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Psocid News

The Psocidologists' Newsletter

No. 11 (Feb. 28, 2009)



Graphopsocus cruciatus (on the forehead of a girl, Tokyo, Japan)

PSOCOPTERA – WHO CARES?!

Bob Saville (National Barkfly Recording Scheme organiser, Edinburgh)

In the acknowledgments section of the second edition of Tim New's British Psocoptera handbook [New, T. 2005. *Psocids Psocoptera (Booklice and barklice)*. Handbooks for the identification of British Insects 1(7), 146pp Royal Entomological Society] Tim notes his disappointment that so few people have adopted Psocoptera for study in Britain in recent years. This was a problem that I was well aware of (and is, of course, also the case for most insect groups) but seeing it in black and white inspired me to seriously try to think of a solution. But what to do?!

A good number of years ago, when I was involved with the Scottish Wildlife Trust, I was asked to come up with an idea for a faunal project for trainee surveyors. I suggested a seasonal study of the psocids found on four yew trees at an estate near Edinburgh. The trainees had no experience of Psocoptera (or indeed any insects at all) and I was somewhat surprised but encouraged to see how quickly some of them developed an interest in the group. The project was so successful that it was run for four consecutive years. A good part of the reason for its success was because the information they needed to carry out the project was readily at hand. For example, the ability to easily identify species provided by Tim's handbook was a major help - if keys in foreign languages or scattered papers had been the only resource then the project would undoubtedly never have happened.

So it seems to me that the more readily accessible information is the more likely people are to get involved. But get involved with what? There are various levels. Some people have a mild curiosity about a species they've come across and would like to put a name to it (e.g. photographers), others with a greater interest might be inspired to keep a diary of sightings they have made whereas others with more scientific leanings might want to extend knowledge of the biology of the group. With encouragement people at one level can progress to higher levels and the more people that get on the ladder the greater the chance that some will get seriously involved. At least that's the theory!

Taking all these considerations into account my solution was to set up a national recording scheme for outdoor Psocoptera in Britain and Ireland. In keeping with the aim to involve people with only the slightest interest in the group I decided to use Keith Alexander's 'user-friendly' common name for outdoor psocids – barkflies. A crucial component of the National Barkfly Recording Scheme was to have a web presence that would provide easy access to different types of information. The website (<http://www.brc.ac.uk/schemes/barkfly/homepage.htm>) includes 1) a gallery of live species photos for casual observers, 2) an online key using annotated photos particularly geared for novice recorders and 3) species accounts including status, distribution (maps), phenology and habitat requirements to facilitate more serious study. I don't have the knowledge to create websites so I was very grateful to BRC (Biological Record Centre) for assigning a member of staff to the task. The feedback I have had so far is encouraging. Time will tell whether the strategy works in the long term.

ADDITIONS AND CORRECTIONS (PART 8) TO LIENHARD & SMITHERS, 2002: "PSOCOPTERA (INSECTA) - WORLD CATALOGUE AND BIBLIOGRAPHY"

Charles Lienhard (Geneva Natural History Museum, Switzerland)

1. Introduction

This is the 8th part of a series of "Additions and Corrections to the World Catalogue and Bibliography" published in "Psocid News" (Parts 1-7 in Psocid News no. 4-10). 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 1-7). 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 7 of the "Additions" (Psocid News, no. 4-10).

2. List of countries mentioned in the "Additions and Corrections to the World Catalogue" (Parts 1-8)

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 8 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 recorded, 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 on the PsocoNet Homepage: <http://insect3.agr.hokudai.ac.jp/psoco-web/psoco-net/index.html>

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 (= present issue)

(I) Austria (Parts 1, 3, 4, 5, 6, 8), 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), Germany (Parts 1, 3, 4, 5, 7, 8), Great Britain (Parts 1, 3, 4, 5, 6, 7, 8), Greece (Parts 5, 6), Hungary (Parts 1, 3), Iran (Parts 6, 8), Ireland (Part 6), Israel (Parts 4, 6, 8), Italy (Parts 1, 3, 5, 6, 7, 8), Lebanon (Parts 6, 7), Lithuania (Part 8), Luxembourg

(Parts 1, 3, 7, 8), Netherlands (Parts 4, 7), 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), Sweden (Part 8), Switzerland (Parts 1, 3, 4, 6, 7, 8), Turkey (Part 5), UAE (Part 8), 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)

(IV) Belize (Parts 1, 4, 6, 8), 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), Mexico (Parts 1, 3, 4, 5, 6, 7, 8), 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), Bolivia (Parts 1, 5), Brazil (Parts 1, 4, 5, 6, 7, 8), Chile (Parts 1, 4, 6, 8), Colombia (Part 1), Ecuador (Parts 1, 6, 8), Peru (Parts 1, 5, 6, 8), 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), Hong Kong (Part 5), India (Parts 3, 5, 6, 7), Indonesia (Parts 1, 3, 5, 6), Japan (Parts 1, 4, 6, 7, 8), 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), USSR (Part 4), 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)

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

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

3. Additions to the Catalogue

Psocodea

Archipsyllidae

Huang *et al.*, 2008: Family Archipsyllidae included in Psocodea (assignment to suborder not possible).

*Archipsylla sinica** Huang, A. Nel, Azar & P. Nel, 2008: 462. Middle Jurassic fossil (A) from China (VIII).

Psocoptera

Holusa, 2003b, 2003c, 2004, 2005b, 2005c, 2006a, 2006b, 2006c, 2007a, 2007d (ecol., forests of Eastern Europe). Liang Ai-Ping 2003 (book review). Chapman *et al.*, 2004 (aerial netting). Humala, 2006 (Russia: Karelia, 1 spec. mentioned). Lin Ying-hua *et al.*, 2006 (leaf litter, China). Aspöck, 2007 (biography of M. Meinander, with several photographs). Battiroli *et al.*, 2007 (ecol., Brazil). Ferreira *et al.*, 2007 (ecol., cave, Brazil). Gedminas *et al.*, 2007 (ecol., Lithuania). Huber *et al.*, 2007 (symmetry and asymmetry in genital morphology; mating position and genital coupling). Kenis *et al.*, 2007 (Austria, Switzerland: Psoc. well represented in alien fauna, species not mentioned). Paccagnini *et al.*, 2007 (comparison of spermatozoa of Thysanoptera with Psocodea). Perrichot *et al.*, 2007 (Cretaceous amber from France, review). Alexander, 2008a (book review). Fraval, 2008 (general biology and domestic pests, several species mentioned). Hubenov, 2008 (Bulgaria: Psoc. considered as poorly investigated). Huseynov *et al.*, 2008 (predat.: Psoc. as possible prey of a salticid spider). Li Fasheng *et al.*, 2008 (history of Psoc. taxonomy in China; distribution patterns of Psoc. in China). Huber *et al.*, 2008 (Psoc. mentioned as probable hosts of Mymaromatidae parasitoids). Lienhard, 2008b (additions and corrections to the World Catalogue). Sequeiros San Roman *et al.*, 2008 (biography of Longinos Navas). Taber *et al.*, 2008 (ecol., density in burned forest). Teplitsky *et al.*, 2008 (Psoc. as allergen). Toledo & Moreira, 2008 (psocids as possible food resource for hummingbirds in Brazil). Yoshizawa, 2008a (newsletter).

Lepidopsocidae

Neolepidopsocus chinensis Li Fasheng. China (VIII): Zhan Meiling, 2006.

Pteroxanium kelloggi (Ribaga). Great Britain (I): Alexander, 2007e. Madeira (II): Baz, 2008.

Trogiidae

Cerobasis albipes Lienhard. Madeira (II): Baz, 2008.

Cerobasis annulata (Hagen). Madeira, Selvagens Islands (II): Baz, 2008.

Cerobasis guestfalica (Kolbe). Luxembourg (I): Schneider & Carrières, 2008. Switzerland (I): Burckhardt *et al.*, 2008.

Saudi Arabia (I): Lienhard, 2008a.

Cerobasis maderensis Lienhard. Madeira (II): Baz, 2008.

Cerobasis nigra Lienhard. Madeira (II): Baz, 2008.

Cerobasis socotrae Lienhard. Yemen: Socotra (I): Lienhard, 2008a.

Lepinotus inquilinus Heyden. Madeira (II): Baz, 2008.

Lepinotus patruelis Pearman. Switzerland (I): Burckhardt *et al.*, 2008.

Lepinotus reticulatus Enderlein. Spain (I): Pascual-Villalobos *et al.*, 2006 (pest). Switzerland (I): Burckhardt *et al.*, 2008. UAE (I): Lienhard, 2008a. Selvagens Islands (II): Baz, 2008. Biol.: Opit & Throne, 2008a (population dynamics), 2008b (culture). Pest: Opit & Throne, 2008a, 2008b. Phys.: Guedes *et al.*, 2008b (heat tolerance).

Trogium pulsatorium (Linnaeus). Madeira (II): Baz, 2008.

*Trogium vanharteni** Lienhard, 2008a: 105. UAE (I).

Psyllipsocidae

Dorypteryx domestica (Smithers). Germany (I): Dorow & Kopelke, 2007. Anat., chrom.: Golub & Kucerova, 2008.

Dorypteryx longipennis Smithers. Spain (I): Pascual-Villalobos *et al.*, 2006 (pest).

Psocathropos lachlani Ribaga. Bahrain (I): Lienhard, 2008a. Madeira (II): Baz, 2008.

Psyllipsocus spec. UAE (I): Lienhard, 2008a: 108.

Psyllipsocus ramburii Selys-Longchamps. Madeira, Selvagens Islands (II): Baz, 2008.

Psyllipsocus sinicus Li Fasheng & Yang Chikun. China (VIII): Zhan Meiling, 2006.

Prionoglarididae

Afrotroglia fabella Lienhard, 2007b. Namibia (VI): Lienhard, 2008c (map of distr.).

Afrotroglia maraisi Lienhard, 2007b. Namibia (VI): Lienhard, 2008c (map of distr.).

Afrotroglia oryx Lienhard, 2007b. South Africa (VI): Lienhard, 2008c (map of distr.).

Sensitibilla brandbergensis Lienhard, 2007b. Namibia (VI): Lienhard, 2008c (map of distr.).

Sensitibilla roessingensis Lienhard, 2007b. Namibia (VI): Lienhard, 2008c (map of distr.).

Sensitibilla strinatii Lienhard. Namibia (VI): Lienhard, 2008c (habitus fig., map of distr.).

Compsocidae

*Burmacompsocus*** Nel & Waller, 2007: 1039. Gender: M. Type species: *Burmacompsocus perreai* Nel & Waller.

*Burmacompsocus perreai** Nel & Waller, 2007: 1039. Myanmar (VIII): Cretaceous Burmese amber (A).

Amphientomidae

Nephax spec. UAE (I): Lienhard, 2008a: 108.

Paramphientomum triangulum Li Fasheng. China (VIII): Zhan Meiling, 2006.

Liposcelididae

Belaphotroctes atlanticus Lienhard. Madeira (II): Baz, 2008.

Belaphotroctes ghesquierei Badonnel. UAE (I): Lienhard, 2008a.

Embidopsocus enderleini (Ribaga). Madeira (II): Baz, 2008.

Liposcelis Motschulsky. Morphology of phallosome, keys to species of several species complexes: Mockford & Krushelnycky, 2008.

Liposcelis spec. Germany (I): Dorow & Kopelke, 2007. UAE (I): Lienhard, 2008a.

Liposcelis badia Wang, Wang & Lienhard, 2006. Biol.: Jiang Hong-Bo *et al.*, 2008.

Liposcelis bostrychophila Badonnel. Description of male from Hawaii (X): Mockford & Krushelnycky, 2008: 63. Czech Republic (I): Qin Meng *et al.*, 2008 (rapid discrimination by PCR-RFLP). Spain (I): Pascual-Villalobos *et al.*, 2006 (pest). UAE (I): Lienhard, 2008a. Madeira (II): Baz, 2008. China (VIII): Qin Meng *et al.*, 2007, 2008 (rapid discrimination by PCR-RFLP). Australia (IX): Mikac, 2007 (population genetics). Hawaii (X): Mockford & Krushelnycky, 2008. Biol.: Green, 2008b; Wang Jin-Jun *et al.*, 2008 (endosymbiotic bacteria). Pest: Riudavets *et al.*, 2006 (control); Ahmedani *et al.*, 2007 (control); Green, 2008a; Guedes *et al.*, 2008a (control); Nayak & Collins, 2008 (control). Phys.: Cheng Wei-Xia *et al.*, 2006, 2007.

Liposcelis brunnea Motschulsky. Germany (I): Dorow & Kopelke, 2007. Spain (I): Pascual-Villalobos *et al.*, 2006 (pest). UAE (I): Lienhard, 2008a.

Liposcelis corrodens (Heymons). Germany (I): Dorow & Kopelke, 2007.

Liposcelis decolor (Pearman). Czech Republic (I): Qin Meng *et al.*, 2008 (rapid discrimination by PCR-RFLP). Germany (I): Dorow & Kopelke, 2007. Great Britain (I): Saville *et al.*, 2008. Spain (I): Pascual-Villalobos *et al.*, 2006 (pest). UAE (I): Lienhard, 2008a. Madeira (II): Baz, 2008. China (VIII): Qin Meng *et al.*, 2007, 2008 (rapid discrimination by PCR-RFLP). Australia (IX): Mikac, 2007 (population genetics). Biol.: Tang Pei-An *et al.*, 2008 (life table).

Liposcelis deltachi Sommerman. Hawaii (X): Mockford & Krushelnycky, 2008.

Liposcelis entomophila (Enderlein). Czech Republic (I): Qin Meng *et al.*, 2008 (rapid discrimination by PCR-RFLP). Spain (I): Pascual-Villalobos *et al.*, 2006 (pest). China (VIII): Qin Meng *et al.*, 2007, 2008 (rapid discrimination by PCR-RFLP). Biol.: Shao Ying *et al.*, 2006 (sex pheromone); Opit & Throne, 2008b (culture). Pest: Guedes *et al.*, 2008a (control); Opit & Throne, 2008b. Phys.: Cheng Wei-Xia *et al.*, 2006, 2007; Guedes *et al.*, 2008b (heat tolerance).

*Liposcelis kipukae** Mockford & Krushelnycky, 2008: 61. Hawaii (X).

*Liposcelis maunakea** Mockford & Krushelnycky, 2008: 56. Hawaii (X).

Liposcelis mendax Pearman. Spain (I): Pascual-Villalobos *et al.*, 2006 (pest).

Liposcelis meridionalis (Rosen). Madeira (II): Baz, 2008.

Liposcelis obscura Broadhead. UAE, Yemen (I): Lienhard, 2008a.

Liposcelis paeta Pearman. Czech Republic (I): Qin Meng *et al.*, 2008 (rapid discrimination by PCR-RFLP). UAE (I): Lienhard, 2008a (ecol.). China (VIII): Qin Meng *et al.*, 2007, 2008 (rapid discrimination by PCR-RFLP); Ren Yi *et al.*, 2008 (pest, control).

Liposcelis paetula Broadhead. Madeira (II): Baz, 2008.

Liposcelis rufa Broadhead. Spain (I): Pascual-Villalobos *et al.*, 2006 (pest). Hawaii (X): Mockford & Krushelnycky, 2008.

Liposcelis silvarum (Kolbe). Germany (I): Dorow & Kopelke, 2007. Switzerland (I): Burckhardt *et al.*, 2008.

*Liposcelis volcanorum** Mockford & Krushelnycky, 2008: 57. Hawaii (X).

Pachytroctidae

Pachytroctes aegyptius Enderlein. Description of macropterous female and further description of apterous female: Lienhard, 2008a. UAE (I).

*Peritroctes deserticus** Lienhard, 2008a: 113. UAE (I).

Tapinella curvata Badonnel. UAE (I): Lienhard, 2008a (fig., disc.).

Epipsocidae

Bertkauia lucifuga (Rambur). Germany (I): Dorow & Kopelke, 2007. Great Britain (I): Hollier, 2008 (ecol.). Switzerland (I): Burckhardt *et al.*, 2008. Madeira (II): Baz, 2008.

*Mesepipsocoides*** Garcia Aldrete & Casasola Gonzalez, 2008: 219. Gender: M. Type species: *Mesepipsocoides perezgelaberti* Garcia Aldrete & Casasola Gonzalez.

*Mesepipsocoides perezgelaberti** Garcia Aldrete & Casasola Gonzalez, 2008: 219. Dominican Republic (IV).

Mesepipsocus spec. Belize (IV), Brazil, Ecuador (V): Garcia Aldrete & Casasola Gonzalez, 2008 (fig.).

Mesepipsocus arborecens (New & Thornton). Ecuador (V): Garcia Aldrete & Casasola Gonzalez, 2008 (fig.).

Mesepipsocus capitulatus (New). Peru (V): Garcia Aldrete & Casasola Gonzalez, 2008 (fig.).

Mesepipsocus umbratus (New & Thornton). Peru (V): Garcia Aldrete & Casasola Gonzalez, 2008 (fig.).

Asiopsocidae

Asiopsocus meridionalis Lienhard. Oman, UAE (I): Lienhard, 2008a.

Asiopsocus vanharteni Lienhard. Yemen: Socotra (I): Lienhard, 2008a.

Caeciliusidae

Caecilius biviminalis Li Fasheng. China (VIII): Zhan Meiling, 2006.

Caecilius fuscopterus (Latreille). Luxembourg (I): Schneider & Carrières, 2008. Sweden (I): Svensson & Solbreck, 2008. Switzerland (I): Burckhardt *et al.*, 2008.

Caecilius loratus Li Fasheng. China (VIII): Zhan Meiling, 2006.

Caecilius sordidus Li Fasheng. China (VIII): Zhan Meiling, 2006.

Enderleinella obsoleta (Stephens). Czech Republic (I): Holusa, 2007c. Switzerland (I): Burckhardt *et al.*, 2008.

Epicaecilius pilipennis (Lienhard). Madeira (II): Baz, 2008.

Maoripsocus koriflae (Arahou). Madeira (II): Baz, 2008.

*Paracaecilius anareolatus** Lienhard, 2008d: 498. Vietnam (VIII).

Stenocaecilius caboverdensis (Meinander). Madeira (II): Baz, 2008.

Valenzuela atricornis (McLachlan). Luxembourg (I): Schneider & Carrières, 2008.

Valenzuela burmeisteri (Brauer). Czech Republic (I): Holusa, 2007b, 2007c, 2008. Germany (I): Dorow & Kopelke, 2007. Luxembourg (I): Schneider & Carrières, 2008. Sweden (I): Svensson & Solbreck, 2008 (fig.). Switzerland (I): Burckhardt *et al.*, 2008. Madeira (II): Baz, 2008.

Valenzuela delicatulus (Li Fasheng). China (VIII): Zhan Meiling, 2006.

Valenzuela despaxi (Badonnel). Czech Republic (I): Holusa, 2007c, 2008. Luxembourg (I): Schneider & Carrières, 2008.

Valenzuela flavidus (Stephens). Czech Republic (I): Holusa, 2007b, 2007c, 2008. Germany (I): Dorow & Kopelke, 2007. Great Britain (I): Chapman *et al.*, 2004 (by aerial netting). Luxembourg (I): Schneider & Carrières, 2008. Switzerland (I): Burckhardt *et al.*, 2008. Madeira (II): Baz, 2008. Parasit.: Keller, 2008 (pathogenic fungi).

Valenzuela gynapterus (Tetens). Germany (I): Dorow & Kopelke, 2007. Luxembourg (I): Schneider & Carrières, 2008. Sweden (I): Svensson & Solbreck, 2008. Switzerland (I): Burckhardt *et al.*, 2008.

Valenzuela patellaris (Li Fasheng). China (VIII): Zhan Meiling, 2006.

Valenzuela piceus (Kolbe). Czech Republic (I): Holusa, 2007b, 2007c, 2008. Luxembourg (I): Schneider & Carrières, 2008. Switzerland (I): Burckhardt *et al.*, 2008.

Valenzuela trimaculatus (Li Fasheng). China (VIII): Zhan Meiling, 2006.

Stenopsocidae

Graphopsocus cruciatus (Linnaeus). Czech Republic (I): Holusa, 2007b. Germany (I): Dorow & Kopelke, 2007. Luxembourg (I): Schneider & Carrières, 2008. Sweden (I): Svensson & Solbreck, 2008. Switzerland (I): Burckhardt *et al.*, 2008. Madeira (II): Baz, 2008.

Stenopsocus brachychelus Li Fasheng & Yang Chikun. China (VIII): Zhan Meiling, 2006.

Stenopsocus eucallus Li Fasheng & Yang Chikun. China (VIII): Zhan Meiling, 2006.

Stenopsocus fanjingshanicus Li Fasheng & Yang Chikun. China (VIII): Zhan Meiling, 2006.

Stenopsocus gracillimus Li Fasheng & Yang Chikun. China (VIII): Zhan Meiling, 2006.

Stenopsocus immaculatus (Stephens). Czech Republic (I): Holusa, 2007b. Germany (I): Dorow & Kopelke, 2007. Luxembourg (I): Schneider & Carrières, 2008.

Stenopsocus lachlani Kolbe. Czech Republic (I): Holusa, 2007b, 2007c, 2008. Luxembourg (I): Schneider & Carrières, 2008. Sweden (I): Svensson & Solbreck, 2008.
Stenopsocus maculosus Li Fasheng & Yang Chikun. China (VIII): Zhan Meiling, 2006.
Stenopsocus stigmaticus (Imhoff & Labram). Czech Republic (I): Holusa, 2007b. Great Britain (I): Whitehead, 2005. Luxembourg (I): Schneider & Carrières, 2008.

Amphipsocidae

Amphipsocus purpureus Li Fasheng & Yang Chikun. China (VIII): Zhan Meiling, 2006.
Dasydemella stipitiformis Li Fasheng. China (VIII): Zhan Meiling, 2006.
Kolbia quisquiliarum Bertkau. Czech Republic (I): Holusa, 2007b. Germany (I): Dorow & Kopelke, 2007. Great Britain (I): Hollier, 2008 (ecol.). Luxembourg (I): Schneider & Carrières, 2008. Sweden (I): Svensson & Solbreck, 2008.

Lachesillidae

Lachesilla bernardi Badonnel. Belgium (I): Schneider & Carrières, 2008 (p. 104). Luxembourg (I): Schneider & Carrières, 2008 (fig.). UAE (I): Lienhard, 2008a.
Lachesilla buettikeri New. Saudi Arabia (I): Lienhard, 2008a.
Lachesilla greeni (Pearman). Madeira (II): Baz, 2008.
Lachesilla oaxacana Garcia Aldrete, 2001e. Morph.: Garcia Aldrete, 2007b.
Lachesilla pedicularia (Linnaeus). Czech Republic (I): Holusa, 2007b, 2008. Germany (I): Dorow & Kopelke, 2007. Luxembourg (I): Schneider & Carrières, 2008. Sweden (I): Svensson & Solbreck, 2008 (fig.). Madeira (II): Baz, 2008.
Lachesilla quercus (Kolbe). Czech Republic (I): Holusa, 2007b, 2007c. Germany (I): Dorow & Kopelke, 2007. Saudi Arabia (I): Lienhard, 2008a. Switzerland (I): Burckhardt *et al.*, 2008.
Lachesilla tectorum Badonnel. UAE (I): Lienhard, 2008a. Madeira (II): Baz, 2008.
*Lachesilla tlapaensis** Garcia Aldrete, 2007b: 108. Mexico (IV).
Lachesilla xalapensis Garcia Aldrete, 2001e. Morph.: Garcia Aldrete, 2007b.

Ectopsocidae

Ectopsocus spec. UAE (I): Lienhard, 2008a: 118.
Ectopsocus axillaris (Smithers). Great Britain (I): Whitehead, 2005.
Ectopsocus briggsi McLachlan. Great Britain (I): Hollier, 2008 (ecol.). Iran (I): Ahadiyat & Zangeneh, 2007. Switzerland (I): Burckhardt *et al.*, 2008. Madeira (II): Baz, 2008.
Ectopsocus californicus (Banks). Argentina (V): Toledo *et al.*, 2008 (host of pathogenic fungus).
Ectopsocus maindroni Badonnel. Oman, Saudi Arabia, UAE (I): Lienhard, 2008a.
Ectopsocus meridionalis Ribaga. Czech Republic (I): Holusa, 2007b. Luxembourg (I): Schneider & Carrières, 2008. Switzerland (I): Burckhardt *et al.*, 2008.
Ectopsocus petersi Smithers. Great Britain (I): Hollier, 2008 (ecol.).
Ectopsocus rileyae Schmidt & Thornton. Madeira (II): Baz, 2008.
Ectopsocus strauchi Enderlein. Madeira, Selvagens Islands (II): Baz, 2008.

Peripsocidae

Peripsocus alboguttatus (Dalman). Czech Republic (I): Holusa, 2007b, 2007c. Luxembourg (I): Schneider & Carrières, 2008. Madeira (II): Baz, 2008.
Peripsocus bivari Baz. Madeira (II): Baz, 2008.
Peripsocus bucerus Li Fasheng. China (VIII): Zhan Meiling, 2006.
Peripsocus consobrinus Pearman. Great Britain (I): Saville, 2008 (variability, figs); Saville *et al.*, 2008.
Peripsocus didymus Roesler. Czech Republic (I): Holusa, 2007b, 2007c, 2008. Luxembourg (I): Schneider & Carrières, 2008. Morph.: Saville, 2008 (variability, figs).
Peripsocus milleri (Tillyard). Great Britain (I): Alexander, 2008b. Madeira (II): Baz, 2008.
Peripsocus parvulus Kolbe. Czech Republic (I): Holusa, 2007b. Luxembourg (I): Schneider & Carrières, 2008.
Peripsocus phaeopterus (Stephens). Czech Republic (I): Holusa, 2007b, 2007c. Luxembourg (I): Schneider & Carrières, 2008.
Peripsocus plstylpus Li Fasheng. China (VIII): Zhan Meiling, 2006 (as *P. platypus*).
Peripsocus subfasciatus (Rambur). Czech Republic (I): Holusa, 2007b, 2007c. Germany (I): Dorow & Kopelke, 2007. Great Britain (I): Alexander, 2008b (reported as *P. milleri* by Saville *et al.*, 2007); Hollier, 2008 (ecol.). Luxembourg (I): Schneider & Carrières, 2008.

Trichopsocidae

Trichopsocus brincki Badonnel. Great Britain (I): Alexander, 2007e; Saville *et al.*, 2008. Madeira (II): Golub & Nunes, 2007 (cytol., anat.); Baz, 2008.
Trichopsocus clarus (Banks). Great Britain (I): Saville *et al.*, 2008 (fig.). Madeira (II): Golub & Nunes, 2007 (cytol., anat.); Baz, 2008.
Trichopsocus coloratus Lienhard. Madeira (II): Baz, 2008.

Trichopsocus dali (McLachlan). Iran (I): Ahadiyat & Zangeneh, 2007. Luxembourg (I): Schneider & Carrières, 2008. Switzerland (I): Burekhardt *et al.*, 2008.
Trichopsocus difficilis Lienhard. Madeira (II): Baz, 2008.
Trichopsocus fastuosus (Navas). Madeira (II): Baz, 2008.
Trichopsocus marmoratus (Hagen). Madeira (II): Baz, 2008.

Pseudocaeciliidae

Heterocaecilius spec. Argentina (V): Toledo *et al.*, 2008 (host of pathogenic fungus).
Mesocaecilius elegans Li Fasheng. China (VIII): Zhan Meiling, 2006.
Novopsocus Thornton. Revised diagnosis, key to species: Cuénoud, 2008a.
*Novopsocus caeciliae** Cuénoud, 2008a: 338. New Guinea (VIII).
*Novopsocus magnus** Cuénoud, 2008a: 333. New Guinea (VIII).
Novopsocus stenopterus (Thornton & Smithers). Revised diagnosis, description of male: Cuénoud, 2008a: 336. New Guinea (VIII).
Pseudocaecilius octomaculatus (Li Fasheng). China (VIII): Zhan Meiling, 2006.

Philotarsidae

Philotarsus parviceps Roesler. Czech Republic (I): Holusa, 2007b, 2007c. Luxembourg (I): Schneider & Carrières, 2008. Sweden (I): Svensson & Solbreck, 2008.
Philotarsus picicornis (Fabricius). Czech Republic (I): Holusa, 2007b, 2007c, 2008. Luxembourg (I): Schneider & Carrières, 2008. Sweden (I): Svensson & Solbreck, 2008.

Elipsocidae

Cuneopalpus cyanops (Rostock). Czech Republic (I): Holusa, 2007c. Germany (I): Dorow & Kopelke, 2007.
Elipsocus spec. Switzerland (I): Burekhardt *et al.*, 2008. UAE (I): Lienhard, 2008a.
Elipsocus abdominalis Reuter. Germany (I): Dorow & Kopelke, 2007. Luxembourg (I): Schneider & Carrières, 2008. Sweden (I): Svensson & Solbreck, 2008.
Elipsocus hyalinus (Stephens). Czech Republic (I): Holusa, 2007b. Germany (I): Dorow & Kopelke, 2007. Luxembourg (I): Schneider & Carrières, 2008.
Elipsocus moebiusi Tetens. Czech Republic (I): Holusa, 2007b. Germany (I): Dorow & Kopelke, 2007. Luxembourg (I): Schneider & Carrières, 2008.
Elipsocus pumilis (Hagen). Czech Republic (I): Holusa, 2007c. Germany (I): Dorow & Kopelke, 2007. Great Britain (I): Alexander, 2007d (misspelled *E. pumilus*). Luxembourg (I): Schneider & Carrières, 2008.
Elipsocus pusillus Lienhard. Alexander, 2007d: species not known from Great Britain (I), erroneously mentioned by Alexander 2007a (see also correction in Lienhard, 2008b).
Hemineura spec. UAE (I): Lienhard, 2008a: 119.
Hemineura dispar Tetens. Czech Republic (I): Holusa, 2007c.
Hemineura wittmeri Badonnel. Saudi Arabia (I): Lienhard, 2008a.
Propsoocus pulchripennis (Perkins). Madeira (II): Baz, 2008.
Pseudopsocus fusciceps (Reuter). Sweden (I): Svensson & Solbreck, 2008.
Pseudopsocus meridionalis Badonnel. Switzerland (I): Burekhardt *et al.*, 2008.
Reuterella helvimacula (Enderlein). Sweden (I): Svensson & Solbreck, 2008.

Mesopsocidae

Cyrtopsochus Costa. Lienhard, 2008a: Comparison with *Rhinopsocus* Badonnel & Lienhard and with *Arabopsocus* Lienhard (name misspelled *Cytopsochus* on p. 130).
Mesopsocus spec. UAE (I): Lienhard, 2008a: 119.
Mesopsocus laticeps (Kolbe). Czech Republic (I): Holusa, 2007b. Luxembourg (I): Schneider & Carrières, 2008. Switzerland (I): Burekhardt *et al.*, 2008.
Mesopsocus unipunctatus (Müller). Czech Republic (I): Holusa, 2007b, 2007c, 2008. Germany (I): Dorow & Kopelke, 2007. Luxembourg (I): Schneider & Carrières, 2008. Sweden (I): Svensson & Solbreck, 2008.
Mesopsocus yemenitus Lienhard. Yemen (I): Lienhard, 2008a.
Psoculus neglectus (Roesler). UAE (I): Lienhard, 2008a (morph.). Madeira (II): Baz, 2008.
Rhinopsocus cincinnatus Lienhard. Description of female: Lienhard, 2008a: 120. UAE (I).
[Not *Rhinopsocus cincinnatus* Lienhard. Lienhard, 1995 (female from Yemen). See *Rhinopsocus micristhmus* Lienhard, 2008a].
[Not *Rhinopsocus cincinnatus*; Lienhard, 1988: 357 (male non-type from Yemen). See discussion in Lienhard, 2008a].
*Rhinopsocus isthmicus** Lienhard, 2008a: 122. UAE (I).
*Rhinopsocus micristhmus** Lienhard, 2008a: 122. Yemen (I).
Rhinopsocus cincinnatus Lienhard. Lienhard, 1995 (female from Yemen). See Lienhard 2008a.
[Not *Rhinopsocus cincinnatus* Lienhard, 1988; see Lienhard, 2008a].

Hemipsocidae

Hemipsocus spec. Malaysia (VIII): Yoshizawa & Johnson, 2008 (phylog.).

Metahemipsocus bicuspidatus Li Fasheng, 2002a. China (VIII): Zhan Meiling, 2006.

Psocidae

Phylogenetic analysis and revised classification: Yoshizawa & Johnson, 2008.

Amphigerontiinae

Amphigerontiini sensu Li Fasheng, 2002a. Tribal status confirmed: Yoshizawa & Johnson, 2008.

Blastini Li Fasheng, 2002a. Tribal status confirmed: Yoshizawa & Johnson, 2008.

Kaindipsocini Yoshizawa & Johnson, 2008: 557. Type genus: *Kaindipsocus* Smithers & Thornton. Tribe Kaindipsocini discussed: Lienhard, 2008d.

Stylatopsocini Li Fasheng, 2002a. Not analysed, but tribal status recognized: Yoshizawa & Johnson, 2008.

Amphigerontia spec. USA (III): Yoshizawa & Johnson, 2008 (phylog.).

Amphigerontia bifasciata (Latreille). Czech Republic (I): Holusa, 2007c, 2008. Luxembourg (I): Schneider & Carrières, 2008. Sweden (I): Svensson & Solbreck, 2008.

Amphigerontia contaminata (Stephens). Germany (I): Dorow & Kopelke, 2007. Luxembourg (I): Schneider & Carrières, 2008. Sweden (I): Svensson & Solbreck, 2008.

Amphigerontia jezoensis Okamoto. Japan (VIII): Yoshizawa & Johnson, 2008 (phylog.).

Blaste spec. USA (III): Yoshizawa & Johnson, 2008 (phylog.).

Blaste arabica New. Saudi Arabia (I): Lienhard, 2008a.

Blaste medleri New. UAE (I): Lienhard, 2008a (fig.).

Blaste obtusa (Hagen) sensu Okamoto (1906, 1907) and Tomita & Haga (1991) is *Neoblaste cubitalis* (Enderlein): Yoshizawa, 2008b: 32-33.

Blaste quadrimaculata (Latreille). Czech Republic (I): Holusa, 2007b. Great Britain (I): Saville *et al.*, 2008.

Blaste quieta (Hagen). USA (III): Yoshizawa & Johnson, 2008 (phylog.).

Blastopsocus spec. USA (III): Yoshizawa & Johnson, 2008 (phylog.).

Blastopsocus lithinus (Chapman). USA (III): Yoshizawa & Johnson, 2008 (phylog.).

*Kaindipsocus splendidus** Lienhard, 2008d: 501. Vietnam (VIII).

Kaindipsocus spec. Yoshizawa & Johnson, 2008 (phylog.).

Neoblaste cubitalis (Enderlein). Revised synonymy: Yoshizawa, 2008b: 33. Japan (VIII).

Neoblaste tateokana (Okamoto). Redescription: Yoshizawa, 2008b: 30 (**from** *Psocidus* s. l.). Japan (VIII).

Pentablaste quinquentata (Li Fasheng & Yang Chikun). China (VIII): Zhan Meiling, 2006.

Psocinae

Atrichadenotecnini Yoshizawa & Johnson, 2008: 558. Type genus: *Atrichadenotecnum* Yoshizawa.

Cycetini. Not analysed, but tribal status recognized: Yoshizawa & Johnson, 2008.

Metylophorini. Revised definition of tribe: Yoshizawa & Johnson, 2008.

Psocini. Revised definition of tribe: Yoshizawa & Johnson, 2008.

Ptyctini Mockford, 1993 (= Oreopsocini Li Fasheng, 2002a; = Trichadenotecnini Li Fasheng, 2002a) redefined and discussed: Yoshizawa & Johnson, 2008.

Sigmatoneurini Li Fasheng, 2002a. Tribal status confirmed: Yoshizawa & Johnson, 2008.

Thyrsophorini Kolbe, 1882 (= Cerastipsocini Roesler, 1940) redefined and treated as a tribe of Psocinae: Yoshizawa & Johnson, 2008.

*Arabopsocus*** Lienhard, 2008a: 125. Gender: M. Type species: *Arabopsocus spiniproctus* Lienhard.

*Arabopsocus spiniproctus** Lienhard, 2008a: 126. UAE (I).

Atlantopsocus adustus (Hagen). Great Britain (I): Saville *et al.*, 2008. Madeira (II): Golub & Nunes, 2007 (cytol., anat.); Baz, 2008.

Atlantopsocus personatus (Hagen). Italy (I): Yoshizawa & Johnson, 2008 (phylog.). Madeira (II): Baz, 2008.

Atlantopsocus semicircularis Baz. Madeira (II): Baz, 2008.

Atrichadenotecnum spec. Malaysia (VIII): Yoshizawa & Johnson, 2008 (phylog.).

Atrichadenotecnum quadripunctatum Yoshizawa. Japan (VIII): Yoshizawa & Johnson, 2008 (phylog.). Phylog.: Yoshizawa *et al.*, 2008 (out-group).

Atrichadenotecnum tayal Yoshizawa. China (VIII): Zhan Meiling, 2006.

Atropsocus atratus (Aaron). USA (III): Yoshizawa & Johnson, 2008 (phylog.).

Camelopsocus monticolus Mockford. USA (III): Yoshizawa & Johnson, 2008 (phylog.).

Cerastipsocus trifasciatus (Provancher). USA (III): Yoshizawa & Johnson, 2008 (phylog.).

Clematoscenea spec. Malaysia (VIII): Yoshizawa & Johnson, 2008 (phylog.).

Copostigma spec. Fiji (X): Yoshizawa & Johnson, 2008 (phylog.).

Cyclotus guizhouensis (Li Fasheng & Yang Chikun). China (VIII): Zhan Meiling, 2006.

Hyalopsocus spec. USA (III): Yoshizawa & Johnson, 2008 (phylog.).

Hyalopsocus floridanus (Banks). USA (III): Yoshizawa & Johnson, 2008 (phylog.).

Hyalopsocus morio (Latreille). Switzerland (I): Yoshizawa & Johnson, 2008 (phylog.).

Indiopsocus spec. USA (III): Yoshizawa & Johnson, 2008 (phylog.).

Indiopsocus bisignatus (Banks). USA (III): Yoshizawa & Johnson, 2008 (phylog.).

Loensia conspersa (Banks). USA (III): Yoshizawa & Johnson, 2008 (phylog.).

Loensia fasciata (Fabricius). Czech Republic (I): Holusa, 2007b. Germany (I): Dorow & Kopelke, 2007. Great Britain (I): Alexander, 2007e. Luxembourg (I): Schneider & Carrières, 2008. Sweden (I): Svensson & Solbreck, 2008.

Loensia moesta (Hagen). USA (III): Yoshizawa & Johnson, 2008 (phylog.).

Loensia pearmani Kimmins. Sweden (I): Svensson & Solbreck, 2008.

Loensia variegata (Latreille). Czech Republic (I): Holusa, 2007b. France (I): Yoshizawa & Johnson, 2008 (phylog.). Germany (I): Dorow & Kopelke, 2007. Luxembourg (I): Schneider & Carrières, 2008. Phylog.: Yoshizawa *et al.*, 2008 (out-group).

Longivalvus nubilus (Enderlein). Japan (VIII): Yoshizawa & Johnson, 2008 (phylog.).

Metylophorus marmoreus Li Fasheng & Yang Chikun. China (VIII): Zhan Meiling, 2006.

Metylophorus nebulosus (Stephens). Czech Republic (I): Holusa, 2007b, 2007c, 2008. Germany (I): Dorow & Kopelke, 2007. Luxembourg (I): Schneider & Carrières, 2008.

Metylophorus novaescotiae (Walker). USA (III): Yoshizawa & Johnson, 2008 (phylog.).

Metylophorus purus (Walsh). USA (III): Yoshizawa & Johnson, 2008 (phylog.).

Oreopsocus buholzeri Lienhard. Israel (I): Yoshizawa & Johnson, 2008 (phylog.). NB: According to Yoshizawa (*in litt.*) the material examined originates from Israel and not from Switzerland, as erroneously indicated in Table 2.

Proprococerastis jiangkouensis Li Fasheng & Yang Chikun. China (VIII): Zhan Meiling, 2006.

Psocidus Pearman (s. str.). Revised definition: Yoshizawa, 2008b: 29.

Psocidus (s. str.) spec. Japan (VIII): Yoshizawa & Johnson, 2008 (phylog.).

Psocidus (s. str.) *pellucidus* (Okamoto). Redescription: Yoshizawa, 2008b: 27 (**from** *Psocidus* s. l.). Japan (VIII).

Psocidus (s. str.) *validus* Thornton. Yoshizawa, 2008b: 29 [disc., could be a junior synonym of *P. pellucidus* (Okamoto)].

Psococerastis spec. New Guinea (VIII): Yoshizawa & Johnson, 2008 (phylog.).

Psococerastis albimaculata Li Fasheng & Yang Chikun. China (VIII): Zhan Meiling, 2006.

Psococerastis gibbosa (Sulzer). Czech Republic (I): Holusa, 2007b, 2007c, 2008. Germany (I): Dorow & Kopelke, 2007. Luxembourg (I): Schneider & Carrières, 2008.

Psocomesites spec. Chile (V): Yoshizawa & Johnson, 2008 (phylog.).

Psocus bipunctatus (Linnaeus). Luxembourg (I): Schneider & Carrières, 2008. Japan (VIII): Yoshizawa & Johnson, 2008 (phylog.).

Psocus crosbyi Chapman. USA (III): Yoshizawa & Johnson, 2008 (phylog.).

Ptycta spec. Hawaii (X): Yoshizawa & Johnson, 2008 (phylog.).

Ptycta buettikeri Badonnel. Saudi Arabia, Yemen (I): Lienhard, 2008a.

Ptycta johnsoni Bess & Yoshizawa, 2007. Japan (VIII). Yoshizawa & Johnson, 2008 (phylog.).

Sigmatoneura (Sigmatoneura) clara Li Fasheng & Yang Chikun. China (VIII): Zhan Meiling, 2006.

Sigmatoneura kakisayap Yoshizawa & Lienhard, *in*: Yoshizawa, Lienhard & Idris, 2005. Malaysia (VIII): Yoshizawa & Johnson, 2008 (phylog., as *Podopteroecus* spec.).

Sigmatoneura kolbei (Enderlein). Japan (VIII): Yoshizawa & Johnson, 2008 (phylog.).

Steleops spec. USA (III): Yoshizawa & Johnson, 2008 (phylog.).

Steleops elegans (Banks). USA (III): Yoshizawa & Johnson, 2008 (phylog.).

Symbiopsocus Li Fasheng. Revised genus definition: Yoshizawa, 2008b: 27.

Symbiopsocus formosanus (Okamoto). Description of male terminalia: Yoshizawa, 2008b: 24 (**from** *Psocidus*). Taiwan (VIII).

Symbiopsocus hastatus Mockford, 2003c. Japan (VIII): Yoshizawa & Johnson, 2008 (phylog.). Phylog.: Yoshizawa *et al.*, 2008 (out-group).

Thyrsophorus spec. Costa Rica (IV): Yoshizawa & Johnson, 2008 (phylog.).

Trichadenotecnum Enderlein. Phylogeny, biogeography, morphology of male genitalia, diagnoses of several species groups, keys to New World species groups and species: Yoshizawa *et al.*, 2008.

Trichadenotecnum spec. USA (III): Yoshizawa & Johnson, 2008 (phylog.). Mexico (IV): Yoshizawa *et al.*, 2008 (unidentified specimens of *desolatum* group).

*Trichadenotecnum aconcinnum** Yoshizawa, Garcia Aldrete & Mockford, 2008: 702. Mexico (IV).

*Trichadenotecnum acutolingum** Yoshizawa, Garcia Aldrete & Mockford, 2008: 665. Mexico (IV).

*Trichadenotecnum acutum** Yoshizawa, Garcia Aldrete & Mockford, 2008: 696. Mexico (IV).

Trichadenotecnum alexanderiae Sommerman. Review of distribution: Yoshizawa *et al.*, 2008.

*Trichadenotecnum barrerae** Yoshizawa, Garcia Aldrete & Mockford, 2008: 705. Mexico (IV).

*Trichadenotecnum bos** Yoshizawa, Garcia Aldrete & Mockford, 2008: 660. Peru (V).

*Trichadenotecnum brevicornum** Yoshizawa, Garcia Aldrete & Mockford, 2008: 692. Mexico (IV).

*Trichadenotecnum carinatum** Yoshizawa, Garcia Aldrete & Mockford, 2008: 670. Mexico (IV).

Trichadenotecnum castum Bez. Review of distribution: Yoshizawa *et al.*, 2008 (disc.).

*Trichadenotecnum cerrosillae** Yoshizawa, Garcia Aldrete & Mockford, 2008: 684. Mexico (IV).

*Trichadenotecnum chiapense** Yoshizawa, Garcia Aldrete & Mockford, 2008: 680. Mexico, Belize (IV).

*Trichadenotecnum cintalapense** Yoshizawa, Garcia Aldrete & Mockford, 2008: 713. Mexico (IV).

Trichadenotecnum circularoides Badonnel. Madeira (II): Baz, 2008. Mexico (IV): Yoshizawa *et al.*, 2008. Australia (IX): Yoshizawa & Johnson, 2008 (phylog.).

*Trichadenotecnum concinnum** Yoshizawa, Garcia Aldrete & Mockford, 2008: 694. Mexico (IV).

Trichadenotecnum decui Badonnel. Venezuela (V): Yoshizawa *et al.*, 2008 (disc.).

*Trichadenotecnum denticulatum** Yoshizawa, Garcia Aldrete & Mockford, 2008: 706. Guatemala, Honduras (IV).

- Trichadenotecnum desolatum* (Chapman). USA (III): Yoshizawa & Johnson, 2008 (phylog.); Yoshizawa *et al.*, 2008 (disc., figs).
- Trichadenotecnum ericium** Yoshizawa, Garcia Aldrete & Mockford, 2008: 690. Mexico (IV).
- Trichadenotecnum erwini** Yoshizawa, Garcia Aldrete & Mockford, 2008: 676. Peru (V).
- Trichadenotecnum gonzalezi* (Williner). Description of male terminalia: Yoshizawa *et al.*, 2008: 656. Ecuador, Peru (V).
- Trichadenotecnum guttatum** Yoshizawa, Garcia Aldrete & Mockford, 2008: 702. Mexico (IV).
- Trichadenotecnum innuptum* Bez. Review of distribution: Yoshizawa *et al.*, 2008.
- Trichadenotecnum latipenne** Yoshizawa, Garcia Aldrete & Mockford, 2008: 675. Mexico (IV).
- Trichadenotecnum longilingum** Yoshizawa, Garcia Aldrete & Mockford, 2008: 669. Mexico (IV).
- Trichadenotecnum maculatum** Yoshizawa, Garcia Aldrete & Mockford, 2008: 687. Mexico (IV).
- Trichadenotecnum magnolingum** Yoshizawa, Garcia Aldrete & Mockford, 2008: 666. Mexico (IV).
- Trichadenotecnum majus* (Kolbe). Czech Republic (I): Holusa, 2007b, 2007c, 2008. Luxembourg (I): Schneider & Carrières, 2008. Sweden (I): Svensson & Solbreck, 2008. Review of distribution: Yoshizawa *et al.*, 2008.
- Trichadenotecnum merum* Bez. Review of distribution: Yoshizawa *et al.*, 2008.
- Trichadenotecnum miffy** Yoshizawa, Garcia Aldrete & Mockford, 2008: 707. Peru (V).
- Trichadenotecnum neoleonense** Yoshizawa, Garcia Aldrete & Mockford, 2008: 689. Mexico (IV).
- Trichadenotecnum oaxacense** Yoshizawa, Garcia Aldrete & Mockford, 2008: 697. Nicaragua (IV).
- Trichadenotecnum oaxacense** Yoshizawa, Garcia Aldrete & Mockford, 2008: 660. Mexico (IV).
- Trichadenotecnum obrienorum** Yoshizawa, Garcia Aldrete & Mockford, 2008: 710. Honduras (IV).
- Trichadenotecnum pardus* Badonnel. Yoshizawa *et al.*, 2008: Dominican Republic, Mexico, Panama (IV); Venezuela (V).
- Trichadenotecnum peruense** Yoshizawa, Garcia Aldrete & Mockford, 2008: 656. Peru (V).
- Trichadenotecnum pichincha* New & Thornton. Ecuador (V): Yoshizawa *et al.*, 2008 (disc., probably not belonging to the genus *Trichadenotecnum*).
- Trichadenotecnum quaesitellum** Yoshizawa, Garcia Aldrete & Mockford, 2008: 682. Mexico (IV).
- Trichadenotecnum quaesitum* (Chapman). Canada, USA (III): Yoshizawa *et al.*, 2008 (disc.). USA (III): Yoshizawa & Johnson, 2008 (phylog.).
- Trichadenotecnum roesleri* New. Brazil (V): Yoshizawa *et al.*, 2008 (disc.).
- Trichadenotecnum sexpunctatum* (Linnaeus). Germany (I): Dorow & Kopelke, 2007. Luxembourg (I): Schneider & Carrières, 2008.
- Trichadenotecnum simile* Mockford. Brazil (V): Yoshizawa *et al.*, 2008 (disc.).
- Trichadenotecnum sinuatum* New. Brazil (V): Yoshizawa *et al.*, 2008 (disc.).
- Trichadenotecnum slossonae* (Banks). USA (III), Mexico (IV): Yoshizawa *et al.*, 2008 (disc.).
- Trichadenotecnum sparsum** Yoshizawa, Garcia Aldrete & Mockford, 2008: 673. Mexico (IV).
- Trichadenotecnum sylvaticum* Turner. Jamaica (IV): Yoshizawa *et al.*, 2008 (disc., probably not belonging to the genus *Trichadenotecnum*).
- Trichadenotecnum tambopatense** Yoshizawa, Garcia Aldrete & Mockford, 2008: 657. Peru (V).
- Trichadenotecnum tuitense** Yoshizawa, Garcia Aldrete & Mockford, 2008: 672. Mexico (IV).

Thyrsophorinae
See Psocinae: Thyrsophorini.

Psilopsocidae

Psilopsocus malayanus New & Lee. Malaysia (VIII): Yoshizawa & Johnson, 2008 (phylog.).

Myopsocidae

Lichenomima spec. Japan (VIII): Yoshizawa & Johnson, 2008 (phylog.).

Myopsocus spec. USA (III): Yoshizawa & Johnson, 2008 (phylog.).

Myopsocus eatoni McLachlan. Madeira (II): Baz, 2008.

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 7 of the "Additions" (Psocid News, no. 4-10).

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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- Aslam, M. 2007. See Ahmedani, M. S. *et al.* 2007.
- Aspöck, H. 2007. In memoriam Martin Meinander (1940-2004). *Annali del Museo Civico di Storia Naturale di Ferrara* 8 (2005): 3-8, 8 figs.
- Auger-Rozenberg, M.-A. 2007. See Kenis, M. *et al.* 2007.
- Azar, D. 2008. See Huang D.-Y. *et al.* 2008.
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- Bauer, L. S. 2008. See Huber, J. T. *et al.* 2008.
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5. Corrections to Lienhard & Smithers, 2002

Page 129: *Triplocania lucida* (not *lurida*).

Page 536: Evans, H. A. 1979 (not 1978)... *Entomologist's Monthly Magazine* 114 (1978): 119-121, 1 fig.

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