel. Brazil (V): Garcia Aldrete & Mockford, 2009.

Mesepipsocus niger (New). Brazil (V): Garcia Aldrete & Mockford, 2009.

Mesepipsocus obscurus (New). Brazil (V): Garcia Aldrete & Mockford, 2009.

Mesepipsocus proctus (New & Thornton). Brazil (V): Garcia Aldrete & Mockford, 2009.

Mesepipsocus roesleri (New). Brazil (V): Garcia Aldrete & Mockford, 2009.

Mesepipsocus roncadorensis (New). Brazil (V): Garcia Aldrete & Mockford, 2009.

Mesepipsocus semiclarus (Mockford). Brazil (V): Garcia Aldrete & Mockford, 2009.

Mesepipsocus sinuatus (New). Brazil (V): Garcia Aldrete & Mockford, 2009.

Mesepipsocus taitubai (New). Brazil (V): Garcia Aldrete & Mockford, 2009.

Neurostigma dispositum Roesler. Brazil (V): Garcia Aldrete & Mockford, 2009.

Neurostigma enderleini New. Brazil (V): Garcia Aldrete & Mockford, 2009.

Neurostigma paucivenosum New. Brazil (V): Garcia Aldrete & Mockford, 2009.

Neurostigma radiatum Mockford. Brazil (V): Garcia Aldrete & Mockford, 2009.

Neurostigma roesleri New. Brazil (V): Garcia Aldrete & Mockford, 2009.

Neurostigma xanthopterum New. Brazil (V): Garcia Aldrete & Mockford, 2009.

Papillopsocus oriximinaensis Garcia Aldrete, 2005b. Brazil (V): Garcia Aldrete & Mockford, 2009.

*Phallofractus*** Garcia Aldrete, 2009a: 65. Gender: M. Type species: *Phallofractus thailandensis* Garcia Aldrete.

*Phallofractus thailandensis** Garcia Aldrete, 2009a: 66. Thailand (VIII).

Dolabellopsocidae

Dolabellopsocus carcinus Mockford. Brazil (V): Garcia Aldrete & Mockford, 2009.

Dolabellopsocus catenatus Mockford. Brazil (V): Garcia Aldrete & Mockford, 2009.

Dolabellopsocus ctenatus (New). Brazil (V): Garcia Aldrete & Mockford, 2009.

Dolabellopsocus eertmoedi Badonnel. Brazil (V): Garcia Aldrete & Mockford, 2009.

Dolabellopsocus flavipennis (Roesler). Brazil (V): Garcia Aldrete & Mockford, 2009.

Dolabellopsocus intermedius Eertmoed. Brazil (V): Garcia Aldrete & Mockford, 2009.
Dolabellopsocus lobatus Mockford. Brazil (V): Garcia Aldrete & Mockford, 2009.
Dolabellopsocus pectenatus Eertmoed. Brazil (V): Garcia Aldrete & Mockford, 2009.
Dolabellopsocus pictus Mockford. Brazil (V): Garcia Aldrete & Mockford, 2009.
Dolabellopsocus pygmaeus (New). Brazil (V): Garcia Aldrete & Mockford, 2009.
Dolabellopsocus similis Mockford. Brazil (V): Garcia Aldrete & Mockford, 2009.
Dolabellopsocus spinosus Mockford. Brazil (V): Garcia Aldrete & Mockford, 2009.
Isthmopsocus barbatus Mockford. Brazil (V): Garcia Aldrete & Mockford, 2009.
Isthmopsocus breviceps (New). Brazil (V): Garcia Aldrete & Mockford, 2009.
Isthmopsocus lanceatus Mockford. Brazil (V): Garcia Aldrete & Mockford, 2009.
Isthmopsocus luridus New. Brazil (V): Garcia Aldrete & Mockford, 2009.
Isthmopsocus ornatus (New). Brazil (V): Garcia Aldrete & Mockford, 2009.
Isthmopsocus radulatus New. Brazil (V): Garcia Aldrete & Mockford, 2009.
Isthmopsocus speculatus Mockford. Brazil (V): Garcia Aldrete & Mockford, 2009.

Cladiopsocidae

Cladiopsocus distinctus Eertmoed. Brazil (V): Garcia Aldrete & Mockford, 2009.
Cladiopsocus dolosus (Roesler). Brazil (V): Garcia Aldrete & Mockford, 2009.
Cladiopsocus domesticus (New). Brazil (V): Garcia Aldrete & Mockford, 2009.
Cladiopsocus fuscus (New). Brazil (V): Garcia Aldrete & Mockford, 2009.
Cladiopsocus prionotus (New). Brazil (V): Garcia Aldrete & Mockford, 2009.
Cladiopsocus uncinatus (New). Brazil (V): Garcia Aldrete & Mockford, 2009.

Ptiloneuridae

Euplocania spec. Brazil (V): Garcia Aldrete & Mockford, 2009.
Euplocania badonneli New & Thornton. Brazil (V): Garcia Aldrete & Mockford, 2009.
Euplocania cerata New. Brazil (V): Garcia Aldrete & Mockford, 2009.
Euplocania marginata New & Thornton. Brazil (V): Garcia Aldrete & Mockford, 2009.
Euplocania picta New. Brazil (V): Garcia Aldrete & Mockford, 2009.
Loneura spec. Brazil (V): Garcia Aldrete & Mockford, 2009.
Loneura amazonica (New). Brazil (V): Garcia Aldrete & Mockford, 2009.
Loneura brasiliensis Roesler. Brazil (V): Garcia Aldrete & Mockford, 2009.
Loneura maracaensis Garcia Aldrete, 2004e. Brazil (V): Garcia Aldrete & Mockford, 2009.
Ptiloneuropsis immaculata Roesler. Brazil (V): Garcia Aldrete & Mockford, 2009.
Timnewia greeni (New). Brazil (V): Garcia Aldrete & Mockford, 2009.
Triplocania spec. Brazil (V): Garcia Aldrete & Mockford, 2009.
Triplocania ariasi New. Brazil (V): Garcia Aldrete & Mockford, 2009.
Triplocania calcarata New. Brazil (V): Garcia Aldrete & Mockford, 2009.
Triplocania caudata New. Brazil (V): Garcia Aldrete & Mockford, 2009.
Triplocania furcata New. Brazil (V): Garcia Aldrete & Mockford, 2009.
Triplocania immaculata New. Brazil (V): Garcia Aldrete & Mockford, 2009.
Triplocania lunulata New. Brazil (V): Garcia Aldrete & Mockford, 2009.
Triplocania lucida Roesler. Brazil (V): Garcia Aldrete & Mockford, 2009.
Triplocania magnifica Roesler. Brazil (V): Garcia Aldrete & Mockford, 2009.
Triplocania reflexa Roesler. Brazil (V): Garcia Aldrete & Mockford, 2009.
Triplocania rondoniense Garcia Aldrete. Brazil (V): Garcia Aldrete & Mockford, 2009.
Triplocania umbrata New. Brazil (V): Garcia Aldrete & Mockford, 2009.

Asiopsocidae

Notiopsocus facilis Mockford. Brazil (V): Garcia Aldrete & Mockford, 2009.
Notiopsocus neotropicus (Machado-Allison & Papavero). Brazil (V): Garcia Aldrete & Mockford, 2009.
Notiopsocus simplex Banks. Brazil (V): Garcia Aldrete & Mockford, 2009.
Pronotiopsocus amazonicus Mockford. Brazil (V): Garcia Aldrete & Mockford, 2009.

Caeciliusidae

Schmidt & New, 2008: 86. Definition of a new tribe, Bassocaeciliini, within the subfamily Caeciliusinae, containing the genera *Bassocaecilius* and *Clinocaecilius* (see below).
Aphyopsocus prolixus Smithers. Tasmania (IX): Schmidt & New, 2008.
*Bassocaecilius*** Schmidt & New, 2008: 86. Gender: M. Type species: *Bassocaecilius rawlinsoni* Schmidt & New. Assigned to Caeciliusinae, new tribe Bassocaeciliini.
*Bassocaecilius rawlinsoni** Schmidt & New, 2008: 86. Tasmania (IX).
Caecilius fuscopterus (Latreille). Ireland (I): Alexander & Saville, 2008.
*Clinocaecilius*** Schmidt & New, 2008: 88. Gender: M. Type species: *Clinocaecilius edwardsi* Schmidt & New. Assigned to Caeciliusinae, new tribe Bassocaeciliini.
*Clinocaecilius edwardsi** Schmidt & New, 2008: 88. Tasmania (IX).

Coryphaca inka Enderlein. Brazil (V): Garcia Aldrete & Mockford, 2009.
Coryphaca matona (New & Thornton). Brazil (V): Garcia Aldrete & Mockford, 2009.
Enderleinella obsoleta (Stephens). Ireland (I): Alexander & Saville, 2008.
Enderleinella occidentalis Mockford. Brazil (V): Garcia Aldrete & Mockford, 2009.
Epicaecilius pilipennis (Lienhard). Ireland (I): Alexander & Saville, 2008.
*Graminacaecilius*** Schmidt & New, 2008: 97. Gender: M. Type species: *Graminacaecilius micropterus* Schmidt & New. Assigned to Caeciliusinae, Coryphacini.
*Graminacaecilius frontalis** Schmidt & New, 2008: 100. Tasmania (IX).
*Graminacaecilius micropterus** Schmidt & New, 2008: 100. Tasmania (IX).
Maoripsocus concavistigma (Schmidt & Thornton). Tasmania (IX): Schmidt & New, 2008.
*Maoripsocus hobartensis** Schmidt & New, 2008: 89. Tasmania (IX).
Maoripsocus juneae (Schmidt & Thornton). Tasmania (IX): Schmidt & New, 2008.
*Maoripsocus pedderi** Schmidt & New, 2008: 91. Tasmania (IX).
Maoripsocus semifuscatus Tillyard. Tasmania (IX): Schmidt & New, 2008.
*Maoripsocus spirulosus** Schmidt & New, 2008: 94. Tasmania (IX).
*Maoripsocus tahunensis** Schmidt & New, 2008: 94. Tasmania (IX).
*Maoripsocus wedgei** Schmidt & New, 2008: 94. Tasmania (IX).
*Maoripsocus weindorferi** Schmidt & New, 2008: 97. Tasmania (IX).
*Nothocaecilius*** Schmidt & New, 2008: 102. Gender: M. Type species: *Nothocaecilius thomasi* Schmidt & New. Assigned to Caeciliusinae, Epicaeciliini.
*Nothocaecilius thomasi** Schmidt & New, 2008: 102. Tasmania (IX).
Paracaecilius hilli (Smithers). Tasmania (IX): Schmidt & New, 2008.
Paracaecilius seltus (Schmidt & Thornton). Tasmania (IX): Schmidt & New, 2008.
Stenocaecilius antillanus (Banks). Brazil (V): Garcia Aldrete & Mockford, 2009.
Stenocaecilius casarum (Badonnel). Brazil (V): Garcia Aldrete & Mockford, 2009.
Stenocaecilius lineatus (Smithers). Tasmania (IX): Schmidt & New, 2008.
Stenocaecilius quercus (Edwards). Tasmania (IX): Schmidt & New, 2008.
*Tasmanocaecilius*** Schmidt & New, 2008: 104. Gender: M. Type species: *Tasmanocaecilius truchanasi* Schmidt & New. Assigned to Caeciliusinae, Epicaeciliini.
*Tasmanocaecilius truchanasi** Schmidt & New, 2008: 104. Tasmania (IX).
Valenzuela spec. Brazil (V): Garcia Aldrete & Mockford, 2009.
Valenzuela adrianae (Mockford). Brazil (V): Garcia Aldrete & Mockford, 2009.
Valenzuela albofasciatus (Mockford). Brazil (V): Garcia Aldrete & Mockford, 2009.
Valenzuela albomarginatus (Enderlein). Brazil (V): Garcia Aldrete & Mockford, 2009.
Valenzuela atricornis (McLachlan). Great Britain (I): Alexander, 2009.
Valenzuela cinalus (New & Thornton). Brazil (V): Garcia Aldrete & Mockford, 2009.
Valenzuela claripennis (Mockford). Brazil (V): Garcia Aldrete & Mockford, 2009.
Valenzuela claristigma (New & Thornton). Brazil (V): Garcia Aldrete & Mockford, 2009.
Valenzuela clayae (New & Thornton). Brazil (V): Garcia Aldrete & Mockford, 2009.
Valenzuela fasciatus (Enderlein). Brazil (V): Garcia Aldrete & Mockford, 2009.
Valenzuela flavidus (Stephens). Ireland (I): Alexander & Saville, 2008.
Valenzuela gemmatus (Mockford). Brazil (V): Garcia Aldrete & Mockford, 2009.
Valenzuela micans (New & Thornton). Brazil (V): Garcia Aldrete & Mockford, 2009.
Valenzuela nigroticta (Williner). Brazil (V): Garcia Aldrete & Mockford, 2009.
Valenzuela obscuripennis (Mockford). Brazil (V): Garcia Aldrete & Mockford, 2009.
Valenzuela paradistinctus (New & Thornton). Brazil (V): Garcia Aldrete & Mockford, 2009.
Valenzuela posticoides (Mockford). Brazil (V): Garcia Aldrete & Mockford, 2009.
Valenzuela pteridii (Smithers). Tasmania (IX): Schmidt & New, 2008.
Valenzuela tuberculatus (New & Thornton). Brazil (V): Garcia Aldrete & Mockford, 2009.
Xanthocaecilius eroticus Mockford. Brazil (V): Garcia Aldrete & Mockford, 2009.
Xanthocaecilius granulosus Mockford. Brazil (V): Garcia Aldrete & Mockford, 2009.
Xanthocaecilius pallidus Mockford. Brazil (V): Garcia Aldrete & Mockford, 2009.

Stenopsocidae

Graphopsocus cruciatus (Linnaeus). Ireland (I): Alexander & Saville, 2008. Argentina (V): Garcia Aldrete, 2009b. Brazil (V): Garcia Aldrete & Mockford, 2009.
Graphopsocus mexicanus Enderlein. Brazil (V): Garcia Aldrete & Mockford, 2009.
Stenopsocus immaculatus (Stephens). Great Britain (I): Saville, 2009b (variability). Ireland (I): Alexander & Saville, 2008. Morph.: Saville, 2009b (variability of identification characters).
Stenopsocus lachlani Kolbe. The species does not occur in Great Britain (I): Saville, 2009b. Morph.: Saville, 2009b (variability of identification characters).

Amphipsocidae

Dasydemella gynopeza Roesler. Brazil (V): Garcia Aldrete & Mockford, 2009.
Dasydemella setosa Roesler. Brazil (V): Garcia Aldrete & Mockford, 2009.

Dasypsocus nigrifrons (Roesler). Brazil (V): Garcia Aldrete & Mockford, 2009.
Dasypsocus roesleri (New & Thornton). Argentina (V): Garcia Aldrete, 2009b. Brazil (V): Garcia Aldrete & Mockford, 2009.
Polypsocus coleopterus Roesler. Brazil (V): Garcia Aldrete & Mockford, 2009.
Polypsocus delunatus Roesler. Brazil (V): Garcia Aldrete & Mockford, 2009.
Polypsocus falcifer Roesler. Brazil (V): Garcia Aldrete & Mockford, 2009.
Polypsocus fastosus Roesler. Brazil (V): Garcia Aldrete & Mockford, 2009.
Polypsocus fuscopterus Mockford. Brazil (V): Garcia Aldrete & Mockford, 2009.
Polypsocus griseolineatus (Enderlein). Brazil (V): Garcia Aldrete & Mockford, 2009.
*Polypsocus jujuyensis** Garcia Aldrete, 2009b: 1. Argentina (V).
Polypsocus lineatus Mockford. Brazil (V): Garcia Aldrete & Mockford, 2009.
Polypsocus ohausianus (Enderlein). Brazil (V): Garcia Aldrete & Mockford, 2009.
Polypsocus selenius Roesler. Argentina (V): Garcia Aldrete, 2009b. Brazil (V): Garcia Aldrete & Mockford, 2009.
Polypsocus serpentinus Mockford. Brazil (V): Garcia Aldrete & Mockford, 2009.
Polypsocus suffuscus Roesler. Brazil (V): Garcia Aldrete & Mockford, 2009.
Polypsocus unicolor Roesler. Brazil (V): Garcia Aldrete & Mockford, 2009.

Lachesillidae

Key to the genera of subfamily Lachesillinae: Garcia Aldrete, 2008a: 254.
Lachesillidae gen spec. Brazil (V): Di Iorio & Turienzo, 2009 (in birds' nests).
Anomopsocus radiolus (Roesler). Brazil (V): Garcia Aldrete & Mockford, 2009.
*Ectolachesilla*** Garcia Aldrete, 2008a: 252. Gender: F. Type species: *Ectolachesilla ariasi* Garcia Aldrete.
*Ectolachesilla ariasi** Garcia Aldrete, 2008a: 252. Brazil (V).
Graphocacilius interpretatus Roesler. Brazil (V): Garcia Aldrete & Mockford, 2009.
Lachesilla Westwood. Garcia Aldrete, 2008b: Generic diagnosis (p. 13); diagnoses of the following species groups with list of assigned species, *forcepeta* group (p. 14), *fuscipalpis* group (p. 67), *pedicularia* group (p. 68). Garcia Aldrete, 2009b: Description of *szirakii* species group (p. 12).
Lachesilla spec. Mexico (IV): Di Iorio & Turienzo, 2009 (in birds' nests). Brazil (V): Garcia Aldrete & Mockford, 2009.
Lachesilla acuminata Mockford. Brazil (V): Garcia Aldrete & Mockford, 2009.
*Lachesilla acuminiproctus** Garcia Aldrete, 2008b: 23 (assigned to *forcepeta* species group). Peru (V).
Lachesilla aethiopica (Enderlein). Mexico (IV): Di Iorio & Turienzo, 2009 (in birds' nests). Brazil (V): Garcia Aldrete & Mockford, 2009.
Lachesilla amarilla New. Brazil (V): Garcia Aldrete & Mockford, 2009.
Lachesilla ambigua Badonnel. Argentina (V): Garcia Aldrete, 2009b.
*Lachesilla andina** Garcia Aldrete, 2009b: 3 (assigned to *patzunensis* species group). Peru, Argentina (V).
*Lachesilla aptena** Garcia Aldrete, 2008b: 25 (assigned to *forcepeta* species group). Peru (V).
Lachesilla ariasi Garcia Aldrete, 2004e. Brazil (V): Garcia Aldrete & Mockford, 2009.
*Lachesilla asymmetriproctus** Garcia Aldrete, 2008b: 72 (assigned to *pedicularia* species group). Peru (V).
Lachesilla bahiana Garcia Aldrete. Brazil (V): Garcia Aldrete & Mockford, 2009.
Lachesilla belemensis Garcia Aldrete. Brazil (V): Garcia Aldrete & Mockford, 2009.
Lachesilla bicornata New & Thornton. Brazil (V): Garcia Aldrete & Mockford, 2009.
Lachesilla bimaculata Garcia Aldrete. Brazil (V): Garcia Aldrete & Mockford, 2009.
*Lachesilla bimaculatoides** Garcia Aldrete, 2008b: 27 (assigned to *forcepeta* species group). Bolivia, Peru (V).
Lachesilla brasiliensis Garcia Aldrete. Brazil (V): Garcia Aldrete & Mockford, 2009.
Lachesilla braticagua Garcia Aldrete. Brazil (V): Garcia Aldrete & Mockford, 2009.
Lachesilla breviforceps Garcia Aldrete. Brazil (V): Garcia Aldrete & Mockford, 2009.
Lachesilla capreola New. Brazil (V): Garcia Aldrete & Mockford, 2009.
Lachesilla carioca Garcia Aldrete. Brazil (V): Garcia Aldrete & Mockford, 2009.
Lachesilla castrii Badonnel. Argentina (V): Garcia Aldrete, 2009b.
Lachesilla centralis Garcia Aldrete. Mexico (IV): Di Iorio & Turienzo, 2009 (in birds' nests).
Lachesilla cintalapa Garcia Aldrete. Mexico (IV): Di Iorio & Turienzo, 2009 (in birds' nests).
Lachesilla columbaris Garcia Aldrete. Brazil (V): Garcia Aldrete & Mockford, 2009.
Lachesilla concava Garcia Aldrete. Brazil (V): Garcia Aldrete & Mockford, 2009.
Lachesilla convexa Garcia Aldrete. Brazil (V): Garcia Aldrete & Mockford, 2009.
*Lachesilla convexcicornis** Garcia Aldrete, 2008b: 75 (assigned to *pedicularia* species group). Peru (V).
Lachesilla corbalanae Garcia Aldrete, 2004d. Description of male: Garcia Aldrete, 2009b: 5 (assigned to *patzunensis* species group). Argentina (V).
Lachesilla cuala Garcia Aldrete. Argentina (V): Garcia Aldrete, 2009b. Brazil (V): Garcia Aldrete & Mockford, 2009. Peru (V): Garcia Aldrete, 2008b.
*Lachesilla dividiproctus** Garcia Aldrete, 2009b: 7 (assigned to *pedicularia* species group). Argentina (V).
*Lachesilla erwini** Garcia Aldrete, 2008b: 30 (assigned to *forcepeta* species group). Peru (V).
Lachesilla falcata Garcia Aldrete. Brazil (V): Garcia Aldrete & Mockford, 2009. Peru (V): Garcia Aldrete, 2008b.
Lachesilla fuscipalpis Badonnel. Mexico (IV): Di Iorio & Turienzo, 2009 (in birds' nests). Peru (V): Garcia Aldrete, 2008b.

Lachesilla leonilae Garcia Aldrete. Mexico (IV): Di Iorio & Turienzo, 2009 (in birds' nests).
*Lachesilla longiforceps** Garcia Aldrete, 2008b: 34 (assigned to *forcepeta* species group). Peru (V).
*Lachesilla longiproctus** Garcia Aldrete, 2009b: 8 (assigned to *pedicularia* species group). Argentina (V).
*Lachesilla lunata** Garcia Aldrete, 2008b: 36 (assigned to *forcepeta* species group). Peru (V).
*Lachesilla macropudenda** Garcia Aldrete, 2008b: 77 (assigned to *pedicularia* species group). Peru (V).
Lachesilla magna Garcia Aldrete. Peru (V): Garcia Aldrete, 2008b.
Lachesilla marginata New & Thornton. Brazil (V): Garcia Aldrete & Mockford, 2009.
Lachesilla mattogrossensis Garcia Aldrete. Brazil (V): Garcia Aldrete & Mockford, 2009.
Lachesilla megaforcepeta Mockford. Brazil (V): Garcia Aldrete & Mockford, 2009.
*Lachesilla mesomaculipenna** Garcia Aldrete, 2008b: 37 (assigned to *forcepeta* species group). Peru (V).
*Lachesilla minipudenda** Garcia Aldrete, 2008b: 79 (assigned to *pedicularia* species group). Peru (V).
Lachesilla nadleri Garcia Aldrete. Peru (V): Garcia Aldrete, 2008b.
*Lachesilla neotenica** Garcia Aldrete, 2008b: 81 (assigned to *pedicularia* species group). Peru (V).
Lachesilla nevermanni (Navas). Brazil (V): Garcia Aldrete & Mockford, 2009.
Lachesilla palmera New. Brazil (V): Garcia Aldrete & Mockford, 2009.
Lachesilla papillata Garcia Aldrete. Brazil (V): Garcia Aldrete & Mockford, 2009.
*Lachesilla papilloproctus** Garcia Aldrete, 2008b: 41 (assigned to *forcepeta* species group). Peru (V).
Lachesilla patula Garcia Aldrete. Brazil (V): Garcia Aldrete & Mockford, 2009.
Lachesilla paulista Garcia Aldrete. Argentina (V): Garcia Aldrete, 2009b. Brazil (V): Garcia Aldrete & Mockford, 2009.
*Lachesilla peckorum** Garcia Aldrete, 2009b: 10 (assigned to *pedicularia* species group). Argentina (V).
Lachesilla pedicularia (Linnaeus). Ireland (I): Alexander & Saville, 2008. UAE (I): Lienhard, 2009b. Tasmania (IX): Schmidt & New, 2008. Pest: Stejskal *et al.*, 2008 (grain infestation, sampling methods).
*Lachesilla pentaoides** Garcia Aldrete, 2008b: 43 (assigned to *forcepeta* species group). Peru (V).
*Lachesilla pigmentifrons** Garcia Aldrete, 2008b: 46 (assigned to *forcepeta* species group). Peru (V).
*Lachesilla pigmentigena** Garcia Aldrete, 2008b: 48 (assigned to *forcepeta* species group). Peru (V).
*Lachesilla pigmentipenna** Garcia Aldrete, 2008b: 50 (assigned to *forcepeta* species group). Peru (V).
Lachesilla pigmentithorax Garcia Aldrete. Belize (IV): Garcia Aldrete, 2008b. Brazil, Peru (V): Garcia Aldrete, 2008b.
Lachesilla punctata (Banks). Mexico (IV): Di Iorio & Turienzo, 2009 (in birds' nests).
Lachesilla riegei Sommerman. Mexico (IV): Di Iorio & Turienzo, 2009 (in birds' nests).
*Lachesilla robusta** Garcia Aldrete, 2008b: 53 (assigned to *forcepeta* species group). Peru (V).
*Lachesilla robustiforceps** Garcia Aldrete, 2008b: 55 (assigned to *forcepeta* species group). Peru (V).
Lachesilla rugosa Garcia Aldrete. Brazil (V): Garcia Aldrete & Mockford, 2009.
*Lachesilla spathuliforceps** Garcia Aldrete, 2008b: 58 (assigned to *forcepeta* species group). Peru (V).
*Lachesilla spilotipenna** Garcia Aldrete, 2008b: 59 (assigned to *forcepeta* species group). Peru (V).
*Lachesilla spiniforceps** Garcia Aldrete, 2008b: 61 (assigned to *forcepeta* species group). Peru (V).
*Lachesilla symmetriproctus** Garcia Aldrete, 2008b: 83 (assigned to *pedicularia* species group). Peru (V).
*Lachesilla szirakii** Garcia Aldrete, 2009b: 11 (assigned to *szirakii* species group). Argentina (V).
*Lachesilla tambopatensis** Garcia Aldrete, 2008b: 63 (assigned to *forcepeta* species group). Peru (V).
Lachesilla tectorum Badonnel. Brazil (V): Garcia Aldrete & Mockford, 2009. Argentina (V): Garcia Aldrete, 2009b.
Lachesilla teresiana Garcia Aldrete. Brazil (V): Garcia Aldrete & Mockford, 2009.
Lachesilla trunca Garcia Aldrete. Brazil (V): Garcia Aldrete & Mockford, 2009.
Lachesilla valvula New & Thornton. Brazil, Peru (V): Garcia Aldrete, 2008b. Brazil (V): Garcia Aldrete & Mockford, 2009.
Lachesilla garciai Mockford, 1991b: 262. **Synonymy:** Garcia Aldrete, 2008b: 65.
Lachesilla yanomami Mockford. Brazil (V): Garcia Aldrete & Mockford, 2009.
Nadleria Badonnel & Garcia Aldrete. Generic diagnosis: Garcia Aldrete, 2008b: 85.
Nadleria alpha Badonnel & Garcia Aldrete. Brazil (V): Garcia Aldrete & Mockford, 2009. Peru (V): Garcia Aldrete, 2008b.
Nadleria gamma Mockford. Brazil (V): Garcia Aldrete & Mockford, 2009.
Nadleria mariateresae Garcia Aldrete. Peru (V): Garcia Aldrete, 2008b.
Nadleria mockfordi Badonnel & Garcia Aldrete. Brazil (V): Garcia Aldrete & Mockford, 2009.
Notolachesilla maracana Mockford. Brazil (V): Garcia Aldrete & Mockford, 2009.
Prolachesilla spec. Brazil (V): Garcia Aldrete & Mockford, 2009.

Ectopsocidae

Ectopsocopsis cryptomeriae (Enderlein). Mexico (IV): Di Iorio & Turienzo, 2009 (in birds' nests). Brazil (V): Garcia Aldrete & Mockford, 2009. Argentina (V): Garcia Aldrete, 2009b.
Ectopsocus spec. Jamaica, Mexico (IV): Di Iorio & Turienzo, 2009 (in birds' nests). Tasmania (IX): Schmidt & New, 2008.
*Ectopsocus ambulans** Lienhard, 2009b: 56. UAE (I).
Ectopsocus spec. Lienhard, 2008a: 118. See Lienhard, 2009b: 49.
Ectopsocus axillaris (Smithers). Ireland (I): Alexander & Saville, 2008. Tasmania (IX): Schmidt & New, 2008.
Ectopsocus briggsi McLachlan. Ireland (I): Alexander & Saville, 2008. Netherlands (I): De Wilde, 2009. Tasmania (IX): Schmidt & New, 2008.

Ectopsocus brunneus (Edwards). Tasmania (IX): Schmidt & New, 2008.
Ectopsocus californicus (Banks). Tasmania (IX): Schmidt & New, 2008.
*Ectopsocus coxae** Schmidt & New, 2008: 106. Tasmania (IX).
Ectopsocus edwardsi New. Tasmania (IX): Schmidt & New, 2008.
*Ectopsocus graminus** Schmidt & New, 2008: 108. Tasmania (IX).
*Ectopsocus hickmani** Schmidt & New, 2008: 108. Tasmania (IX).
Ectopsocus nerens (Hickman). Tasmania (IX): Schmidt & New, 2008.
Ectopsocus petersi Smithers. Ireland (I): Alexander & Saville, 2008. Tasmania (IX): Schmidt & New, 2008.
Ectopsocus pumilis (Banks). Brazil (V): Garcia Aldrete & Mockford, 2009.
Ectopsocus ribagai Enderlein. Brazil (V): Garcia Aldrete & Mockford, 2009.
Ectopsocus richardsi (Pearman). UAE (I): Lienhard, 2009b. Brazil (V): Garcia Aldrete & Mockford, 2009.
Ectopsocus rileyae Schmidt & Thornton. Tasmania (IX): Schmidt & New, 2008.
*Ectopsocus risdonensis** Schmidt & New, 2008: 111. Tasmania (IX).
*Ectopsocus sprengi** Schmidt & New, 2008: 111. Tasmania (IX).
Ectopsocus titschacki Jentsch. Brazil (V): Garcia Aldrete & Mockford, 2009.
Ectopsocus vachoni Badonnel. Tasmania (IX): Schmidt & New, 2008.

Peripsocidae

Cycloperipsocus edwardsi (New). Tasmania (IX): Schmidt & New, 2008.
Peripsocus alboguttatus (Dalman). Ireland (I): Alexander & Saville, 2008.
Peripsocus australis Mockford. Brazil (V): Garcia Aldrete & Mockford, 2009.
*Peripsocus cochleus** Schmidt & New, 2008: 116. Tasmania (IX).
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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 8 of the "Additions" (Psocid News, no. 4-11).

Remarks:

Each issue of "Psocid News" is separately quoted under Yoshizawa (ed.). Selected references to some particularly interesting contributions out of these newsletters can also be found under the authors' names.

Usually cross-references for all authors are made, as in the 2002-bibliography, except for papers with more than five authors which are merely cited as "first author *et al.*"; in cases of more than one editor, cross-references are usually only made for the first editor.

For a **subject bibliography** including these additions, see: <http://www.ville-ge.ch/mhng/psocoptera/page/ps-bibli.htm>

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5. Corrections to Lienhard & Smithers, 2002

Page 19: Line 6: *vittatus* (not *vitattus*).

Page 20: Line 17: *vittatus* (not *vitattus*).

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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