



HOKKAIDO UNIVERSITY

Title	Psocid News : The Psocidologists' Newsletter
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Doc URL	https://hdl.handle.net/2115/35519
Type	other
File Information	013 PN_13.pdf, No. 13 (Feb. 28, 2011)



Psocid News

The Psocidologists' Newsletter

No. 13 (Feb. 28, 2011)



Nymph of *Prionoglaris* sp. (Turkey)

ADDITIONS AND CORRECTIONS (PART 10) TO LIENHARD & SMITHERS, 2002: "PSOCOPTERA (INSECTA) - WORLD CATALOGUE AND BIBLIOGRAPHY"

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1. Introduction

This is the 10th part of a series of "Additions and Corrections to the World Catalogue and Bibliography" published in "Psocid News" (Parts 1-9 in Psocid News no. 4-12). 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 1-9). 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 9 of the "Additions" (Psocid News, no. 4-12).

2. List of countries mentioned in the "Additions and Corrections to the World Catalogue" (Parts 1-10)

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 10 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: 2-16
- Part 9: published in Psocid News, no. 12: 1-18
- Part 10: published in Psocid News, no. 13 (= present issue)

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

(II) Azores (Part 5), Canary Islands (Parts 1, 4, 5, 10), 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, 10)

(IV) Belize (Parts 1, 4, 6, 8, 9, 10), 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), Hispaniola (Part 10), Honduras (Part 8), Jamaica (Parts 7, 8, 9), Mexico (Parts 1, 3, 4, 5, 6, 7, 8, 9, 10), Nicaragua (Parts 1, 3, 4, 6, 7, 8), Panama (Parts 4, 6, 8), Puerto Rico (Parts 1, 7, 10), Trinidad (Part 1)

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

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

(VIII) Brunei (Parts 5, 6), China (Parts 2, 3, 5, 6, 7, 8, 9, 10), Hong Kong (Part 5), India (Parts 3, 5, 6, 7), Indonesia (Parts 1, 3, 5, 6, 10), Japan (Parts 1, 4, 6, 7, 8, 9, 10), Kuril Islands (Part 4), Kyrgyzstan (Part 5), Laos (Parts 5, 6), Malaysia (Parts 1, 5, 6, 8, 10), Myanmar (Parts 6, 8), Nepal (Part 7), New Guinea (Parts 3, 5, 8), Philippines (Parts 3, 5, 6), Russia (Parts 1, 10), 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, 10), Lord Howe Island (Parts 4, 7), New Zealand (Parts 1, 4), Tasmania (Part 9)

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

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

3. Additions to the Catalogue

Psocodea

Bess & Johnson, 2010 (online species file). Liu Ping-Juan *et al.*, 2010 (some Middle Jurassic Psocodea listed from the literature, belonging to Lophioneuridae and uncertain family, with remarks on palaeoecology) (A). Yoshizawa & Johnson, 2010 (discussion of "Polyphyly of Lice" hypothesis). Yoshizawa & Lienhard, 2010 (phylogenetic relationships of Liposcelididae with parasitic Psocodea discussed).

Psocidiidae (= Dichentomidae; see Rasnitsyn, 2002: 129)

Psocopsylla** Özdikmen, 2009: 613 (replacement name for *Eopsylla* Vishnyakova, 1976). Gender: F. Type species: *Dichentomum sojanense* Becker-Migdisova, 1962 (Upper Permian) (A).

Psocoptera

Baz, 2008b (encyclopedia). Golub & Nokkala, 2009 (chromosome numbers, review). Ahmedani *et al.*, 2010 (psocids as stored product pests, review). Athanassiou *et al.*, 2010a (control of stored-product psocids). Barros *et al.*, 2010 (ecol., Brazil). Cutz *et al.*, 2010 (ecol., Mexico). Garcia-del-Rey *et al.*, 2010 (psocids as prey of birds). Hollier, 2010 (common names discussed: barklouse/barkfly). Lienhard, 2010 (additions and corrections to the World Catalogue). Lienhard *et al.*, 2010b: 627 (spermapore region belonging to 8th sternum, not to 9th sternum). Mallis & Rieske, 2010 (psocids as potential prey for web-building spiders, USA). Richardson *et al.*, 2010 (ecol., Puerto Rico). Sabu & Shiju, 2010 (collecting techniques, India). Savoldelli & Bruschi, 2010 (monitoring in pasta warehouse). Stiling *et al.*, 2010 (no effect of elevated CO₂ on psocids). Throne, 2010 (psocids as emerging pests of stored products in North America). Vasconcellos *et al.*, 2010 (ecol., Brazil). Wang *et al.*, 2010 (grain storage in China, review). Whitaker & Ruckdeschel, 2010 (psocids in "Spanish Moss", Bromeliaceae, USA). Yoshizawa, 2010a (newsletter).

Psocoptera incertae sedis:

Lacroxiella martini (Lacroix). Distr.: Schneider, 2010a (species alien to Europe).

Empheriidae

Jerseyempheria** Azar, Nel & Petrulevicius, 2010: 763. Gender: F. Type species: *Jerseyempheria grimaldii* Azar, Nel & Petrulevicius.

Jerseyempheria grimaldii* Azar, Nel & Petrulevicius, 2010: 763. Amber (Upper Cretaceous) (A): USA, New Jersey (III).

Lepidopsocidae

Echmepteryx spec. Hispaniola (IV) in Dominican amber (A): Perez-Gelabert, 2008.

Echmepteryx madagascariensis (Kolbe). Distr.: Schneider, 2010a (species alien to Europe).

Lepolepis bicolor Broadhead. Distr.: Schneider, 2010a (species alien to Europe).

Nepticulomima sakuntala Enderlein. Distr.: Schneider, 2010a (species alien to Europe).

Pteroxanium kelloggi (Ribaga). Denmark, Sweden (I): Svensson & Hall, 2010. Biol.: Saville, 2010a (feeding preferences). Distr.: Schneider, 2010a (species alien to Europe).

Soa flaviterminata Enderlein. Distr.: Schneider, 2010a (species alien to Europe).

Trogiidae

Cerobasis annulata (Hagen). Iceland, Norway (I): Svensson & Hall, 2010. Distr.: Schneider, 2010a (species alien in parts of Europe).

Cerobasis guestfalica (Kolbe). Denmark, Finland, Iceland, Norway, Sweden (I): Svensson & Hall, 2010. Germany (I): Dorow & Blick, 2010b.

Lepinotus spec. Morocco (I): Arahou, 2008.

Lepinotus inquilinus Heyden. Denmark, Finland, Norway, Sweden (I): Svensson & Hall, 2010. Chrom.: Golub & Nokkala, 2009. Distr.: Schneider, 2010a (species alien to Europe). Pest: Ahmedani *et al.*, 2010.

Lepinotus patruelis Pearman. Denmark, Finland, Iceland, Norway, Sweden (I): Svensson & Hall, 2010. Distr.: Schneider, 2010a (species alien to Europe). Pest: Ahmedani *et al.*, 2010.

Lepinotus reticulatus Enderlein. Finland, Norway, Sweden (I): Svensson & Hall, 2010. Biol.: Opit *et al.*, 2010a (reproductive parameters). Chrom.: Golub & Nokkala, 2009. Distr.: Schneider, 2010a (species alien to Europe). Ecol.: Opit *et al.*, 2010b (life history). Pest: Ahmedani *et al.*, 2010; Athanassiou *et al.*, 2009b, 2009c, 2010c (control).

Trogium pulsatorium (Linnaeus). Denmark, Finland, Iceland, Norway, Sweden (I): Svensson & Hall, 2010.

Chrom.: Golub & Nokkala, 2009. Distr.: Schneider, 2010a (species alien to Europe). Pest: Ahmedani *et al.*, 2010.

Psoquillidae

Note on morphology of phallosome: Mockford & Garcia Aldrete, 2010b: 62.

Psoquilla infuscata Badonnel. Description of male and brachypterous form: Mockford & Garcia Aldrete, 2010b: 62. Belize, Mexico (IV); Peru, Suriname (V).

Psoquilla marginepunctata Hagen. Augmented description: Mockford & Garcia Aldrete, 2010b: 65 (synonymy with *Heteropsocus dispar* Verrill confirmed); USA (III), Mexico (IV), Brazil (V). Chrom.: Golub & Nokkala, 2009. Distr.: Schneider, 2010a (species alien to Europe).

Rhyopsocus spec. Hispaniola (IV) in Dominican amber (A): Perez-Gelabert, 2008.

Rhyopsocus disparilis (Pearman). Distr.: Schneider, 2010a (species alien to Europe).

Rhyopsocus peregrinus (Pearman). Distr.: Schneider, 2010a (species alien to Europe).

Psyllipsocidae

Dorypteryx domestica (Smithers). Denmark, Finland, Iceland, Norway, Sweden (I): Svensson & Hall, 2010. Chrom.: Golub & Nokkala, 2009. Distr.: Schneider, 2010a (species alien to Europe).

Dorypteryx longipennis Smithers. Distr.: Schneider, 2010a (species alien to Europe).

Dorypteryx pallida Aaron. Distr.: Schneider, 2010a (species alien to Europe).

Psocathropos spec. Chrom.: Golub & Nokkala, 2009.

Psocathropos lachlani Ribaga. Distr.: Schneider, 2010a (species alien to Europe).

Psyllipsocus spec. Hispaniola (IV) in Dominican amber (A): Perez-Gelabert, 2008.

Psyllipsocus ramburii Selys-Longchamps. Finland, Iceland, Norway, Sweden (I): Svensson & Hall, 2010. Distr.: Schneider, 2010a (species alien to Europe).

Prionoglarididae

Genital morphology and biogeography of Sensitibillini discussed (especially genera *Afrotrigla* and *Neotrigla*): Lienhard *et al.*, 2010b.

Afrotrigla Lienhard, 2007. Genital morphology discussed: Lienhard *et al.*, 2010b.

*Neotrigla*** Lienhard, 2010; *in*: Lienhard, Oliveira do Carmo & Lopes Ferreira, 2010: 612. Gender: F. Type species: *Neotrigla brasiliensis* Lienhard.

*Neotrigla aurora** Lienhard, 2010; *in*: Lienhard, Oliveira do Carmo & Lopes Ferreira, 2010: 619. Brazil (V).

*Neotrigla brasiliensis** Lienhard, 2010; *in*: Lienhard, Oliveira do Carmo & Lopes Ferreira, 2010: 614. Brazil (V).

*Neotrigla truncata** Lienhard, 2010; *in*: Lienhard, Oliveira do Carmo & Lopes Ferreira, 2010: 622. Brazil (V).

*Sensitibilla etosha** Lienhard & Holusa, 2010; *in*: Lienhard, Holusa & Grafitti, 2010: 193. Namibia (VI).

*Speleopsocus*** Lienhard, 2010; *in*: Lienhard, Holusa & Grafitti, 2010: 186. Gender: M. Type species: *Speleopsocus chimanta* Lienhard.

*Speleopsocus chimanta** Lienhard, 2010; *in*: Lienhard, Holusa & Grafitti, 2010: 187. Venezuela (V).

Amphientomidae

Lithoseopsis spec. Hispaniola (IV) in Dominican amber (A): Perez-Gelabert, 2008.

Seopsis spec. Chrom.: Golub & Nokkala, 2009.

Seopsocus acuminatus Roesler. Chrom.: Golub & Nokkala, 2009.

Liposcelididae

Review of taxonomy, fossil record and phylogeny, with updated species checklist: Yoshizawa & Lienhard, 2010.

Monophyly of subfamily Embidopsocinae highly questionable: Yoshizawa & Lienhard, 2010.

Belaphopsocus dominicus Grimaldi & Engel, 2006. Hispaniola (IV) in Dominican amber (A): Perez-Gelabert, 2008.

Belaphotroctes ghesquierei Badonnel. Distr.: Schneider, 2010a (species alien to Europe).

Embidopsocus enderleini (Ribaga). Great Britain (I): Saville, 2010b.

Embidopsocus minor (Pearman). Distr.: Schneider, 2010a (species alien to Europe).

Embidopsocus oleaginus (Hagen). Czech Republic (I): Kucerova & Lienhard, 2010 (imported with stored food products).

Liposcelis Motschulsky. Monophyly with respect to *Trogloctroctes* Lienhard highly questionable: Yoshizawa

& Lienhard, 2010.

***Liposcelis* spec.** Morocco (I): Arahou, 2008. Hispaniola (IV) in Dominican amber (A): Perez-Gelabert, 2008 (listed based on Grimaldi & Engel, 2006).

***Liposcelis* spec.** Yoshizawa & Lienhard, 2010: 183. Lower Eocene amber (Tertiary) from France (I) (A). *Embidopsocus eocenicus* Nel, De Ploeg & Azar; *sensu* Nel *et al.*, 2005: 379 (apterous specimen). [Not *Embidopsocus eocenicus* Nel, De Ploeg & Azar, 2004: 31].

Liposcelis albothoracica Broadhead. Distr.: Schneider, 2010a (species alien to Europe).

Liposcelis bostrychophila Badonnel. Denmark, Finland, Norway, Sweden (I): Svensson & Hall, 2010. Italy (I): Dutto, 2008 (pest in school buildings). Turkey (I): Özsisli, 2010. Malaysia (VIII): Heo Chong Chin *et al.*, 2010 (pest in museum). Chrom.: Golub & Nokkala, 2009. Distr.: Schneider, 2010a (species alien to Europe). Parasit.: Behar *et al.*, 2010 (*Rickettsia felis*); Kageyama *et al.*, 2010 (*Wolbachia* symbionts). Pest: Ahmedani *et al.*, 2010; Athanassiou *et al.*, 2009b, 2009c (control); Athanassiou *et al.*, 2010b (population dynamics); Deng *et al.*, 2010 (control); Dou *et al.*, 2010a, 2010b (glutathione S-transferases, control); Nayak, 2010 (control). Techniques: Ceruti & Lazzari, 2010 (species identification by molecular markers); Jiang Hong-Bo *et al.*, 2010a, 2010b (molecular genetics); Lazzari *et al.*, 2010 (species discrimination by Near Infrared Spectroscopy); Li Zhihong *et al.*, 2010 (molecular identification of species).

Liposcelis brunnea Motschulsky. Finland, Norway, Sweden (I): Svensson & Hall, 2010. Distr.: Schneider, 2010a (species alien to Europe). Ecol.: Opit *et al.*, 2010b (life history). Pest: Ahmedani *et al.*, 2010. Techniques: Ceruti & Lazzari, 2010 (species identification by molecular markers); Lazzari *et al.*, 2010 (species discrimination by Near Infrared Spectroscopy); Li Zhihong *et al.*, 2010 (molecular identification of species).

Liposcelis corrosens (Heymons). Finland, Iceland, Sweden (I): Svensson & Hall, 2010. Germany (I): Dorow & Blick, 2010b. Distr.: Schneider, 2010a (species alien to Europe). Pest: Ahmedani *et al.*, 2010. Techniques: Ceruti & Lazzari, 2010 (species identification by molecular markers); Lazzari *et al.*, 2010 (species discrimination by Near Infrared Spectroscopy); Li Zhihong *et al.*, 2010 (molecular identification of species).

Liposcelis decolor (Pearman). Denmark, Finland, Iceland (I): Svensson & Hall, 2010. Germany (I): Dorow & Blick, 2010b. Great Britain (I): Saville, 2010b. Distr.: Mikac & FitzSimmons, 2010 (population genetics, dispersal); Schneider, 2010a (species alien to Europe). Pest: Ahmedani *et al.*, 2010; Athanassiou *et al.*, 2010b (population dynamics); Nayak, 2010 (control). Techniques: Lazzari *et al.*, 2010 (species discrimination by Near Infrared Spectroscopy); Li Zhihong *et al.*, 2010 (molecular identification of species).

Liposcelis divinatoria (Müller). Hispaniola (IV): Perez-Gelabert, 2008. Pest: Ahmedani *et al.*, 2010.

Liposcelis entomophila (Enderlein). Finland (I): Svensson & Hall, 2010. Distr.: Schneider, 2010a (species alien to Europe). Pest: Ahmedani *et al.*, 2010; Athanassiou *et al.*, 2009b (control); Athanassiou *et al.*, 2010b (population dynamics); Dou *et al.*, 2010b (glutathione S-transferases); Nayak, 2010 (control). Phys.: Xiao Li-Sha *et al.*, 2010 (acetylcholinesterase, insecticide resistance). Techniques: Ceruti & Lazzari, 2010 (species identification by molecular markers); Lazzari *et al.*, 2010 (species discrimination by Near Infrared Spectroscopy); Li Zhihong *et al.*, 2010 (molecular identification of species).

Liposcelis formicaria (Hagen). Czech Republic (I): Kucerova & Lienhard, 2010.

Liposcelis fusciceps Badonnel. Techniques: Ceruti & Lazzari, 2010 (species identification by molecular markers); Lazzari *et al.*, 2010 (species discrimination by Near Infrared Spectroscopy).

Liposcelis keleri Günther. Czech Republic (I): Kucerova & Lienhard, 2010 (in building). Sweden (I): Svensson & Hall, 2010.

Liposcelis mendax Pearman. Czech Republic (I): Kucerova & Lienhard, 2010. Distr.: Schneider, 2010a (species alien to Europe). Pest: Ahmedani *et al.*, 2010. Techniques: Li Zhihong *et al.*, 2010 (molecular identification of species).

Liposcelis obscura Broadhead. Distr.: Schneider, 2010a (species alien to Europe).

Liposcelis paeta Pearman. Distr.: Schneider, 2010a (species alien to Europe). Pest: Ahmedani *et al.*, 2010; Athanassiou *et al.*, 2009b, 2009c (control); Athanassiou *et al.*, 2010b (population dynamics); Lu & He, 2010 and Lu & Wu, 2010 (control); Nayak, 2010 (control); Wu Shuang *et al.*, 2010 (acetylcholinesterase, insecticide resistance). Techniques: Ceruti & Lazzari, 2010 (species identification by molecular markers); Lazzari *et al.*, 2010 (species discrimination by Near Infrared Spectroscopy); Li Zhihong *et al.*, 2010 (molecular identification of species).

Liposcelis paetula Broadhead. Distr.: Schneider, 2010a (species alien to Europe).

Liposcelis pearmani Lienhard. Denmark, Finland, Sweden (I): Svensson & Hall, 2010. Distr.: Schneider, 2010a (species alien to Europe). Ecol.: Opit *et al.*, 2010b (life history). Techniques: Ceruti & Lazzari, 2010 (species identification by molecular markers); Lazzari *et al.*, 2010 (species discrimination by

Near Infrared Spectroscopy); Li Zhihong *et al.*, 2010 (molecular identification of species).

Liposcelis pubescens Broadhead. Denmark (I): Svensson & Hall, 2010. Distr.: Schneider, 2010a (species alien to Europe).

Liposcelis rufa Broadhead. Distr.: Schneider, 2010a (species alien in parts of Europe). Ecol.: Gautam *et al.*, 2010 (population dynamics); Opit *et al.*, 2010b (life history). Pest: Ahmedani *et al.*, 2010. Techniques: Ceruti & Lazzari, 2010 (species identification by molecular markers); Lazzari *et al.*, 2010 (species discrimination by Near Infrared Spectroscopy); Li Zhihong *et al.*, 2010 (molecular identification of species).

Liposcelis silvarum (Kolbe). Finland, Norway, Sweden (I): Svensson & Hall, 2010. Germany (I): Dorow & Blick, 2010b.

Liposcelis tricolor Badonnel. Pest: Ahmedani *et al.*, 2010. Techniques: Li Zhihong *et al.*, 2010 (molecular identification of species).

Troglotroctes Lienhard. Yoshizawa & Lienhard, 2010: Genus retained but monophyly of *Liposcelis* Motschulsky with respect to *Troglotroctes* Lienhard highly questionable.

Pachytroctidae

Nanopsocus oceanicus Pearman. Distr.: Schneider, 2010a (species alien to Europe).

Tapinella castanea Pearman. Distr.: Schneider, 2010a (species alien to Europe).

Sphaeropsocidae

Checklist of fossil and recent Sphaeropsocidae: Azar *et al.*, 2010a: 106.

Asphaeropsocites** Azar, Engel & Grimaldi, 2010: 103. Gender: M. Type species: *Asphaeropsocites neli* Azar, Engel & Grimaldi.

Asphaeropsocites neli* Azar, Engel & Grimaldi, 2010: 105. Early Cretaceous amber (A) from Lebanon (I).

Badonnelia titei Pearman. Finland, Iceland, Norway, Sweden (I): Svensson & Hall, 2010.

Epipsocidae

Bertkauia lucifuga (Rambur). Denmark, Finland, Norway, Sweden (I): Svensson & Hall, 2010. Germany (I): Dorow & Blick, 2010b. Chrom.: Golub & Nokkala, 2009.

Epipsocus spec. Hispaniola (IV) in Dominican amber (A): Perez-Gelabert, 2008.

Mesepipsocoides perezgelaberti Garcia Aldrete & Casasola Gonzalez, 2008. Hispaniola (IV): Perez-Gelabert, 2008.

Mesepipsocus bolivianus* Garcia Aldrete, 2009d: 384. Bolivia (V).

Mesepipsocus icarus (Banks). Hispaniola (IV): Perez-Gelabert, 2008.

Dolabellopsocidae

Isthmopsocus spec. Hispaniola (IV) in Dominican amber (A): Perez-Gelabert, 2008.

Spurostigmatidae

Spurostigma Eertmoed. Species of *Spurostigma*, checklist and key: Garcia Aldrete, 2009c.

Spurostigma spec. Hispaniola (IV) in Dominican amber (A): Perez-Gelabert, 2008.

Spurostigma boliviana* Garcia Aldrete, 2009c: 15. Bolivia (V).

Spurostigma hispaniola Eertmoed. Hispaniola (IV): Perez-Gelabert, 2008.

Ptiloneuridae

Key to genera: Azar, Nel & Waller, 2009: 26.

Brisacia** Azar, Nel & Waller, 2009: 23. Gender: F. Type species: *Brisacia colombiensis* Azar, Nel & Waller.

Brisacia colombiensis* Azar, Nel & Waller, 2009: 23. Copal (Quaternary) (A): Colombia (V).

Euplocania spec. Colombia (V), Quaternary copal (A): Azar, Nel & Waller, 2009: 24 (descr., figs).

Loneura Navas. Taxonomic revision and phylogeny: Castro, 2007.

Triplocania caudata New. Chrom.: Golub & Nokkala, 2009.

Cladiopsocidae

Cladiopsocus spec. Hispaniola (IV) in Dominican amber (A): Perez-Gelabert, 2008.

Caeciliusidae

Asiocaecilius singaporensis (Enderlein). Chrom.: Golub & Nokkala, 2009.

Caecilius spec. Chrom.: Golub & Nokkala, 2009.

Caecilius fuscopterus (Latreille). Denmark, Finland, Norway, Sweden (I): Svensson & Hall, 2010. Germany (I): Dorow & Blick, 2010b. Hungary (I): Sziraki, 2006b. Romania (I): Sziraki, 2006a. Chrom.: Golub & Nokkala, 2009.

Dypsocus spec. Chrom.: Golub & Nokkala, 2009.

Enderleinella spec. Hispaniola (IV) in Dominican amber (A): Perez-Gelabert, 2008.

Enderleinella obsoleta (Stephens). Denmark, Finland, Norway, Sweden (I): Svensson & Hall, 2010. Hungary (I): Sziraki, 2006b. Romania (I): Sziraki, 2006a. Chrom.: Golub & Nokkala, 2009. Distr.: Schneider, 2010a (species alien in parts of Europe).

Stenocaecilius antillanus (Banks). Hispaniola (IV): Perez-Gelabert, 2008.

Stenocaecilius insularum (Mockford). Hispaniola (IV): Perez-Gelabert, 2008.

Valenzuela alcinus (Banks). Hispaniola (IV): Perez-Gelabert, 2008.

Valenzuela atricornis (McLachlan). Denmark, Finland, Norway, Sweden (I): Svensson & Hall, 2010. Hungary (I): Sziraki, 2006b. Romania (I): Sziraki, 2006a.

Valenzuela burmeisteri (Brauer). Denmark, Finland, Norway, Sweden (I): Svensson & Hall, 2010. Germany (I): Dorow & Blick, 2010b. Hungary (I): Sziraki, 2006b. Romania (I): Sziraki, 2006a. Chrom.: Golub & Nokkala, 2009.

Valenzuela caligonoides (Mockford). Hispaniola (IV): Perez-Gelabert, 2008.

Valenzuela caligonus (Banks). Hispaniola (IV): Perez-Gelabert, 2008.

Valenzuela corsicus (Kolbe). Sweden (I): Svensson & Hall, 2010.

Valenzuela despaxi (Badonnel). Denmark, Finland, Norway, Sweden (I): Svensson & Hall, 2010. Romania (I): Sziraki, 2006a.

Valenzuela difficilis (Mockford). Hispaniola (IV): Perez-Gelabert, 2008.

Valenzuela elegans (Mockford). Hispaniola (IV): Perez-Gelabert, 2008.

Valenzuela flavidus (Stephens). Denmark, Finland, Norway, Sweden (I): Svensson & Hall, 2010. Germany (I): Dorow & Blick, 2010b. Hungary (I): Sziraki, 2006b, 2009. Romania (I): Sziraki, 2006a. Chrom.: Golub & Nokkala, 2009.

Valenzuela gynapterus (Tetens). Denmark, Finland, Norway, Sweden (I): Svensson & Hall, 2010. Germany (I): Dorow & Blick, 2010b. Chrom.: Golub & Nokkala, 2009.

Valenzuela labinae Lienhard, 2006. Chrom.: Golub & Nokkala, 2009.

Valenzuela nebulosoides Mockford. Hispaniola (IV): Perez-Gelabert, 2008.

Valenzuela oyamai (Enderlein). Russia (VIII): Golub & Nokkala, 2009 (testis structure). Chrom.: Golub & Nokkala, 2009.

Valenzuela piceus (Kolbe). Denmark, Finland, Norway, Sweden (I): Svensson & Hall, 2010. Hungary (I): Sziraki, 2006b, 2009. Chrom.: Golub & Nokkala, 2009.

Valenzuela subelegans (Mockford). Hispaniola (IV): Perez-Gelabert, 2008.

Xanthocaecilius spec. Hispaniola (IV) in Dominican amber (A): Perez-Gelabert, 2008.

Xanthocaecilius sommermanae (Mockford). Parasit.: Sokolova *et al.*, 2010 (infected by microsporidia).

Stenopsocidae

Graphopsocus cruciatus (Linnaeus). Denmark, Finland, Norway, Sweden (I): Svensson & Hall, 2010. Germany (I): Dorow & Blick, 2010b. Hungary (I): Sziraki, 2006b, 2009. Morocco (I): Arahou, 2008. Romania (I): Sziraki, 2006a. Chrom.: Golub & Nokkala, 2009.

Stenopsocus aphidiformis Enderlein. Chrom.: Golub & Nokkala, 2009.

Stenopsocus immaculatus (Stephens). Denmark, Finland, Norway, Sweden (I): Svensson & Hall, 2010. Germany (I): Dorow & Blick, 2010a, 2010b. Hungary (I): Sziraki, 2006b, 2009. Romania (I): Sziraki, 2006a. Chrom.: Golub & Nokkala, 2009.

Stenopsocus lachlani Kolbe. Denmark, Finland, Norway, Sweden (I): Svensson & Hall, 2010. Romania (I): Sziraki, 2006a. Chrom.: Golub & Nokkala, 2009.

Stenopsocus stigmaticus (Imhoff & Labram). Denmark, Finland, Sweden (I): Svensson & Hall, 2010. Hungary (I): Sziraki, 2009. Romania (I): Sziraki, 2006a.

Amphipsocidae

Amphipsocus japonicus (Enderlein). Chrom.: Golub & Nokkala, 2009.

Kolbia quisquiliarum Bertkau. Denmark, Finland, Norway, Sweden (I): Svensson & Hall, 2010. Germany (I): Dorow & Blick, 2010b. Hungary (I): Sziraki, 2009. Russia (I): Golub & Nokkala, 2009. Chrom.: Golub & Nokkala, 2009.

Polypsocus corruptus (Hagen). Parasit.: Sokolova *et al.*, 2010 (infected by microsporidia).

Polypsocus fasciatus Banks. Hispaniola (IV): Perez-Gelabert, 2008.

Lachesillidae

- Lachesilla** Westwood. Definition of *cerorma* species group: Garcia Aldrete, 2010a: 312. Subdivision of *andra* species group into 4 subgroups, key to these subgroups: Mockford & Garcia Aldrete, 2010a.
- Lachesilla acuminiforceps** Garcia Aldrete. Hispaniola (IV): Perez-Gelabert, 2008.
- Lachesilla aethiopica** (Enderlein). Hispaniola (IV): Perez-Gelabert, 2008.
- Lachesilla amacayacuensis*** Garcia Aldrete, 2010b: 750 (assigned to *forcepeta* species group). Colombia (V).
- Lachesilla bulbosiforceps*** Garcia Aldrete, 2010b: 751 (assigned to *forcepeta* species group). Peru (V).
- Lachesilla carpinteroi*** Garcia Aldrete, 2010a: 309 (assigned to *pedicularia* species group). Peru (V).
- Lachesilla cerorma*** Garcia Aldrete, 2010a: 310 (assigned to *cerorma* species group). Mexico (IV).
- Lachesilla cuzcoensis*** Garcia Aldrete, 2010b: 751 (assigned to *forcepeta* species group). Peru (V).
- Lachesilla dilatiforceps** Garcia Aldrete. Hispaniola (IV): Perez-Gelabert, 2008.
- Lachesilla pacifica** Chapman. Distr.: Schneider, 2010a (species alien to Europe).
- Lachesilla greeni** (Pearman). Norway (I): Svensson & Hall, 2010. Distr.: Schneider, 2010a (species alien in parts of Europe).
- Lachesilla marabaensis*** Garcia Aldrete, 2010b: 752 (assigned to *forcepeta* species group). Brazil (V).
- Lachesilla pedicularia** (Linnaeus). Denmark, Finland, Norway, Sweden (I): Svensson & Hall, 2010. Germany (I): Dorow & Blick, 2010b. Hungary (I): Sziraki, 2006b. Romania (I): Sziraki, 2006a. Chrom.: Golub & Nokkala, 2009. Pest: Ahmedani *et al.*, 2010.
- Lachesilla pilosiforceps*** Garcia Aldrete, 2010b: 753 (assigned to *forcepeta* species group). Brazil (V).
- Lachesilla pilosipenna*** Garcia Aldrete, 2010b: 753 (assigned to *forcepeta* species group). Peru (V).
- Lachesilla quercus** (Kolbe). Denmark, Finland, Norway, Sweden (I): Svensson & Hall, 2010. Germany (I): Dorow & Blick, 2010b. Hungary (I): Sziraki, 2006b. Morocco (I): Arahou, 2008. Chrom.: Golub & Nokkala, 2009.
- Lachesilla rena** Sommerman. Hispaniola (IV): Perez-Gelabert, 2008.
- Lachesilla riegei** Sommerman. Hispaniola (IV): Perez-Gelabert, 2008.
- Lachesilla sandersoni** Mockford. Hispaniola (IV): Perez-Gelabert, 2008.
- Lachesilla squamiforceps*** Garcia Aldrete, 2010b: 754 (assigned to *forcepeta* species group). Colombia (V).
- Lachesilla tanaidana** Roesler. Chrom.: Golub & Nokkala, 2009.
- Lachesilla tectorum** Badonnel. Hispaniola (IV): Perez-Gelabert, 2008. Distr.: Schneider, 2010a (species alien to Europe).
- Lachesilla texana*** Mockford & Garcia Aldrete, 2010a: 50 (assigned to *andra* species group). Mexico (IV), USA (III).
- Lachesilla williamsi*** Garcia Aldrete, 2010a: 310 (assigned to *pedicularia* species group). Peru (V).
- Nanolachesilla haitiana** Mockford & Sullivan. Hispaniola (IV): Perez-Gelabert, 2008.

Ectopsocidae

- Ectopsocopsis cryptomeriae** (Enderlein). Norway (I): Svensson & Hall, 2010. Chrom.: Golub & Nokkala, 2009. Distr.: Schneider, 2010a (species alien to Europe).
- Ectopsocus axillaris** (Smithers). Distr.: Schneider, 2010a (species alien to Europe).
- Ectopsocus** spec. Australia (IX): Juniper & Britton, 2010 (ecol.).
- Ectopsocus briggsi** McLachlan. Denmark, Finland, Norway, Sweden (I): Svensson & Hall, 2010. Germany (I): Dorow & Blick, 2010b. Hungary (I): Sziraki, 2006b. Chrom.: Golub & Nokkala, 2009. Distr.: Schneider, 2010a (species alien to Europe).
- Ectopsocus maindroni** Badonnel. Czech Republic (I): Kucerova & Lienhard, 2010 (domestic). Chrom.: Golub & Nokkala, 2009. Distr.: Schneider, 2010a (species alien to Europe).
- Ectopsocus meridionalis** Ribaga. Hungary (I): Sziraki, 2006b, 2009. Chrom.: Golub & Nokkala, 2009. Distr.: Schneider, 2010a (species alien to Europe).
- Ectopsocus petersi** Smithers. Belgium, Luxembourg (I): Schneider, 2010b. Denmark, Norway, Sweden (I): Svensson & Hall, 2010.
- Ectopsocus pumilis** (Banks). Distr.: Schneider, 2010a (species alien to Europe).
- Ectopsocus richardsi** (Pearman). Distr.: Schneider, 2010a (species alien to Europe).
- Ectopsocus rileyae** Schmidt & Thornton. Distr.: Schneider, 2010a (species alien to Europe).
- Ectopsocus strauchi** Enderlein. Distr.: Schneider, 2010a (species alien to Europe).
- Ectopsocus titschacki** Jentsch. Distr.: Schneider, 2010a (species alien to Europe).
- Ectopsocus vachoni** Badonnel. Distr.: Schneider, 2010a (species alien in parts of Europe).

Peripsocidae

- Diplopsocus fasciatus** (Thornton). Chrom.: Golub & Nokkala, 2009.

Peripsocus spec. Chrom.: Golub & Nokkala, 2009.
Peripsocus alboguttatus (Dalman). Denmark, Finland, Norway, Sweden (I): Svensson & Hall, 2010. Hungary (I): Sziraki, 2006b, 2009. Chrom.: Golub & Nokkala, 2009.
Peripsocus bivari Baz. Distr.: Schneider, 2010a (species alien to Europe).
Peripsocus consobrinus Pearman. Finland (I): Svensson & Hall, 2010.
Peripsocus didymus Roesler. Denmark, Finland, Norway, Sweden (I): Svensson & Hall, 2010. Hungary (I): Sziraki, 2006b. Romania (I): Sziraki, 2006a.
Peripsocus golubae Lienhard, 2006. Russia (I): Golub & Nokkala, 2009 (testis structure). Chrom.: Golub & Nokkala, 2009.
Peripsocus milleri (Tillyard). Great Britain (I): Saville, 2010b. Distr.: Schneider, 2010a (species alien to Europe).
Peripsocus parvulus Kolbe. Denmark, Finland, Sweden (I): Svensson & Hall, 2010. Germany (I): Dorow & Blick, 2010b. Chrom.: Golub & Nokkala, 2009. Distr.: Schneider, 2010a (species alien in parts of Europe).
Peripsocus phaeopterus (Stephens). Denmark, Finland, Norway, Sweden (I): Svensson & Hall, 2010. Hungary (I): Sziraki, 2006b. Romania (I): Sziraki, 2006a. Chrom.: Golub & Nokkala, 2009.
Peripsocus quercicola Enderlein. Chrom.: Golub & Nokkala, 2009.
Peripsocus subfasciatus (Rambur). Denmark, Finland, Norway, Sweden (I): Svensson & Hall, 2010. Hungary (I): Sziraki, 2006b. Romania (I): Sziraki, 2006a. Chrom.: Golub & Nokkala, 2009.

Trichopsocidae

Trichopsocus brincki Badonnel. Chrom.: Golub & Nokkala, 2009.
Trichopsocus clarus (Banks). Denmark, Finland, Sweden (I): Svensson & Hall, 2010. Chrom.: Golub & Nokkala, 2009. Distr.: Schneider, 2010a (species alien in parts of Europe).
Trichopsocus dalii (McLachlan). Denmark, Sweden (I): Svensson & Hall, 2010. Russia (I): Golub & Nokkala, 2009 (testis structure). Chrom.: Golub & Nokkala, 2009. Distr.: Schneider, 2010a (species alien in parts of Europe).

Archipsocidae

Archipsocus spec. Hispaniola (IV) in Dominican amber (A): Perez-Gelabert, 2008. Chrom.: Golub & Nokkala, 2009.

Pseudocaeciliidae

Phallocaecilius hirsutus (Thornton). Chrom.: Golub & Nokkala, 2009.
Pseudocaecilius maculosus Enderlein. Chrom.: Golub & Nokkala, 2009.

Philotarsidae

Aaroniella spec. Hispaniola (IV) in Dominican amber (A): Perez-Gelabert, 2008.
Aaroniella achrysa (Banks). Hispaniola (IV): Perez-Gelabert, 2008.
Aaroniella badonneli (Danks). Chrom.: Golub & Nokkala, 2009.
Garcialdretia dardana (Banks). Hispaniola (IV): Perez-Gelabert, 2008.
Haplophallus orientalis Thornton. Chrom.: Golub & Nokkala, 2009.
Philotarsus parviceps Roesler. Denmark, Finland, Norway, Sweden (I): Svensson & Hall, 2010. Hungary (I): Sziraki, 2006b, 2009. Romania (I): Sziraki, 2006a.
Philotarsus picicornis (Fabricius). Denmark, Finland, Norway, Sweden (I): Svensson & Hall, 2010. Hungary (I): Sziraki, 2006b. Romania (I): Sziraki, 2006a. Chrom.: Golub & Nokkala, 2009.

Elipsocidae

Cuneopalpus cyanops (Rostock). Denmark, Finland, Norway, Sweden (I): Svensson & Hall, 2010. Germany (I): Dorow & Blick, 2010b.
Elipsocus abdominalis Reuter. Denmark, Finland, Norway, Sweden (I): Svensson & Hall, 2010. Germany (I): Dorow & Blick, 2010b. Chrom.: Golub & Nokkala, 2009.
Elipsocus annulatus Roesler. Romania (I): Sziraki, 2006a.
Elipsocus hyalinus (Stephens). Denmark, Finland, Iceland, Norway, Sweden (I): Svensson & Hall, 2010. Germany (I): Dorow & Blick, 2010b.
Elipsocus modestus Banks. Hispaniola (IV): Perez-Gelabert, 2008.
Elipsocus moebiusi Tetens. Denmark, Finland, Norway, Sweden (I): Svensson & Hall, 2010. Finland, Russia (I): Golub & Nokkala, 2009. Germany (I): Dorow & Blick, 2010b. Hungary (I): Sziraki, 2009. Chrom.: Golub & Nokkala, 2009.

Elipsocus pumilis (Hagen). Denmark, Finland, Norway, Sweden (I): Svensson & Hall, 2010. Chrom.: Golub & Nokkala, 2009.

Elipsocus nuptialis Roesler. Germany (I): Dorow & Blick, 2010b.

Hemineura dispar Tetens. Denmark, Finland, Sweden (I): Svensson & Hall, 2010. Finland (I): Golub & Nokkala, 2009 (testis structure). Chrom.: Golub & Nokkala, 2009.

Protopsocus pulchripennis (Perkins). Great Britain (I): Saville, 2010b. Distr.: Schneider, 2010a (species alien to Europe).

Pseudopsocus fusciceps (Reuter). Finland, Norway, Sweden (I): Svensson & Hall, 2010. Germany (I): Dorow & Blick, 2010a, 2010b.

Pseudopsocus rostocki Kolbe. Denmark, Sweden (I): Svensson & Hall, 2010. Great Britain (I): Saville, 2010b.

Reuterella helvimacula (Enderlein). Finland, Norway, Sweden (I): Svensson & Hall, 2010. Germany (I): Dorow & Blick, 2010b. Great Britain (I): Saville, 2010b. Chrom.: Golub & Nokkala, 2009.

Mesopsocidae

Mesopsocus atlasicus Badonnel. Morocco (I): Arahou, 2008.

Mesopsocus fuscifrons Meinander. Sweden (I): Svensson & Hall, 2010.

Mesopsocus helveticus Lienhard. Finland, Norway, Sweden (I): Svensson & Hall, 2010.

Mesopsocus hongkongensis Thornton. Chrom.: Golub & Nokkala, 2009.

Mesopsocus immunis (Stephens). Denmark, Norway, Sweden (I): Svensson & Hall, 2010. Hungary (I): Sziraki, 2006b.

Mesopsocus laticeps (Kolbe). Denmark, Finland, Norway, Sweden (I): Svensson & Hall, 2010. Germany (I): Dorow & Blick, 2010b. Hungary (I): Sziraki, 2009. Chrom.: Golub & Nokkala, 2009.

Mesopsocus unipunctatus (Müller). Denmark, Finland, Iceland, Norway, Sweden (I): Svensson & Hall, 2010. Germany (I): Dorow & Blick, 2010b. Romania (I): Sziraki, 2006a. Chrom.: Golub & Nokkala, 2009.

Hemipsocidae

Hemipsocus spec. Hispaniola (IV) in Dominican amber (A): Perez-Gelabert, 2008. Chrom.: Golub & Nokkala, 2009.

Psocidae

Amphigerontiinae

Checklist of Amphigerontiinae species from Sumatra: Endang Sri Kentjonowati & New, 2010c: 27.

Key to genera and species of Japanese Amphigerontiinae: Yoshizawa, 2010c: 13.

Tribes Amphigerontiini and Blastini not supported by genitalic characters: Yoshizawa, 2010c: 31.

Amphigerontia spec. Morocco (I): Arahou, 2008.

Amphigerontia bifasciata (Latreille). Denmark, Finland, Norway, Sweden (I): Svensson & Hall, 2010. Romania (I): Sziraki, 2006a. Chrom.: Golub & Nokkala, 2009.

Amphigerontia contaminata (Stephens). Denmark, Finland, Norway, Sweden (I): Svensson & Hall, 2010. Finland (I): Golub & Nokkala, 2009 (testis structure). Germany (I): Dorow & Blick, 2010b. Romania (I): Sziraki, 2006a. Japan (VIII): Yoshizawa, 2010c. Chrom.: Golub & Nokkala, 2009.

Amphigerontia intermedia (Tetens). Finland, Sweden (I): Svensson & Hall, 2010. Hungary (I): Sziraki, 2006b.

Amphigerontia jezoensis Okamoto. Japan (VIII): Yoshizawa, 2010c. Chrom.: Golub & Nokkala, 2009.

Anomaloblaste Endang Sri Kentjonowati, Thornton & New, 2002. Revised diagnosis: Endang Sri Kentjonowati & New, 2010c: 12.

Metagerontia Li Fasheng, 2002a. **Synonymy:** Yoshizawa, 2010c: 17.

Anomaloblaste spinivalva Endang Sri Kentjonowati, Thornton & New, 2002. Indonesia (VIII): Endang Sri Kentjonowati & New, 2010c.

*Anomaloblaste sudaryantoi** Endang Sri Kentjonowati & New, 2010c: 13. Indonesia (VIII).

Anomaloblaste treubia Endang Sri Kentjonowati, Thornton & New, 2002. Indonesia (VIII): Endang Sri Kentjonowati & New, 2010c.

Anomaloblaste tribulosa (Li Fasheng, 2002). Yoshizawa, 2010c: 18 (**from** *Metagerontia*; further description). China, Japan (VIII).

Blaste spec. Hispaniola (IV) in Dominican amber (A): Perez-Gelabert, 2008.

Blaste conspurcata (Rambur). Denmark, Finland, Norway, Sweden (I): Svensson & Hall, 2010. Hungary (I): Sziraki, 2006b. Chrom.: Golub & Nokkala, 2009.

*Blaste jambiensis** Endang Sri Kentjonowati & New, 2010c: 22 (species name misspelled *jambiense*). Indonesia (VIII).

Blaste quadrimaculata (Latreille). Great Britain (I): Saville, 2010b. Hungary (I): Sziraki, 2006b, 2009.

Blastopsocus spec. Hispaniola (IV) in Dominican amber (A): Perez-Gelabert, 2008.

*Glossoblaste*** Yoshizawa, 2010c: 15. Gender: F. Type species: *Glossoblaste amamiensis* Yoshizawa.

*Glossoblaste amamiensis** Yoshizawa, 2010c: 16. Japan (VIII).

Indoblaste lienhardi Endang Sri Kentjonowati & Thornton. Indonesia (VIII): Endang Sri Kentjonowati & New, 2010c.

Javablaste Endang Sri Kentjonowati, Thornton & New, 2002. Generic diagnosis, key to Indonesian species: Endang Sri Kentjonowati & New, 2010c: 14.

*Javablaste darmayasai** Endang Sri Kentjonowati & New, 2010c: 20. Indonesia (VIII).

*Javablaste junithai** Endang Sri Kentjonowati & New, 2010c: 15. Indonesia (VIII).

*Javablaste ramonai** Endang Sri Kentjonowati & New, 2010c: 17. Indonesia (VIII).

Kaindipsocus splendidus Lienhard, 2008. Indonesia (VIII): Endang Sri Kentjonowati & New, 2010c.

Neoblaste Thornton. Key to Indonesian species of *Neoblaste*: Endang Sri Kentjonowati & New, 2010c: 2.

*Neoblaste cochleata** Endang Sri Kentjonowati & New, 2010c: 4. Indonesia (VIII).

Neoblaste complexa Endang Sri Kentjonowati, Thornton & New, 2002. Indonesia (VIII): Endang Sri Kentjonowati & New, 2010c.

Neoblaste cubitalis (Enderlein). Indonesia (VIII): Endang Sri Kentjonowati & New, 2010c.

Neoblaste javensis Endang Sri Kentjonowati, Thornton & New, 2002. Indonesia (VIII): Endang Sri Kentjonowati & New, 2010c.

*Neoblaste ketambiensis** Endang Sri Kentjonowati & New, 2010c: 8 (species name misspelled *ketambiense*). Indonesia (VIII).

Neoblaste papillosa Thornton. Japan (VIII): Yoshizawa, 2010c (species name misspelled: *papillosus*).
Psocus obtusus Hagen. Okamoto, 1906: 198; Okamoto, 1907: 129.
 [Not *Psocus obtusus* Hagen, 1858].
Blaste obtusa (Hagen). Tomita & Haga, 1991.
Neoblaste cubitalis (Enderlein). Yoshizawa, 2008: 33.
 [Not *Neoblaste cubitalis* (Enderlein, 1919)].

*Neoblaste piscata** Endang Sri Kentjonowati & New, 2010c: 8. Indonesia (VIII).

Neoblaste tateokana (Okamoto). Japan (VIII): Yoshizawa, 2010c.

*Neoblaste torquata** Endang Sri Kentjonowati & New, 2010c: 5. Indonesia (VIII).

Neopsocopsis Badonnel, 1936.
Pentablaste Li Fasheng, 2002a. **Synonymy**: Yoshizawa, 2010c: 24.

Neopsocopsis auctachila (Li Fasheng, 2002a). Yoshizawa, 2010c: 35 (**from** *Pentablaste*).

Neopsocopsis clavata (Li Fasheng, 2002a). Yoshizawa, 2010c: 35 (**from** *Pentablaste*).

Neopsocopsis flavae (Li Fasheng). Yoshizawa, 2010c: 35 (**from** *Pentablaste*).

Neopsocopsis flavida (Li Fasheng). Yoshizawa, 2010c: 35 (**from** *Pentablaste*).

Neopsocopsis hirticornis (Reuter). Finland, Sweden (I): Svensson & Hall, 2010. Russia (VIII): Golub & Nokkala, 2009 (testis structure). Chrom.: Golub & Nokkala, 2009.

Neopsocopsis jinxiuica (Li Fasheng, 2002a). Yoshizawa, 2010c: 35 (**from** *Pentablaste*).

Neopsocopsis lanceolata (Li Fasheng, 2002a). Yoshizawa, 2010c: 35 (**from** *Pentablaste*).

Neopsocopsis longicaudata (Li Fasheng, 2002a). Yoshizawa, 2010c: 35 (**from** *Pentablaste*).

Neopsocopsis longiptera Vishnyakova. Japan (VIII): Yoshizawa, 2010c.

Neopsocopsis lushanensis (Li Fasheng, 2002a). Yoshizawa, 2010c: 35 (**from** *Pentablaste*).

Neopsocopsis minuscula (Li Fasheng, 2002a). Yoshizawa, 2010c: 35 (**from** *Pentablaste*).

Neopsocopsis obconica (Li Fasheng, 2002a). Yoshizawa, 2010c: 25 and 35 (**from** *Pentablaste*).

Neopsocopsis pentasticha (Li Fasheng, 2002a). Yoshizawa, 2010c: 35 (**from** *Pentablaste*).

Neopsocopsis pini (Li Fasheng). Yoshizawa, 2010c: 35 (**from** *Pentablaste*).

Neopsocopsis profunda (Li Fasheng). Yoshizawa, 2010c: 35 (**from** *Pentablaste*).

Neopsocopsis quinquedentata (Li Fasheng & Yang Chikun). Yoshizawa, 2010c: 36 (**from** *Pentablaste*).

*Neopsocopsis sakishimensis** Yoshizawa, 2010c: 25. Japan (VIII).

Neopsocopsis schizopetala (Li Fasheng). Yoshizawa, 2010c: 36 (**from** *Pentablaste*).

Neopsocopsis tetraedrica (Li Fasheng, 2002a). Yoshizawa, 2010c: 36 (**from** *Pentablaste*).

Psocinae

Atlantopsocus adustus (Hagen). Chrom.: Golub & Nokkala, 2009.

Atrichadenotecnum nebulosum (Vaughan, Thornton & New). Indonesia (VIII): Endang Sri Kentjonowati & New, 2010b.

Atrichadenotecnum nudum (Thornton). Chrom.: Golub & Nokkala, 2009.

Atrichadenotecnum umbratum (New & Thornton). Indonesia (VIII): Endang Sri Kentjonowati & New, 2010b.

Brachinodiscus cf. *lepidus* (Banks). Chrom.: Golub & Nokkala, 2009.

Cerastipsocus fuscipennis (Burmeister). Chrom.: Golub & Nokkala, 2009.

Cerastipsocus venosus (Burmeister). Chrom.: Golub & Nokkala, 2009.

Clematoscenea lemniscata (Enderlein). Indonesia (VIII): Endang Sri Kentjonowati & New, 2010a.

*Clematoscenea smithersi** Endang Sri Kentjonowati & New, 2010a: 44. Indonesia (VIII).

Clematostigma sasmoko Endang Sri Kentjonowati, Thornton & New, 2002. Indonesia (VIII): Endang Sri Kentjonowati & New, 2010b.

Hyalopsocus contrarius (Reuter). Finland, Sweden (I): Svensson & Hall, 2010. Chrom.: Golub & Nokkala, 2009.

Hyalopsocus morio (Latreille). Great Britain (I): Saville, 2010b; Scott-Langley, 2010. Sweden (I): Svensson & Hall, 2010.

Indiopsochus spec. Hispaniola (IV) in Dominican amber (A): Perez-Gelabert, 2008.

Javapsocus spec. Indonesia (VIII): Endang Sri Kentjonowati & New, 2010b (unassigned females).

Javapsocus soegiri Endang Sri Kentjonowati, Thornton & New, 2002. Indonesia (VIII): Endang Sri Kentjonowati & New, 2010b.

Javapsocus ungulatus Endang Sri Kentjonowati, Thornton & New, 2002. Indonesia (VIII): Endang Sri Kentjonowati & New, 2010b.

Loensia fasciata (Fabricius). Denmark, Finland, Norway, Sweden (I): Svensson & Hall, 2010. Germany (I): Dorow & Blick, 2010b.

Loensia moesta (Hagen). Chrom.: Golub & Nokkala, 2009.

Loensia pearmani Kimmins. Denmark, Finland, Norway, Sweden (I): Svensson & Hall, 2010. Chrom.: Golub & Nokkala, 2009.

Loensia variegata (Latreille). Denmark, Finland, Norway, Sweden (I): Svensson & Hall, 2010. Germany (I): Dorow & Blick, 2010b. Biol.: Saville, 2010a (feeding and egg-laying preferences). Chrom.: Golub & Nokkala, 2009.

Mecampsis insolita (Banks). Hispaniola (IV): Perez-Gelabert, 2008.

Mecampsis laconia (Banks). Hispaniola (IV): Perez-Gelabert, 2008.

Metylophorus nebulosus (Stephens). Denmark, Finland, Norway, Sweden (I): Svensson & Hall, 2010. Hungary (I): Sziraki, 2006b. Romania (I): Sziraki, 2006a. Chrom.: Golub & Nokkala, 2009.

Psocidus apertus Thornton. Indonesia (VIII): Endang Sri Kentjonowati & New, 2010b.

Psocidus flavonimbatus (Rostock). Finland (I): Svensson & Hall, 2010.

Psocidus murphyi New. Indonesia (VIII): Endang Sri Kentjonowati & New, 2010b.

Psocidus strictus Thornton. Indonesia (VIII): Endang Sri Kentjonowati & New, 2010b.

Psocidus validus Thornton. Indonesia (VIII): Endang Sri Kentjonowati & New, 2010b.

Psococerastis gibbosa (Sulzer). Denmark, Finland, Norway, Sweden (I): Svensson & Hall, 2010. Germany (I): Dorow & Blick, 2010b. Hungary (I): Sziraki, 2006b. Romania (I): Sziraki, 2006a. Chrom.: Golub & Nokkala, 2009.

Psococerastis opulenta (Navas). Chrom.: Golub & Nokkala, 2009.

Psococerastis sinensis Thornton. Chrom.: Golub & Nokkala, 2009.

Psocus bipunctatus (Linnaeus). Denmark, Finland, Norway, Sweden (I): Svensson & Hall, 2010. Germany (I): Dorow & Blick, 2010a, 2010b.

Psocus cyllarus Banks. Hispaniola (IV): Perez-Gelabert, 2008.

Psocus leidy Aaron. Chrom.: Golub & Nokkala, 2009.

Psocus oneitus Banks. Hispaniola (IV): Perez-Gelabert, 2008.

Ptycta spec. Hispaniola (IV) in Dominican amber (A): Perez-Gelabert, 2008.

Ptycta incurvata Thornton. Chrom.: Golub & Nokkala, 2009.

Ptycta merapiensis Endang Sri Kentjonowati, Thornton & New, 2002. Indonesia (VIII): Endang Sri Kentjonowati & New, 2010b.

Ptycta reticulata New. Chrom.: Golub & Nokkala, 2009.

Ptycta serrata Endang Sri Kentjonowati, Thornton & New, 2002. Indonesia (VIII): Endang Sri Kentjonowati & New, 2010b.

Ptycta tsutsumii New & Thornton. Indonesia (VIII): Endang Sri Kentjonowati & New, 2010b.

Setopsocus Smithers & Thornton. Key to species of *Setopsocus*: Endang Sri Kentjonowati & New, 2010a: 46.

*Setopsocus clematoscenoides** Endang Sri Kentjonowati & New, 2010a: 48. Indonesia (VIII).

Setopsocus hirsutus (New). Indonesia (VIII): Endang Sri Kentjonowati & New, 2010a.

*Setopsocus leuserensis** Endang Sri Kentjonowati & New, 2010a: 48. Indonesia (VIII).
Sigmatoneura kolbei (Enderlein). Chrom.: Golub & Nokkala, 2009.
Trichadenotecnum Enderlein. Phylogeny of species groups discussed, revised definition of *roesleri* group, key to species of *roesleri* group: Yoshizawa & Garcia Aldrete, 2010. Techniques: Yoshizawa, 2010b (direct optimization criterion, *Trichadenotecnum* spp. used as examples).
Trichadenotecnum spec. Hispaniola (IV) in Dominican amber (A): Perez-Gelabert, 2008.
Trichadenotecnum germanicum Roesler. Finland, Sweden (I): Svensson & Hall, 2010.
Trichadenotecnum incognitum Roesler. Finland (I): Svensson & Hall, 2010.
Trichadenotecnum innuptum Betz. Distr.: Schneider, 2010a (species alien to Europe).
Trichadenotecnum majus (Kolbe). Denmark, Finland, Norway, Sweden (I): Svensson & Hall, 2010. Germany (I): Dorow & Blick, 2010b. Hungary (I): Sziraki, 2006b, 2009. Romania (I): Sziraki, 2006a. Chrom.: Golub & Nokkala, 2009.
Trichadenotecnum medium Thornton. Chrom.: Golub & Nokkala, 2009.
Trichadenotecnum sexpunctatum (Linnaeus). Denmark, Finland, Norway, Sweden (I): Svensson & Hall, 2010. Germany (I): Dorow & Blick, 2010b. Hungary (I): Sziraki, 2006b. Biol.: Saville, 2010a (feeding preferences). Chrom.: Golub & Nokkala, 2009.
*Trichadenotecnum shawi** Yoshizawa & Garcia Aldrete, 2010: 62 (assigned to *roesleri* species group). Brazil (V).
Trichadenotecnum sinuatum New. Chrom.: Golub & Nokkala, 2009.

Myopsocidae

Lophopterygella haitiensis Banks. Hispaniola (IV): Perez-Gelabert, 2008.
Myopsocus antillanus (Mockford). Hispaniola (IV): Perez-Gelabert, 2008.
Myopsocus arthuri Nel, Waller & Poinar, 2006. Hispaniola (IV) in Dominican amber (A): Perez-Gelabert, 2008.
Myopsocus minutus (Mockford). Hispaniola (IV): Perez-Gelabert, 2008.
Myopsocus taurus Banks. Hispaniola (IV): Perez-Gelabert, 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 9 of the "Additions" (Psocid News, no. 4-12).

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 four authors which are usually only 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>

Ahmedani, M. S., Shagufta, N., Aslam, M. & Hussnain, S. A. 2010. Psocid: A new risk for global food security and safety. *Applied Entomology and Zoology* 45(1): 89-100.
Aminatou, B. A. 2010. See Opit *et al.* 2010b.
Arahou, M. 2008. Catalogue de l'entomofaune du Chêne vert du Moyen Atlas (Maroc). *Documents de l'Institut Scientifique* (Rabat) 22: 1-36. (Psoc.: p. 23).
Arthur, F. H. 2009. See Athanassiou, C. G. *et al.* 2009c.
Arthur, F. H. 2009. See Athanassiou, C. G. *et al.* 2009b.
Arthur, F. H. 2010. See Athanassiou, C. G. *et al.* 2010c.
Aslam, M. 2010. See Ahmedani, M. S. *et al.* 2010.
Athanassiou, C. G., Arthur, F. H. & Throne, J. E. 2009. Efficacy of grain protectants against four psocid species on maize, rice and wheat. *Pest Management Science* 65: 1140-1146. (=Athanassiou *et al.* 2009b).
Athanassiou, C. G., Arthur, F. H. & Throne, J. E. 2009. Efficacy of spinosad in layer-treated wheat against five stored-product insect species. *Journal of Stored Products Research* 45: 236-240. (=Athanassiou *et al.* 2009c).

- Athanassiou, C. G. *et al.* 2010. Efficacy of insecticides for control of stored-product psocids. *In*: Carvalho, M. O. *et al.* (eds.). Proceedings of the 10th International Working Conference on Stored Product Protection, 27 June to 2 July 2010, Estoril, Portugal. *Julius-Kühn-Archiv* 425(2): 804-814. (=Athanassiou *et al.* 2010a).
- Athanassiou, C. G., Opit, G. P. & Throne, J. E. 2010. Influence of commodity type, percentage of cracked kernels, and wheat class on population growth of stored-product psocids (Psocoptera: Liposcelidae). *Journal of Economic Entomology* 103: 985-990. (=Athanassiou *et al.* 2010b).
- Athanassiou, C. G., Arthur, F. H. & Throne, J. E. 2010. Effects of short exposures to spinosad-treated wheat or maize on four stored-grain insects. *Journal of Economic Entomology* 103: 197-202. (=Athanassiou *et al.* 2010c). **(Only abstract seen)**.
- Azar, D., Nel, A. & Waller, A. 2009. Two new Ptiloneuridae from Colombian copal (Psocodea: Psocomorpha). *Denisia* 26: 21-28, 22 figs. (=Azar *et al.* 2009c).
- Azar, D., Engel, M. S. & Grimaldi, D. A. 2010. A new genus of sphaeropsocid bark lice from the Early Cretaceous amber of Lebanon (Psocodea: Sphaeropsocidae). *Annales de la Société entomologique de France* (N. S.) 46(1-2): 103-107, 2 figs. (=Azar *et al.* 2010a).
- Azar, D., Nel, A. & Petrulovicus, J. F. 2010. First Psocodean (Psocodea, Empheriidae) from the Cretaceous Amber of New Jersey. *Acta Geologica Sinica (English edition)* 84(4): 762-767, 2 plates. (=Azar *et al.* 2010b).
- Barros, Y. J. *et al.* 2010. Soil quality indicators in lead mining and metallurgy area. II. Mesofauna and plants. *Revista Brasileira de Ciencia do Solo* 34(4): 1413-1426. (In Portuguese). **(Only abstract seen)**.
- Baz, A. 2008b. Bark-lice, book-lice or psocids (Psocoptera) (pp. 381-399, 20 figs in text, 1 fig. on plate 6). *In*: Capinera, J. L. (ed.). Encyclopedia of Entomology. 2nd edition. Volume 1 (A-C). Springer, lxiii +1143 pp., 32 colour plates. NOTE: Colour photograph of Psocidae (Plate 6d) erroneously assigned to Archipsocidae in legend.
- Behar, A., McCormick, L. J. & Perlman, S. J. 2010. *Rickettsia felis* infection in a common household insect pest, *Liposcelis bostrychophila* (Psocoptera: Liposcelidae). *Applied and Environmental Microbiology* 76(7): 2280-2285.
- Bess, E. & Johnson, K. 2010. The Psocodea species file (p. 1). *In*: Yoshizawa, K. (ed.). Psocid News. The Psocidologists' Newsletter. No. 12 (February 28, 2010). *Systematic Entomology, Faculty of Agriculture, Hokkaido University, Sapporo*, 18 pp.
- Britton, D. R. 2010. See Juniper, P. A. & Britton, D. R. 2010.
- Bruschi, E. 2010. See Savoldelli, S. & Bruschi, E. 2010.
- Capinera, J. L. 2008. See Baz, A. 2008b.
- Carlton, C. E. 2010. See Sokolova Y. Y. *et al.* 2010.
- Carmo, T. O. do 2010. See Lienhard, C. *et al.* 2010b.
- Carvalho, M. O. (ed.) 2010. See Athanassiou *et al.*, 2010a; Ceruti & Lazzari, 2010; Deng *et al.*, 2010; Dou *et al.*, 2010; Lazzari *et al.*, 2010; Li *et al.*, 2010; Opit *et al.*, 2010b.; Savoldelli & Bruschi, 2010; Thorne, 2010; Wang *et al.*, 2010.
- Castano, G. 2010. See Cutz, L. Q. *et al.* 2010.
- Castro, M. C. M. de, 2007. Revisao taxonomica e filogenia do genero *Loneura* Navas, 1927 (Psocoptera: Ptiloneuridae). *M. Sc. thesis, INPA/UFAM, Manaus, Brasil*. (Unpublished). (Quoted by Azar *et al.*, 2009c). **(Not seen)**.
- Ceruti, F. C. & Lazzari, S. M. N. 2010. Molecular markers for Psocoptera species identification. *In*: Carvalho, M. O. *et al.* (eds.). Proceedings of the 10th International Working Conference on Stored Product Protection, 27 June to 2 July 2010, Estoril, Portugal. *Julius-Kühn-Archiv* 425(1): 90.
- Chin, H. C. 2010. See Heo Chong Chin *et al.* 2010.
- Collins, C. T. 2010. See Garcia-del-Rey, E. *et al.* 2010.
- Cutz, L. Q., Garcia, A., Castano, G. & Palacios, J. G. 2010. Invertebrate diversity from corticolous moss in the Iztaccihuatl Volcano region, Mexico State. *Revista Colombiana de Entomologia* 36(1): 90-95. (In Spanish). **(Only abstract seen)**.
- Deng, Y.-X. *et al.* 2010. Fumigation activities of ethyl formate on different strains of *Liposcelis bostrychophila*. *In*: Carvalho, M. O. *et al.* (eds.). Proceedings of the 10th International Working Conference on Stored Product Protection, 27 June to 2 July 2010, Estoril, Portugal. *Julius-Kühn-Archiv* 425(1): 459-463.
- Dorow, W. H. O. & Blick, T. 2010a. Weitere Tiergruppen im Naturwaldreservat Goldbachs- und Ziebachsrück (Hessen). Untersuchungszeitraum 1994-1996. *In*: Dorow, W. H. O., Blick, T. & Kopelke, J.-P. Naturwaldreservate in Hessen. Band 11/2.2. Goldbachs- und Ziebachsrück. Zoologische Untersuchungen 1994-1996, Teil 2. *Mitteilungen der Hessischen Landesforstverwaltung* 46: 219-235.
- Dorow, W. H. O. & Blick, T. 2010b. Gesamtübersicht über die Gebietsfauna und ihre Bedeutung für den

- Naturschutz. Naturwaldreservat Goldbachs- und Ziebachsrück (Hessen). Untersuchungszeitraum 1994-1996. In: Dorow, W. H. O., Blick, T. & Kopelke, J.-P. Naturwaldreservate in Hessen. Band 11/2.2. Goldbachs- und Ziebachsrück. Zoologische Untersuchungen 1994-1996, Teil 2. *Mitteilungen der Hessischen Landesforstverwaltung* 46: 237-270.
- Dou Wei 2010. See Xiao Li-Sha *et al.* 2010.
- Dou, W. *et al.* 2010a. Partial characterization of glutathione S-transferases from different field populations of *Liposcelis bostrychophila*. In: Carvalho, M. O. *et al.* (eds.). Proceedings of the 10th International Working Conference on Stored Product Protection, 27 June to 2 July 2010, Estoril, Portugal. *Julius-Kühn-Archiv* 425(1): 202-206.
- Dou, W. *et al.* 2010b. Characterization of the purified glutathione S-transferases from two psocids *Liposcelis bostrychophila* and *L. entomophila*. *Agricultural Sciences in China* 9(7): 1008-1016. **(Only abstract seen)**.
- Drake, B. 2010. See Stiling, P. *et al.* 2010.
- Dutto, M. 2008. Liposcelidi: nuove segnalazioni di infestazioni (Psocoptera: Liposcelidae). *Rivista Piemontese di Storia Naturale* 29: 169-170.
- Endang Sri Kentjowati & New, T. R. 2010a. The genera *Clematoscenea* and *Setopsocus* (Psocoptera: Psocidae) in Sumatra, Indonesia. *Zootaxa* 2431: 43-50, 16 figs.
- Endang Sri Kentjowati & New, T. R. 2010b. Records of Psocidae: Psocinae (Insecta: Psocoptera) from Sumatra, Indonesia. *Zootaxa* 2431: 62-68.
- Endang Sri Kentjowati & New, T. R. 2010c. The subfamily Amphigerontiinae (Insecta: Psocoptera: Psocidae) in Sumatra, Indonesia, with descriptions of nine new species. *Zootaxa* 2436: 1-27, 77 figs.
- Engel, M. S. 2010. See Azar, D. *et al.* 2010a.
- Ferreira, R. L. 2010. See Lienhard, C. *et al.* 2010b.
- FitzSimmons, N. N. 2010. See Mikac, K. M. & FitzSimmons, N. N. 2010.
- Forkner, R. 2010. See Stiling, P. *et al.* 2010.
- Garcia, A. 2010. See Cutz, L. Q. *et al.* 2010.
- Garcia Aldrete, A. N. 2009c. A new species of *Spurostigma* Eertmoed (Psocodea: 'Psocoptera': Spurostigmatidae), from Bolivia. *Dugesiana* 16(1): 15-17, 6 figs.
- Garcia Aldrete, A. N. 2009d. A new brachypterous *Mesepipsocus* (Psocodea: 'Psocoptera': Epipsocidae) from Bolivia. *Acta Zoologica Mexicana (n. s.)* 25(2): 383-386, 8 figs.
- Garcia Aldrete, A. N. 2010a. New *Lachesilla* (Psocodea: 'Psocoptera': Lachesillidae) from Peru and Mexico, based on males with one clunial apophysis. *Revista Mexicana de Biodiversidad* 81: 309-314, 14 figs.
- Garcia Aldrete, A. N. 2010b. Seven new species of *Lachesilla* (Psocodea: 'Psocoptera': Lachesillidae), in the group *forcepeta* from the Amazon Basin. *Acta Amazonica* 40(4): 749-756, 29 figs.
- Garcia Aldrete, A. N. 2010. See Mockford, E. L. & Garcia Aldrete, A. N. 2010a.
- Garcia Aldrete, A. N. 2010. See Mockford, E. L. & Garcia Aldrete, A. N. 2010b.
- Garcia Aldrete, A. N. 2010. See Yoshizawa, K. & Garcia Aldrete, A. N. 2010.
- Garcia-del-Rey, E., Collins, C. T. & Volpone, N. W. 2010. Food composition of the endemic Plain Swift *Apus unicolor* in the Canary Islands (Macaronesia). *Ardea* 98(2): 211-215. **(Only abstract seen)**.
- Gautam, S. G. 2010. See Opit, G. P. *et al.* 2010b.
- Gautam, S. G., Opit, G. P. & Giles, K. L. 2010. Population growth and development of the psocid *Liposcelis rufa* (Psocoptera: Liposcelididae) at constant temperatures and relative humidities. *Journal of Economic Entomology* 103: 1920-1928. **(Only abstract seen)**.
- Giles, K. L. 2010. See Gautam, S. G. *et al.* 2010.
- Golub, N. V. & Nokkala, S. 2009. Chromosome numbers in eight species of Palaearctic Psocoptera (Insecta). *Comparative Cytogenetics* 3(1): 33-41, 11 figs.
- Graffiti, G. 2010. See Lienhard, C. *et al.* 2010a.
- Grimaldi, D. A. 2010. See Azar, D. *et al.* 2010a.
- Hall, K. 2010. See Svensson, B. W. & Hall, K. 2010.
- He Ya-Qiang 2010. See Lu Jian-Hua & He Ya-Qiang 2010.
- Heo Chong Chin *et al.* 2010. First report of *Liposcelis bostrychophila* Badonnel (Psocoptera: Liposcelidae) as a museum insect pest in Malaysia. *Sains Malaysiana* 39(2): 329-331.
- Hollier, J. 2010. A louse by any other name. *Exmoor Naturalist* 36: 87-90.
- Holusa, O. 2010. See Lienhard, C. *et al.* 2010a.
- Huang Jian-Dong 2010. See Liu Ping-Juan *et al.* 2010.
- Hussnain, S. A. 2010. See Ahmedani, M. S. *et al.* 2010.
- Imamura, T. 2010. See Kageyama, D. *et al.* 2010.

- Jiang Hong-Bo *et al.* 2010a. Validation of endogenous reference genes for insecticide-induced and developmental expression profiling of *Liposcelis bostrychophila* (Psocoptera: Liposcelidae). *Molecular Biology Reports* 37(2): 1019-1029. **(Only abstract seen)**.
- Jiang Hong-Bo *et al.* 2010b. Molecular characterization of two novel deltamethrin-inducible P450 genes from *Liposcelis bostrychophila* Badonnel (Psocoptera: Liposcelidae). *Archives of Insect Biochemistry and Physiology* 74(1): 17-37. **(Only abstract seen)**.
- Johnson, K. 2010. See Bess, E. & Johnson, K. 2010.
- Johnson, K. P. 2010. See Yoshizawa, K. & Johnson, K. P. 2010.
- Juniper, P. A. & Britton, D. R. 2010. Insects associated with the fruit of *Syzygium paniculatum* (Magenta Lillypilly) and *Syzygium australe* (Brush Cherry). *Australian Journal of Entomology* 49: 296-303. (Psoc.: p. 303).
- Kageyama, D., Narita, S., Imamura, T. & Miyanoshita, A. 2010. Detection and identification of *Wolbachia* endosymbionts from laboratory stocks of stored-product insect pests and their parasitoids. *Journal of Stored Products Research* 46: 13-19.
- Kucerova, Z. & Lienhard, C. 2010. Faunistic records from the Czech Republic 299. Psocoptera. *Klapalekiana* 46: 225-226.
- Lazzari, S. M. N. 2010. See Ceruti, F. C. & Lazzari, S. M. N. 2010.
- Lazzari, S. M. N. *et al.* 2010. Intra and interspecific variation assessment in Psocoptera using near spectroscopy [sic!]. In: Carvalho, M. O. *et al.* (eds.). Proceedings of the 10th International Working Conference on Stored Product Protection, 27 June to 2 July 2010, Estoril, Portugal. *Julius-Kühn-Archiv* 425(1): 139-144.
- Li, Z.-H. *et al.* 2010. From RFLP, specific primer to DNA Barcoding: preliminary study on molecular identification of common stored product psocid. In: Carvalho, M. O. *et al.* (eds.). Proceedings of the 10th International Working Conference on Stored Product Protection, 27 June to 2 July 2010, Estoril, Portugal. *Julius-Kühn-Archiv* 425(1): 145-146.
- Lienhard, C. 2010. Additions and Corrections (Part 9) to Lienhard & Smithers, 2002: "Psocoptera (Insecta) - World Catalogue and Bibliography" (pp. 2-18). In: Yoshizawa, K. (ed.). Psocid News. The Psocidologists' Newsletter. No. 12 (February 28, 2010). *Systematic Entomology, Faculty of Agriculture, Hokkaido University, Sapporo*, 18 pp.
- Lienhard, C. 2010. See Kucerova, Z. & Lienhard, C. 2010.
- Lienhard, C. 2010. See Yoshizawa, K. & Lienhard, C. 2010.
- Lienhard, C., Holusa, O. & Grafitti, G. 2010. Two new cave-dwelling Prionoglarididae from Venezuela and Namibia (Psocodea: 'Psocoptera': Trogiomorpha). *Revue suisse de Zoologie* 117(2): 185-197, 5 figs. (= Lienhard *et al.* 2010a).
- Lienhard, C., Oliveira do Carmo, T. & Lopes Ferreira, R. 2010. A new genus of Sensitibillini from Brazilian caves (Psocodea: 'Psocoptera': Prionoglarididae). *Revue suisse de Zoologie* 117(4): 611-635, 11 figs. (= Lienhard *et al.* 2010b).
- Liu Ping-Juan, Huang Jian-Dong & Ren Dong 2010. Palaeoecology of the Middle Jurassic Yanliao entomofauna. *Acta Zootaxonomica Sinica* 35(3): 568-584. (Psoc.: pp. 570, 574). (In Chinese, with English summary).
- Lu Jian-Hua & He Ya-Qiang 2010. Fumigant toxicity of *Ailanthus altissima* Swingle, *Atractylodes lancea* (Thunb.) DC. and *Elsholtzia stauntonii* Benth extracts on three major stored-grain insects. *Industrial Crops and Products* 32(3): 681-683. **(Only abstract seen)**.
- Lu Jian-Hua & Wu Shu-Hui 2010. Bioactivity of essential oil from *Ailanthus altissima* bark against 4 major stored-grain insects. *African Journal of Microbiology Research* 4(3): 154-157. **(Only abstract seen)**.
- Mallis, R. E. & Rieske, L. K. 2010. Web orientation and prey resources for web-building spiders in eastern hemlock. *Environmental Entomology* 39(5): 1466-1472. **(Only abstract seen)**.
- McCormick, L. J. 2010. See Behar, A. *et al.* 2010.
- Mikac, K. M. & FitzSimmons, N. N. 2010. Genetic structure and dispersal patterns of the invasive psocid *Liposcelis decolor* (Pearman) in Australian grain storage systems. *Bulletin of Entomological Research* 100(5): 521-527. **(Only abstract seen)**.
- Miyanoshita, A. 2010. See Kageyama, D. *et al.* 2010.
- Mockford, E. L. & Garcia Aldrete, A. N. 2010a. A new species of *Lachesilla* Westwood (Psocoptera: Lachesillidae) in the *andra* group with a proposed classification of the *andra* group. *Zootaxa* 2335: 49-58, 21 figs.
- Mockford, E. L. & Garcia Aldrete, A. N. 2010b. *Psoquilla infusca* Badonnel (Psocoptera: Psoquillidae) in the Western Hemisphere with description of the male and brachypterous form. *Zootaxa* 2618: 61-68, 10 figs.
- Narita, S. 2010. See Kageyama, D. *et al.* 2010.

- Nayak, M. K. 2010. Potential of piperonyl butoxide-synergised pyrethrins against psocids (Psocoptera: Liposcelididae) for stored-grain protection. *Pest Management Science* 66(3): 295-300. **(Only abstract seen)**.
- Nel, A. 2009. See Azar, D. *et al.* 2009.
- Nel, A. 2010. See Azar, D. *et al.* 2010b.
- New, T. R. 2010. See Endang Sri Kentjonowati & New, T. R. 2010a.
- New, T. R. 2010. See Endang Sri Kentjonowati & New, T. R. 2010b.
- New, T. R. 2010. See Endang Sri Kentjonowati & New, T. R. 2010c.
- Nokkala, S. 2009. See Golub, N. V. & Nokkala, S. 2009.
- Opit, G. P. 2010. See Athanassiou *et al.* 2010b.
- Opit, G. P. 2010. See Gautam, S. G. *et al.* 2010.
- Opit, G. P., Throne, J. E. & Payton, M. E. 2010. Reproductive parameters of the parthenogenetic psocid *Lepinotus reticulatus* (Psocoptera: Trogiidae) at constant temperatures. *Environmental Entomology* 39: 1004-1011. (=Opit *et al.* 2010a).
- Opit, G. P., Gautam, S. G., Aminatou, B. A. & Throne, J. E. 2010. Ecological studies of the psocids *Liposcelis brunnea*, *L. rufa*, *L. pearmani*, and *Lepinotus reticulatus*. In: Carvalho, M. O. *et al.* (eds.). Proceedings of the 10th International Working Conference on Stored Product Protection, 27 June to 2 July 2010, Estoril, Portugal. *Julius-Kühn-Archiv* 425(1): 173-179. (=Opit *et al.* 2010b).
- Özdikmen, H. 2009. *Psocopsylla* nom. nov., a new name for the preoccupied psocid genus *Eopsylla* Vishniakova, 1976 (Psocodea: Psocidiidae). *Munis Entomology & Zoology* 4(2): 613.
- Özsisli, T. 2010. First record for Turkish fauna: *Liposcelis bostrychophila* Badonnel, 1931 (Psocoptera: Liposcelididae). *Türkiye Entomoloji Dergisi / Turkish Journal of Entomology* 34(3): 379-382, 1 fig.
- Palacios, J. G. 2010. See Cutz, L. Q. *et al.* 2010.
- Payton, M. E. 2010. See Opit *et al.* 2010a.
- Perez-Gelabert, D. E. 2008. Arthropods of Hispaniola (Dominican Republic and Haiti): A checklist and bibliography. *Zootaxa* 1831: 1-530. (Psoc.: pp. 293-296).
- Perlman, S. J. 2010. See Behar, A. *et al.* 2010.
- Petrulevicius, J. F. 2010. See Azar, D. *et al.* 2010b.
- Ren Dong 2010. See Liu Ping-Juan *et al.* 2010.
- Richardson, B. A. *et al.* 2010. A canopy trimming experiment in Puerto Rico: The response of litter invertebrate communities to canopy loss and debris deposition in a tropical forest subject to hurricanes. *Ecosystems* 13(2): 286-301. **(Only abstract seen)**.
- Rieske, L. K. 2010. See Mallis, R. E. & Rieske, L. K. 2010.
- Roques, A. (ed.) 2010. See Schneider, N. 2010a.
- Ruckdeschel, C. 2010. See Whitaker, J. O. & Ruckdeschel, C. 2010.
- Sabu, T. K. & Shiju, R. T. 2010. Efficacy of pifall trapping, Winkler and Berlese extraction methods for measuring ground-dwelling arthropods in moist-deciduous forests in the Western Ghats. *Journal of Insect Science* 10: Article no. 98. **(Only abstract seen)**.
- Saville, B. (=Bob). See Saville, R. E.
- Saville, R. E. 2010a. An initial study of the feeding and egg-laying preferences of bark dwelling psocids (Psocoptera) using composite bark blocks. *Entomologist's Record* 122: 35-42, 4 photographs.
- Saville, R. E. 2010b. Notable British barkfly (Psocoptera) observations in 2008 and 2009. *Entomologist's Record* 122: 170-172, 1 photograph.
- Savoldelli, S. & Bruschi, E. 2010. Arthropod monitoring in an automated pasta warehouse. In: Carvalho, M. O. *et al.* (eds.). Proceedings of the 10th International Working Conference on Stored Product Protection, 27 June to 2 July 2010, Estoril, Portugal. *Julius-Kühn-Archiv* 425(2): 993-998.
- Schneider, N. 2010a. Psocids (Psocoptera). Chapter 13.2. In: Roques, A. *et al.* (eds.). Alien terrestrial arthropods of Europe. *BioRisk* 4(2): 793-805.
- Schneider, N. 2010b. *Ectopsocus petersi* Smithers, 1978, psocoptère nouveau pour le Luxembourg (Insecta, Psocoptera, Ectopsocidae). *Bulletin de la Société des naturalistes luxembourgeois* 111: 113-114, 2 figs.
- Scott-Langley, D. 2010. *Hyalopsocus morio* (Psocoptera: Psocidae) rediscovered in Britain. *British Journal of Entomology and Natural History* 23: 53, 1 fig. (plate 4, fig. 6).
- Shagufta, N. 2010. See Ahmedani, M. S. *et al.* 2010.
- Shiju, R. T. 2010. See Sabu, T. K. & Shiju, R. T. 2010.
- Sokolov, I. M. 2010. See Sokolova Y. Y. *et al.* 2010.
- Sokolova Y. Y., Sokolov, I. M. & Carlton, C. E. 2010. New microsporidia parasitizing bark lice (Insecta: Psocoptera). *Journal of Invertebrate Pathology* 104(3): 186-194. **(Only abstract seen)**.
- Sommerville, A. 2010. Obituary for Bob Saville (1952-2010) (5 pp., 3 photographs). *The Wildlife Information Centre for the Lothians and Borders*. Online: <http://wildlifeinformation.co.uk/downloads/>

TWIC%20Obituary%20for%20Bob%20Saville.pdf

- Stiling, P., Forkner, R. & Drake, B. 2010. Long-term exposure to elevated CO₂ in a Florida scrub-oak forest increases herbivore densities but has no effect on other arthropod guilds. *Insect Conservation and Diversity* 3: 152-156. **(Only abstract seen)**.
- Svensson, B. W. & Hall, K. 2010. Nationalnyckeln till Sveriges flora och fauna. Stövsländor. Psocoptera. *ArtDatabanken, SLU, Uppsala*. 204 pp., numerous figs.
- Sziraki, G. 2006a. Data to the knowledge of the Psocoptera of Maramures. *Studia Universitatis Vasile Goldis, Seria Stiintele Vietii* 17: 109-111.
- Sziraki, G. 2006b. Fürgetetvek, vagy fatetű alakuak a Mecsek-videken és a Geresdi-dombságon (Psocoptera). *Folia comloensis* 15: 43-50. (In Hungarian, with English summary).
- Sziraki, G. 2009. Psocoptera species found at Gyűrűfü in the framework of the "Biodiversity days" program. *Natura Somogyiensis* 13: 85-89. (In Hungarian).
- Throne, J. E. 2009. See Athanassiou, C. G. *et al.* 2009b.
- Throne, J. E. 2009. See Athanassiou, C. G. *et al.* 2009c.
- Throne, J. E. 2010. See Athanassiou, C. G. *et al.* 2010b.
- Throne, J. E. 2010. See Athanassiou, C. G. *et al.* 2010c.
- Throne, J. E. 2010. See Opit, G. P. *et al.* 2010a.
- Throne, J. E. 2010. See Opit, G. P. *et al.* 2010b.
- Throne, J. E. 2010. Overview of North American stored product research. In: Carvalho, M. O. *et al.* (eds.). Proceedings of the 10th International Working Conference on Stored Product Protection, 27 June to 2 July 2010, Estoril, Portugal. *Julius-Kühn-Archiv* 425(1): 42-49.
- Vasconcellos, A. *et al.* 2010. Seasonality of insects in the semi-arid Caatinga of northeastern Brazil. *Revista Brasileira de Entomologia* 54(3): 471-476. **(Only abstract seen)**.
- Volpone, N. W. 2010. See Garcia-del-Rey, E. *et al.* 2010.
- Waller, A. 2009. See Azar, D. *et al.* 2009c.
- Wang Jin-Jun 2010. See Xiao Li-Sha *et al.* 2010.
- Wang, J.-J. *et al.* 2010. The major achievements of grain storage in P. R. China. In: Carvalho, M. O. *et al.* (eds.). Proceedings of the 10th International Working Conference on Stored Product Protection, 27 June to 2 July 2010, Estoril, Portugal. *Julius-Kühn-Archiv* 425(1): 50-56.
- Whitaker, J. O. & Ruckdeschel, C. 2010. Spanish Moss, the unfinished chigger story. *Southeastern Naturalist* 9(1): 85-94. **(Only abstract seen)**.
- Wu Shuang *et al.* 2010. Cloning and characterization of acetylcholinesterase 1 genes from insecticide-resistant field populations of *Liposcelis paeta* Pearman (Psocoptera: Liposcelidae). *Insect Biochemistry and Molecular Biology* 40(5): 415-424. **(Only abstract seen)**.
- Wu Shu-Hui 2010. See Lu Jian-Hua & Wu Shu-Hui 2010.
- Xiao Li-Sha, Dou Wei, Li Yin & Wang Jin-Jun 2010. Comparative studies of acetylcholinesterase purified from three field populations of *Liposcelis entomophila* (Enderlein) (Psocoptera: Liposcelidae). *Archives of Insect Biochemistry and Physiology* 75(3): 158-173. **(Only abstract seen)**.
- Yoshizawa, K. (ed.) 2010a. Psocid News. The Psocidologists' Newsletter. No. 12 (February 28, 2010). *Systematic Entomology, Faculty of Agriculture, Hokkaido University, Sapporo*, 18 pp.
- Yoshizawa, K. 2010b. Direct optimization overly optimizes data. *Systematic Entomology* 35: 199-206.
- Yoshizawa, K. 2010c. Systematic revision of the Japanese species of the subfamily Amphigerontiinae (Psocodea: 'Psocoptera': Psocidae). *Insecta Matsumurana, New Series* 66: 11-36, 17 figs.
- Yoshizawa, K. & Garcia Aldrete, A. N. 2010. Description of a new species of the *Trichadenotecnum roesleri* species group from Brazil (Insecta: Psocodea: 'Psocoptera': Psocidae) and its phylogenetic implications. *Studies on Neotropical Fauna and Environment* 45(1): 61-66, 3 figs.
- Yoshizawa, K. & Johnson, K. P. 2010. How stable is the "Polyphyly of Lice" hypothesis (Insecta: Psocodea)? A comparison of phylogenetic signal in multiple genes. *Molecular Phylogenetics and Evolution* 55: 939-951, 6 figs.
- Yoshizawa, K. & Lienhard, C. 2010. In search of the sister group of the true lice: A systematic review of booklice and their relatives, with an updated checklist of Liposcelidae (Insecta: Psocodea). *Arthropod Systematics & Phylogeny* 68(2): 181-195, 3 figs.

5. Corrections to Lienhard & Smithers, 2002

Page 439: *Mecampsis insolita* (Banks) (author's name in parentheses).

EDITORIAL

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

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Next issue. About Feb. 2012. Please let me have all contributions by Jan. 31 2012.

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