

# Psocid News

## The Psocidologists' Newsletter

No. 4 (Feb. 17, 2003)



*Dyspocus coleoptratus*

### RECORDING THE NATIVE PSOCOPTERA OF BRITAIN AND IRELAND - AN INTRODUCTION TO KEITH ALEXANDER -

**Keith Alexander (UK)**

My interest in Psocoptera began in 1979 when I noticed an *Ectopsocus briggsi* (or was it *E. petersi*?) in my sweep net when I was out recording invertebrates for my employer The National Trust in Devon. I had not knowingly seen a Psocid before and had to start from scratch with a key to insect groups! I think it was Michael Chinery's Collins Guide to the Insects of Britain and Northern Europe that got me started and then I acquired a copy of the Royal Entomological Society's Handbook (New, T. R., 1974, Psocoptera. *Handbk. Id. Br. Insects* I (7)). From then on I took what has to be described as a fairly casual interest, keeping specimens rather selectively, more on whim than anything else - I was employed to identify the nature conservation interests of National Trust properties at the time and Psocoptera are too little known to contribute much - if anything.

Living in Gloucestershire, with its active field recording tradition maintained by the Gloucestershire Naturalists' Society, I was eventually invited to act as County Recorder for Psocoptera, from about 1990. There must be very few English counties with their own official Psocoptera Recorder! There was no county list at the time although an earlier entomologist - Bob George - had started compiling records, mainly of warehouse adventives, in the 1950s and 1960s. His dusty old Psocoptera file was ceremonially passed to me from the Society's archives one day.

The Gloucestershire county list currently stands at 49 species, comprising 36 natives and 13 introductions. Additions may be expected in both categories, the true total of natives being probably around 40 out of the 50 plus nationally, while the potential for further introductions is enormous. My review of the county fauna is due to be published in The Gloucestershire Naturalist very soon.

My recent expansion in interest in Psocids really came about in 1998 while working in Norfolk. My Gloucestershire activities had begun to awaken a deeper interest and my work had taken me to Norfolk that year and I had decided to try recording more intensely. And, amazingly, while browsing through local publications in the English Nature office in Norwich I came across Phil Wither's review of the Norfolk fauna in *Trans. Norfolk Norwich Nat. Soc.* 1997 - someone else actively interested in recording Psocoptera in Britain! This was a real boost - a framework was beginning to form, although Phil was based in France at that time.

And then Bob Saville's review of "The Barklice of the Lothians (Scotland)" appeared in *Glasgow Naturalist* in 1999 - although I didn't come across it for some time afterwards - and I realised I was really not alone! I had just submitted some notes on Psocoptera from one of the National Trust's estates in Northumberland to Entomologist's Record, which appeared in 2001, and so I sent a reprint to Bob as an introduction. Bob has since drawn my attention to Psocid News ... and here we are.

In fact I am now in touch with a small number of other entomologists around Britain who are interested in Psocoptera. None of us had been terribly active and so we had not realised that we shared this common interest. It was really Bob Saville's work that has stimulated us to start communicating together.

My interests are very much in ecology and biogeography, and I have started thinking about the degree of association that our native Psocids have with ecological continuity. Many of the arboreal species appear to be more associated with ancient woodlands and ancient wood pastures, and this would presumably link to the well-known high species-richness of the epiphyte communities of these habitats - better developed epiphytic vegetation will provide a greater variety of niches for associated invertebrates.

Peter Skidmore had suggested that *Trichadenotecnum majus* is an ancient woodland species some time ago. My work in Gloucestershire has started to lead to similar conclusions. Britain's largest bark fly *Psococerastis gibbosa*, the cloudy-winged *Metopophorus nebulosus* and the picture-winged *Loensia fasciata* have only been found in the Cotswold ancient woodlands and in the medieval Forest of Dean, whereas *Caecilius fuscopterus*, with its distinctive wing-banding, the small delicate *Enderleinella obsoleta* and other picture-winged species *Loensia variegata* and *T.*

*majus* have only been found in the Forest. *Trichadenotecnum sexpunctatum* has only been found in one of the larger ancient woodlands in the Cotswold Hills. So there is a clear pattern locally that woodlands with a longer history have a uniquely species-rich Psocid fauna.

My Northumberland recording had shown similar associations with the older woods for *P. gibbosa* and *M. nebulosus*, although *Loensia* and *Trichadenotecnum* were present in areas with less obvious habitat continuity. I have also been recording Psocids more actively in Cornwall, at the opposite, south-western extreme of England. Here I know *Caecilius fuscopterus*, *P. gibbosa*, *Trichadenotecnum sexpunctatum* and *Loensia fasciata* only from ancient oak woods, but *M. nebulosus* is more widespread, even occurring amongst scrub below seacliffs. It seems likely that the degree of association with ancient woodland will be found to vary across the local ranges of the individual species.

Incidentally, I do hate the term "lice" for these attractive insects. I have started to refer to the arboreal species as "bark flies", as the term "lice" has such a bad name with people. If we wish to promote an interest in these delightful insects for their own sake then we do need an attractive vernacular name.

#### **List of Publications on Psocoptera:**

Alexander, K. N. A. 1983. Some observations on the invertebrate fauna of juniper in the Lake District. *Entomologist's Monthly Magazine* **119**: 49.

Alexander, K. N. A. 2001. The Psocoptera of the Wallington Estate - a contribution to recording the Northumberland fauna. *Entomologist's Record* **113**: 231–32.

Alexander, K. N. A. In press. *Epicaecilius pilipennis* (Lienhard) (Psocoptera) new to England from West Sussex. *Entomologist's Record*.

Alexander, K. N. A. In press. The Bark Flies & Book Lice (Psocoptera) Of Gloucestershire. *Gloucestershire Naturalist* No 15.

## **RESEARCH PROGRAM**

**Heather Clarke** (University of Wales, UK)

My name is Heather Clarke, and I am a BSc student at the University of Wales in the U.K.. This summer I have been collecting local species of Psocoptera, and now I am going to use PCR to see if they contain types of bacteria that have been linked to parthenogenesis in arthropods. I will be looking for the bacteria in bisexual and thelytokous species of Psocoptera.

I would be very grateful for any samples to extend my search, and can be contacted at [bsu87a@bangor.ac.uk](mailto:bsu87a@bangor.ac.uk).

## **ADDITIONS AND CORRECTIONS (PART 1) TO LIENHARD & SMITHERS, 2002: "PSOCOPTERA (INSECTA) – WORLD CATALOGUE AND BIBLIOGRAPHY"**

**Charles Lienhard** (Geneva Natural History Museum, Switzerland)

### **1. Introduction**

I plan to publish in "Psocid News" a series of "Additions and Corrections to the World Catalogue and Bibliography". Please remember to send me copies of your papers on Psocoptera, and indicate to me all the errors 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)". 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", except those "(Not seen)"-papers where the matter they deal with is clearly indicated in the title or in the abstract (e. g. most of Wang Jinjun's papers). 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. For each family, changes concerning supra-generic taxa are mentioned at the beginning of the family treatment, except for Psocidae, where subfamilies and tribes 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 (\*). Genera are listed alphabetically within each family, except for Psocidae, where they are grouped according to subfamilies and tribes. Species are listed alphabetically within each genus. 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 underlined if necessary for intelligibility.

No nomenclatural act will be published in the "Additions to the Catalogue" because articles in "Psocid News" are not considered as published works under the rules of ICZN. 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. spelling of species name endings in genera *Neoblaste*, *Ptycta*, *Trichadenotecnum*).

An up-to-date cumulative page index for genus names and family names mentioned in the "Additions and Corrections" will be compiled about every two years, making it relatively easy to work with the different parts up to the moment where a comprehensive complement to the 2002-book could be published.

## 2. Additions to the Catalogue

NOTE: The important and very voluminous monograph on Chinese psocids published by Li Fasheng (2002) is mentioned in chapter 3 ("Additions to the Bibliography"), but it has not yet been analysed in detail for this part of the "Additions to the Catalogue". In this book all 1505 Chinese species examined by Li Fasheng are keyed, described and illustrated; 918 of them are new to science and 64 new genera are defined. This monograph will be analysed in the forthcoming parts of the "Additions to the Catalogue", in the present part only the most important changes concerning higher classification proposed by Li Fasheng are mentioned (see heading "New classification" for Trogiomorpha, Troctomorpha and Psocomorpha).

### Psocoptera

Anat.: Emeljanov *et al.*, 2001a (evolution of testes), 2001b (evolution of testes and ovaries). Palaeont.: Janzen, 2002 (Baltic Amber).

### Trogiomorpha

New classification: Li Fasheng, 2002: 4 (Table 1). The suborder is subdivided into the following superfamilies and families (some names are misspelled in Table 1, their correct spelling is given here): Thylacelloidea: Thylacellidae. Perientomoidea: Lepidopsocidae, Perientomidae. Trogioidea: Anomocopeidae, Trogiidae. Psoquilloidea: Psoquillidae, Empheriidae. Prionoglaridoidea: Prionoglarididae. Speleketoroidea: Speleketoridae. Psyllipsocoidea: Psyllipsocidae, Psocathropidae.

### Empheriidae

Family definition (p. 576), key to species (p. 582): Baz & Ortuño, 2001b.

*Empheropsocus*\*\* Baz & Ortuño, 2001b: 577. Gender: M. Type species: *Empheropsocus arilloi* Baz & Ortuño.

*Empheropsocus arilloi*\* Baz & Ortuño, 2001b: 577. Amber (Cretaceous): Spain (I).

*Empheropsocus marginelabrus*\* Baz & Ortuño, 2001b: 578. Amber (Cretaceous): Spain (I).

*Preempheria*\*\* Baz & Ortuño, 2001b: 580. Gender: F. Type species: *Preempheria antiqua* Baz & Ortuño.

*Preempheria antiqua*\* Baz & Ortuño, 2001b: 581. Amber (Cretaceous). Spain (I).

### Lepidopsocidae

*Echmepteryx* Aaron. Morph.: Yoshizawa, 2002e.

*Echmepteryx* spec. Nicaragua (IV): Garcia Aldrete, 2001f.

*Echmepteryx brunnea* Smithers. Australia (IX): Williams, 2002.

*Echmepteryx falco* (Badonnel). Nicaragua (IV): Garcia Aldrete, 2001f.

*Echmepteryx hageni* (Packard). Parasit.: Huber & Landry, 1999 (figs of *Dicopomorpha echmepterygis* Mockford).

*Echmepteryx picta* Smithers. Australia (IX): Williams, 2002.

*Echmepteryx schrankeli*\* Garcia Aldrete, 2001c: 86. USA (III).

*Nepticulomima* spec. Nicaragua (IV): Garcia Aldrete, 2001f.

*Nepticulomima campechensis*\* Garcia Aldrete, 2001b: 95. Mexico (IV).

*Nepticulomima hoeseimanni* (Enderlein). Ecuador (V): Garcia Aldrete, 2001d.

*Nepticulomima tridentata* Smithers. Australia (IX): Williams, 2002.

*Parasoa haploneura* Thornton. Ecol.: Lienhard, 2002c (in cave).

*Perientomum* spec. Ecol.: Lienhard, 2002c (in cave).

*Proentomum personatum* Badonnel. Nicaragua (IV): Garcia Aldrete, 2001f.

*Pteroxanium insularum* Schmidt & Thornton. Genet.: Shao *et al.*, 2001.

*Pteroxanium kelloggi* (Ribaga). Great Britain (I): Saville, 2001b (phenol.).

*Soa flaviterminata* Enderlein. Nicaragua (IV): Garcia Aldrete, 2001f. Ecol.: Lienhard, 2002c (in cave).

*Thylacella cubana* (Banks). Nicaragua (IV): Garcia Aldrete, 2001f.

*Thylacella huautlensis*\* Garcia Aldrete, 2001a: 59. Mexico (IV).

### Trogiidae

*Cerobasis* spec. Selvagens Islands (II): Arechavaleta *et al.*, 2001. Nicaragua (IV): Garcia Aldrete, 2001f.

*Cerobasis annulata* (Hagen). Selvagens Islands (II): Arechavaleta *et al.*, 2001 (cf. *annulata*).

*Cerobasis canariensis* (Enderlein). Canary Islands (II): Baz & Zurita, 2001.

*Cerobasis denticulata* Lienhard. Canary Islands (II): Baz & Zurita, 2001.

*Cerobasis ericacea* Baz. Canary Islands (II): Baz & Zurita, 2001.

*Cerobasis guestfalica* (Kolbe). Germany (I): Schneider *et al.*, 2001. Great Britain (I): Saville, 2001b (phenol.).

Luxembourg (I): Schneider, 2001. Canary Islands (II): Baz & Zurita, 2001. Australia (IX): Williams, 2002.

Biol.: Braig *et al.*, 2002 (host of *Wolbachia* bacterium).

*Cerobasis insularis* Lienhard. Canary Islands (II): Baz & Zurita, 2001.

*Cerobasis longicornis* Baz. Canary Islands (II): Baz & Zurita, 2001.

*Cerobasis pineticola* Baz. Canary Islands (II): Baz & Zurita, 2001.

*Cerobasis rosae* Baz. Canary Islands (II): Baz & Zurita, 2001.  
*Lepinotus* spec. Nicaragua (IV): Garcia Aldrete, 2001f.  
*Lepinotus inquilinus* Heyden. Canary Islands (II): Baz & Zurita, 2001. Australia (IX): Williams, 2002. Ecol.: Lienhard, 2002c (in cave).  
*Lepinotus patruelis* Pearman. Germany (I): Schneider *et al.*, 2001.  
*Lepinotus reticulatus* Enderlein. Canary Islands (II): Baz & Zurita, 2001. Selvagens Islands (II): Arechavaleta *et al.*, 2001. Ecol.: Lienhard, 2002c (in cave).  
*Lepinotus stoneae* Smithers. Australia (IX): Williams, 2002.  
*Lepinotus vermicularis* Lienhard. Canary Islands (II): Baz & Zurita, 2001.  
*Trogium pulsatorium* (Linnaeus). Czech Republic (I): Holusa, 2001a. Canary Islands (II): Baz & Zurita, 2001.

#### **Psoquillidae**

*Psoquilla marginepunctata* Hagen. Italy (I): Nicoli Aldini, 1998, 2000, 2002.

#### **Psyllipsocidae**

*Dorypteryx domestica* (Smithers). Czech Republic (I): Holusa, 1999. Germany (I): Schneider *et al.*, 2001. Canary Islands (II): Baz & Zurita, 2001. Egg: Kucerova & Jokes, 2002.  
*Dorypteryx longipennis* Smithers. Italy (I): Nicoli Aldini, 2002.  
*Dorypteryx pallida* Aaron. Ecol.: Lienhard, 2002c (in cave).  
*Psocathropos lachlani* Ribaga. Canary Islands (II): Baz & Zurita, 2001. Nicaragua (IV): Garcia Aldrete, 2001f. Ecol.: Lienhard, 2002c (in cave).  
*Psyllipsocus batuensis* Thornton. Ecol.: Lienhard, 2002c (in cave).  
*Psyllipsocus decui* Badonnel. Ecol.: Lienhard, 2002c (in cave).  
*Psyllipsocus dubius* Badonnel. Ecol.: Lienhard, 2002c (in cave).  
*Psyllipsocus hirsutus* Thornton. Ecol.: Lienhard, 2002c (in cave).  
*Psyllipsocus orchidani* Badonnel. Ecol.: Lienhard, 2002c (in cave).  
*Psyllipsocus ramburii* Selys-Longchamps. Germany (I): Schneider *et al.*, 2001. Canary Islands (II): Baz & Zurita, 2001. Selvagens Islands (II): Arechavaleta *et al.*, 2001. USA (III): Welbourn, 1999. Biol.: Braig *et al.*, 2002 (parthenogenesis). Ecol.: Lienhard, 2002c (in cave).  
*Psyllipsocus yucatan* Gurney. Ecol.: Lienhard, 2002c (in cave).

#### **Prionoglarididae**

*Prionoglaris dactyloides* Lienhard. Ecol.: Lienhard, 2002c (in cave).  
*Prionoglaris stygia* Enderlein. Ecol.: Lienhard, 2002c (in cave).  
*Sensitibilla strinatii* Lienhard. Namibia (VI): Strinati, 2001. Ecol.: Lienhard, 2002c (in cave).  
*Speleketor flocki* Gurney. Ecol.: Lienhard, 2002c (in cave).

#### **Troctomorpha**

New classification: Li Fasheng, 2002: 5 (Table 1). The suborder is subdivided into the following superfamilies and families (some names are misspelled in Table 1, their correct spelling is given here): Liposcelidoidea: Liposcelididae. Pachytroctoidea: Pachytroctidae. Troctopsocoidea: Sphaeropsocidae, Troctopsocidae. Musapsocoidea: Musapsocidae. Amphientomoidea: Amphientomidae, Manicapsocidae, Compsocidae.

#### **Electrentomidae**

*Manicapsocidus*\*\* Baz & Ortuño, 2001a: 29. Gender: M. Type species: *Manicapsocidus enigmaticus* Baz & Ortuño. (Tentatively placed in Manicapsocidae).  
*Manicapsocidus enigmaticus*\* Baz & Ortuño, 2001a: 29. Amber (Cretaceous): Spain (I).

#### **Compsocidae**

*Compsocus elegans* Banks. Nicaragua (IV): Garcia Aldrete, 2001f.

#### **Protroctopsocidae**

*Philedaphia hauseri* (Lienhard). Ecol.: Lienhard, 2002c (in cave).  
*Protroctopsocus enigmaticus* Mockford. Ecol.: Lienhard, 2002c (in cave).

#### **Troctopsocidae**

Morph.: Yoshizawa, 2002e.  
*Troctopsoculus morenus* Mockford. Ecuador, Peru (V): Garcia Aldrete, 2001d.

#### **Amphientomidae**

*Amphientomum aelleni* Badonnel. Ecol.: Lienhard, 2002c (in cave).  
*Hemiseopsis alettae* Smithers. Australia (IX): Williams, 2002.  
*Nephax fortunatus* (Navas). Canary Islands (II): Baz & Zurita, 2001.  
*Paramphientomum* Enderlein. Morph.: Yoshizawa, 2002e.  
*Seopsocus lacandonicus*\* Garcia Aldrete, 2001b: 97. Mexico (IV).

*Tineomorpha* Enderlein. Morph.: Yoshizawa, 2002e.

### Liposcelididae

*Belapha* spec. Ecol.: Lienhard, 2002c (in cave).

*Belaphotroctes ghesquierei* Badonnel. Canary Islands (II): Baz & Zurita, 2001. Ecol.: Lienhard, 2002c (in cave).

*Liposcelis* spec. Selvagens Islands (II): Arechavaleta *et al.*, 2001. Nicaragua (IV): Garcia Aldrete, 2001f. Ecol.: Lienhard, 2002c (in cave).

*Liposcelis ayosae* Lienhard. Canary Islands (II): Baz & Zurita, 2001.

*Liposcelis bostrychophila* Badonnel. Germany (I): Schneider *et al.*, 2001. Canary Islands (II): Baz & Zurita, 2001. Nicaragua (IV): Garcia Aldrete, 2001f. Biol.: Yusuf, 1999; Braig *et al.*, 2002 (host of *Wolbachia* bacterium). Ecol.: Lienhard, 2002c (in cave). Pest: Wu Shiyuan *et al.*, 1997; Wang Jinjun *et al.*, 1998, 1999e, 1999f, 1999g, 1999h, 1999i, 2001a, 2001b, 2001c, 2001d, 2001e; Ding Wei *et al.*, 2001, 2002b; Ali & Turner, 2001; Nayak & Collins, 2001a, 2001b; Nayak, 2002; Nayak *et al.*, 2002a, 2002b; Weller & Beckett, 2002.

*Liposcelis brunnea* Motschulsky. Germany (I): Schneider *et al.*, 2001. Canary Islands (II): Baz & Zurita, 2001.

*Liposcelis canariensis* Lienhard. Canary Islands (II): Baz & Zurita, 2001.

*Liposcelis corrodens* (Heymons). Germany (I): Schneider *et al.*, 2001.

*Liposcelis decolor* (Pearman). Germany (I): Schneider *et al.*, 2001. Canary Islands (II): Baz & Zurita, 2001. Ecol.: Lienhard, 2002c (in cave). Pest: Nayak, 2002; Nayak *et al.*, 2002b; Rees *et al.*, 2002; Weller & Beckett, 2002.

*Liposcelis entomophila* (Enderlein). Nicaragua (IV): Garcia Aldrete, 2001f. Pest: Wang Jinjun *et al.*, 1996; Mashaya, 2001; Nayak & Collins, 2001a; Ding Wei *et al.*, 2001, 2002a; Nayak, 2002; Nayak *et al.*, 2002a, 2002b; Weller & Beckett, 2002. Ecol.: Lienhard, 2002c (in cave).

*Liposcelis mendax* Pearman. Canary Islands (II): Baz & Zurita, 2001.

*Liposcelis meridionalis* (Rosen). Ecol.: Lienhard, 2002c (in cave).

*Liposcelis orghidani* Badonnel. Ecol.: Lienhard, 2002c (in cave).

*Liposcelis paeta* Pearman. Pest: Nayak & Collins, 2001a; Nayak *et al.*, 2002a.

*Liposcelis paetula* Broadhead. Canary Islands (II): Baz & Zurita, 2001.

*Liposcelis pubescens* Broadhead. Pest: Weller & Beckett, 2002 (?*pubescens*).

*Liposcelis rufa* Broadhead. Canary Islands (II): Baz & Zurita, 2001.

*Liposcelis rugosa* Badonnel. Canary Islands (II): Baz & Zurita, 2001.

*Liposcelis silvarum* (Kolbe). Germany (I): Schneider *et al.*, 2001. Canary Islands (II): Baz & Zurita, 2001.

*Troglotroctes ashmoleorum* Lienhard. Ecol.: Lienhard, 2002c (in cave).

### Pachytroctidae

*Nanopsocus oceanicus* Pearman. Canary Islands (II): Baz & Zurita, 2001. Nicaragua (IV): Garcia Aldrete, 2001f.

*Nymphotroctes denisi* Badonnel. Canary Islands (II): Baz & Zurita, 2001.

*Pachytroctes* spec. Nicaragua (IV): Garcia Aldrete, 2001f. Ecol.: Lienhard, 2002c (in cave).

*Tapinella* Enderlein. Morph.: Yoshizawa, 2002e.

*Tapinella* spec. Nicaragua (IV): Garcia Aldrete, 2001f.

*Tapinella castanea* Pearman. Canary Islands (II): Baz & Zurita, 2001.

*Tapinella picticeps* Badonnel. Ecol.: Lienhard, 2002c (in cave).

### Sphaeropsocidae

*Sphaeropsocopsis myrtleae* Lienhard & Ashmole. Ecol.: Lienhard, 2002c (in cave).

### Psocomorpha

New classification: Li Fasheng, 2002: 5-6 (Table 1). The suborder is subdivided into the following superfamilies and families: Epipsocoidea: Dolabellopsocidae, Epipsocidae, Callistopteridae, Asiopsocidae. Ptiloneuroidea: Cladiopsocidae, Ptiloneuridae. Calopsocoidea: Polypsocidae (misspelled Polypsocidea in Table 1), Calopsocidae. Caeciliusoidea: Caeciliusidae, Stenopsocidae, Amphipsocidae, Dasydemellidae. Hemipsocoidea: Hemipsocidae. Pseudocaecilioidea: Ectopsocidae, Elipsocidae, Philotarsidae, Archipsocidae, Pseudocaeciliidae, Trichopsocidae, Bryopsocidae. Psocoidea: Peripsocidae, Mesopsocidae, Psilopsocidae, Myopsocidae, Psocidae, Lachesillidae.

New classification: Yoshizawa, 2002e: 372 (Table 1). The suborder is subdivided into the following infraorders, superfamilies and families, the phylogeny of which is extensively discussed: Archipsocetae: Archipsocidae. Hemipsocetae: Hemipsocidae. Psocetae: Myopsocidae, Psilopsocidae, Psocidae. Homilopsocidea: Elipsocoidea: Elipsocidae; Lachesilloidea: Ectopsocidae, Lachesillidae; Pseudocaecilioidea: Trichopsocidae, Pseudocaeciliidae, Calopsocidae; Peripsocoidea: Bryopsocidae, Peripsocidae, Philotarsidae, Mesopsocidae. Epipsocetae: Cladiopsocidae, Ptiloneuridae, Dolabellopsocidae, Epipsocidae. Caeciliusetae: Asiopsocoidea: Asiopsocidae; Caeciliusoidea: Stenopsocidae, Amphipsocidae, Caeciliusidae.

Diagnoses of suborder, infraorders and superfamilies: Yoshizawa, 2002e: 394-398.

### Epipsocidae

Phylogeny: Casasola Gonzalez & Garcia Aldrete, 2002.

*Bertkauia* spec. Mexico (IV): Reddell, 2001 (in cave).

*Bertkauia lucifuga* (Rambur). Germany (I): Schneider *et al.*, 2001. Great Britain (I): Saville, 2001b (phenol.). Ecol.:

Lienhard, 2002c (in cave).  
*Epipsocopsis* Badonnel. Morph.: Yoshizawa, 2002e.  
*Epipsocus* Hagen. Morph.: Yoshizawa, 2002e.  
*Epipsocus* spec. Mexico (IV): Reddell, 2001 (in cave). Nicaragua (IV): Garcia Aldrete, 2001f.  
*Epipsocus badonneli* Mockford. Nicaragua (IV): Garcia Aldrete, 2001f.  
*Epipsocus fasciicornis* Okamoto. Deposition of type: Yoshizawa, 2002b (Hokkaido University Insect Collection).  
*Goja* Navas. Genus definition, distribution, phylogeny, key to species: Casasola Gonzalez & Garcia Aldrete, 2002.  
*Goja acuphhallica*\* Casasola Gonzalez & Garcia Aldrete, 2002: 43. Mexico (IV).  
*Goja aviceps* (Badonnel). Fig.: Casasola Gonzalez & Garcia Aldrete, 2002.  
*Goja bimaculata*\* Casasola Gonzalez & Garcia Aldrete, 2002: 45. Mexico (IV).  
*Goja bogotana* (Roesler). Fig.: Casasola Gonzalez & Garcia Aldrete, 2002.  
*Goja brailovskyana*\* Casasola Gonzalez & Garcia Aldrete, 2002: 47. Mexico (IV).  
*Goja chilensis*\* Casasola Gonzalez & Garcia Aldrete, 2002: 51. Chile (V).  
*Goja circumvittata*\* Casasola Gonzalez & Garcia Aldrete, 2002: 49. Venezuela (V).  
*Goja cornuta*\* Casasola Gonzalez & Garcia Aldrete, 2002: 53. Venezuela (V).  
*Goja cubitalis* (Mockford). Fig.: Casasola Gonzalez & Garcia Aldrete, 2002.  
*Goja curvata*\* Casasola Gonzalez & Garcia Aldrete, 2002: 53. Mexico (IV).  
*Goja ditata* Navas. Disc., Fig.: Casasola Gonzalez & Garcia Aldrete, 2002.  
*Goja eertmoedi*\* Casasola Gonzalez & Garcia Aldrete, 2002: 56. Mexico (IV).  
*Goja erwini*\* Casasola Gonzalez & Garcia Aldrete, 2002: 59. Peru (V).  
*Goja guatemalensis*\* Casasola Gonzalez & Garcia Aldrete, 2002: 61. Guatemala (IV).  
*Goja herrerae*\* Casasola Gonzalez & Garcia Aldrete, 2002: 63. Mexico (IV).  
*Goja latiphallica*\* Casasola Gonzalez & Garcia Aldrete, 2002: 65. Costa Rica (IV).  
*Goja longiareola*\* Casasola Gonzalez & Garcia Aldrete, 2002: 67. Venezuela (V).  
*Goja longispinosa*\* Casasola Gonzalez & Garcia Aldrete, 2002: 69. Mexico (IV).  
*Goja martinezi*\* Casasola Gonzalez & Garcia Aldrete, 2002: 71. Mexico (IV).  
*Goja medellini*\* Casasola Gonzalez & Garcia Aldrete, 2002: 73. Mexico (IV).  
*Goja mockfordi*\* Casasola Gonzalez & Garcia Aldrete, 2002: 75. Mexico (IV).  
*Goja molinai* (Williner). Redescription (male): Casasola Gonzalez & Garcia Aldrete, 2002: 34. Bolivia (V).  
*Goja montieli*\* Casasola Gonzalez & Garcia Aldrete, 2002: 78. Mexico (IV).  
*Goja moyai*\* Casasola Gonzalez & Garcia Aldrete, 2002: 80. Mexico (IV).  
*Goja nebulosa* (Roesler). Further description (male): Casasola Gonzalez & Garcia Aldrete, 2002: 36. Brazil (V).  
*Goja obrienorum*\* Casasola Gonzalez & Garcia Aldrete, 2002: 82. Mexico (IV).  
*Goja ochoteranae*\* Casasola Gonzalez & Garcia Aldrete, 2002: 84. Mexico (IV).  
*Goja ocotensis*\* Casasola Gonzalez & Garcia Aldrete, 2002: 87. Mexico (IV).  
*Goja oculatissima*\* Casasola Gonzalez & Garcia Aldrete, 2002: 89. Mexico, Belize (IV).  
*Goja omiltemensis*\* Casasola Gonzalez & Garcia Aldrete, 2002: 91. Mexico (IV).  
*Goja pallida*\* Casasola Gonzalez & Garcia Aldrete, 2002: 93. Ecuador (V).  
*Goja pechi* (Williner). Fig.: Casasola Gonzalez & Garcia Aldrete, 2002.  
*Goja picta* (Banks). Fig.: Casasola Gonzalez & Garcia Aldrete, 2002.  
*Goja plaumanni* (Roesler). Further description: Casasola Gonzalez & Garcia Aldrete, 2002: 39. Brazil (V).  
*Goja poblana*\* Casasola Gonzalez & Garcia Aldrete, 2002: 95. Mexico (IV).  
*Goja reticulata*\* Casasola Gonzalez & Garcia Aldrete, 2002: 97. Mexico (IV).  
*Goja reticulatoides*\* Casasola Gonzalez & Garcia Aldrete, 2002: 98. Mexico (IV).  
*Goja robusta*\* Casasola Gonzalez & Garcia Aldrete, 2002: 101. Mexico (IV).  
*Goja semiaptera* Mockford. Description of male: Casasola Gonzalez & Garcia Aldrete, 2002: 40. Venezuela (V). Note:  
 On p. 43 one male and 3 females topotypes are incorrectly designated as allotype (male) and paratypes (females).  
*Goja spiculata*\* Casasola Gonzalez & Garcia Aldrete, 2002: 101. Costa Rica (IV).  
*Goja spinosissima*\* Casasola Gonzalez & Garcia Aldrete, 2002: 105. Mexico (IV).  
*Goja ticana*\* Casasola Gonzalez & Garcia Aldrete, 2002: 107. Costa Rica (IV).  
*Goja trinidadensis*\* Casasola Gonzalez & Garcia Aldrete, 2002: 109. Trinidad (V).  
*Goja venezuelensis*\* Casasola Gonzalez & Garcia Aldrete, 2002: 109. Venezuela (V).  
*Goja vittata*\* Casasola Gonzalez & Garcia Aldrete, 2002: 112. Mexico (IV).  
*Mesepipsocus* spec. Nicaragua (IV): Garcia Aldrete, 2001f.  
*Mesepipsocus mobilis* (Hagen). Ecol.: Lienhard, 2002c (in cave).  
*Odontopsocus compactus*\* Lienhard, 2002a: 384. Colombia (V).

#### Neurostigmatidae

*Neurostigma* spec. Nicaragua (IV): Garcia Aldrete, 2001f.

#### Dolabellopsocidae

*Dolabellopsocus* Eertmoed. Morph.: Yoshizawa, 2002e.

*Dolabellopsocus* spec. Nicaragua (IV): Garcia Aldrete, 2001f.

*Isthmopsocus* Eertmoed. Morph.: Yoshizawa, 2002e.

### Cladiopsocidae

Monophyly of the family not supported: Yoshizawa, 2002e.

*Cladiopsocus* Roesler. Morph.: Yoshizawa, 2002e.

*Cladiopsocus* spec. Nicaragua (IV): Garcia Aldrete, 2001f.

*Spurostigma* Eertmoed. Morph.: Yoshizawa, 2002e.

*Spurostigma epiroticum* Eertmoed. Nicaragua (IV): Garcia Aldrete, 2001f.

*Spurostigma jimenezi* Badonnel. Ecol.: Lienhard, 2002c (in cave).

### Ptiloneuridae

*Euplocania* spec. Nicaragua (IV): Garcia Aldrete, 2001f.

*Euplocania zelayensis*\* Garcia Aldrete, 2001g:187. Nicaragua (IV).  
Nicaragua (IV): Garcia Aldrete, 2001f.

*Loneura* spec. Nicaragua (IV): Garcia Aldrete, 2001f.

*Ptiloneura* Enderlein. Morph.: Yoshizawa, 2002e.

*Triplocania* Roesler. Morph.: Yoshizawa, 2002e.

*Triplocania maesi*\* Garcia Aldrete, 2000c: 171. Nicaragua (IV).  
Nicaragua (IV): Garcia Aldrete, 2001f.

*Triplocania saslayensis*\* Garcia Aldrete, 2000c: 174. Nicaragua (IV).  
Nicaragua (IV): Garcia Aldrete, 2001f.

### Asiopsocidae

*Asiopsocus* Günther. Morph.: Yoshizawa, 2002e.

*Notiopsocus* Banks. Morph.: Yoshizawa, 2002e.

### Caeciliusidae

Monophyly of the family not supported: Yoshizawa, 2002e.

Austrocaeciliini: new name for Kodamaiini: Yoshizawa, 2001b: 25.

Kodamaiina: Transfer to Amphipsocidae (as subfamily): Yoshizawa, 2001b: 2.

*Aphyopsocus prolixus* Smithers. Australia (IX): Williams, 2002.

*Caecilius* Curtis. Morph.: Yoshizawa, 2002e.

*Caecilius fuscopterus* (Latreille). Germany (I): Schneider *et al.*, 2001. Great Britain (I): Saville, 2001b (phenol.).  
Hungary (I): Sziraki, 2001. Italy (I): Locatelli & Limonta, 2002b. Parasit.: Triapitsyn, 2002.

*Dypsocus* Hagen. Morph.: Yoshizawa, 2002e (misspelled *Dasyopsocus* in Table 2 and Figs 69-72, 74).

*Enderleinella hylobius* (Smithers). Australia (IX): Williams, 2002.

*Enderleinella obsoleta* (Stephens). Great Britain (I): Saville, 2001b (phenol.). Hungary (I): Sziraki, 2001. Italy (I):  
Locatelli & Limonta, 2002b.

*Epicaecilius pilipennis* (Lienhard). Great Britain (I): Saville, 2001a, 2001b (phenol.).

*Kodamaius* Okamoto. See family Amphipsocidae.

*Lienhardiella dahli* (Badonnel). Canary Islands (II): Baz & Zurita, 2001.

*Maoripsocus concavistigma* (Schmidt & Thornton). Australia (IX): Williams, 2002. Genet.: Shao *et al.*, 2001.

*Maoripsocus griseus* (Smithers). Australia (IX): Williams, 2002.

*Maoripsocus macrostigma* (Enderlein). Australia (IX): Williams, 2002.

*Maoripsocus semifuscatus* Tillyard. Australia (IX): Williams, 2002.

*Maoripsocus tugloensis* (Smithers). Australia (IX): Williams, 2002.

*Paracaecilius* spec. Garcia Aldrete, 2001f (p. 195, footnote): The mention of *Paracaecilius* spec. from Nicaragua by  
Maes & Garcia Aldrete (1998) is probably an error.  
Anat.: Emeljanov *et al.*, 2001 (as *Caecilioidus* spec., misspelled *Caecilioides* on p. 67).

*Paracaecilius lemuris* Smithers. Australia (IX): Williams, 2002.

*Stenocaecilius australis* (Enderlein). Australia (IX): Williams, 2002.

*Stenocaecilius casarum* (Badonnel). Nicaragua (IV): Garcia Aldrete, 2001f: 195 (as *Valenzuela casarum*).

*Stenocaecilius lineatus* (Smithers). Australia (IX): Williams, 2002.

*Stenocaecilius quercus* (Edwards). Australia (IX): Williams, 2002. Genet.: Shao *et al.*, 2001.

*Valenzuela* spec. Nicaragua (IV): Garcia Aldrete, 2001f.

*Valenzuela atricornis* (McLachlan). Finland (I): Kanervo, 1996. Hungary (I): Sziraki, 2001. Italy (I): Locatelli &  
Limonta, 2002b.

*Valenzuela burmeisteri* (Brauer). Austria (I): Thaler & Knoflach, 2001. Czech Republic (I): Holusa, 2001a. Germany  
(I): Schneider *et al.*, 2001. Great Britain (I): Saville, 2001b (phenol.). Hungary (I): Sziraki, 2001. Luxembourg  
(I): Schneider, 2001. Canary Islands (II): Baz & Zurita, 2001.

*Valenzuela corsicus* (Kolbe). Redescription: Lienhard, 2002b: 690. France: Corsica (I).

*Caecilius rhenanus* Tetens. Synonymy: Lienhard, 2002b: 690.

*Valenzuela despaxi* (Badonnel). Czech Republic (I): Holusa, 2001a; Holusa & Znojil, 2002. Hungary (I): Sziraki,  
2001. Luxembourg (I): Schneider, 2001.

*Valenzuela flavidus* (Stephens). Czech Republic (I): Holusa, 2001a. Germany (I): Schneider *et al.*, 2001. Great Britain  
(I): Saville, 2001b (phenol.). Hungary (I): Sziraki, 2001. Italy (I): Locatelli & Limonta, 2002b. Canary Islands  
(II): Baz & Zurita, 2001. Nicaragua (IV): Garcia Aldrete, 2001f. Biol.: Braig *et al.*, 2002 (parthenogenesis).

Parasit.: Triapitsyn, 2002.

*Valenzuela fortunatus* (Enderlein). Canary Islands (II): Baz & Zurita, 2001.

*Valenzuela gracilis* Okamoto. *Caecilius gracilis* Okamoto. Deposition of type: Yoshizawa, 2002b (Hokkaido University Insect Collection).

*Valenzuela gynapterus* (Tetens). Germany (I): Schneider *et al.*, 2001.

*Valenzuela labrostylus*\* Lienhard, 2002b: 688. France: Corsica (I). Generic placement doubtful, not assigned to one of the species groups defined by Mockford (2000).

*Valenzuela okamotoi* (Banks). *Caecilius annulicornis* Okamoto. Deposition of type: Yoshizawa, 2002b (Hokkaido University Insect Collection).

*Valenzuela piceus* (Kolbe). Great Britain (I): Saville, 2001b (phenol.). Hungary (I): Sziraki, 2001. Italy (I): Locatelli & Limonta, 2002b. Anat.: Emeljanov *et al.*, 2001.

*Valenzuela pteridii* (Smithers). Australia (IX): Williams, 2002.

*Xanthocaecilius* spec. Nicaragua (IV): Garcia Aldrete, 2001f.

### Stenopsocidae

*Graphopsocus* Kolbe. Morph.: Yoshizawa, 2002e (misspelled *Graphocaecilius* in Table 2 and Figs 69-72, 74).

*Graphopsocus cruciatus* (Linnaeus). France (I): Anglade & Bigot, 2001. Germany (I): Schneider *et al.*, 2001. Great Britain (I): Saville, 2001b (phenol.). Hungary (I): Sziraki, 2001. Italy (I): Locatelli & Limonta, 2002b. Canary Islands (II): Baz & Zurita, 2001.

*Graphopsocus mexicanus* Enderlein. Nicaragua (IV): Garcia Aldrete, 2001f.

*Stenopsocus* Hagen. Morph.: Yoshizawa, 2002e (misspelled *Stenopsocus* in Table 2 and Figs 69-72, 74).

*Stenopsocus albipileus* Smithers. Australia (IX): Williams, 2002.

*Stenopsocus immaculatus* (Stephens). Germany (I): Schneider *et al.*, 2001. Great Britain (I): Saville, 2001b (phenol.). Hungary (I): Sziraki, 2001. Italy (I): Locatelli & Limonta, 2002b. Luxembourg (I): Schneider, 2001. Parasit.: Triapitsyn, 2002.

*Stenopsocus lachlani* Kolbe, 1880. Czech Republic (I): Holusa, 2001a. Great Britain (I): Saville, 2001a, 2001b (phenol.).

*Stenopsocus nigricellus* Okamoto. Deposition of type: Yoshizawa, 2002b (Hokkaido University Insect Collection).

*Stenopsocus stigmaticus* (Imhoff & Labram). Hungary (I): Sziraki, 2001. Italy (I): Locatelli & Limonta, 2002b. Luxembourg (I): Schneider, 2001. Parasit.: Triapitsyn, 2002.

### Amphipsocidae

Diagnosis (p. 2), phylogeny (p. 22): Yoshizawa, 2001b.

Kodamainae: Subfamily of Amphipsocidae (former subtribe Kodamaina of Caeciliusidae), diagnosis: Yoshizawa, 2001b: 2.

Dasydemellinae: Subfamily of Amphipsocidae (former family Dasydemellidae), diagnosis: Yoshizawa, 2001b: 8.

Amphipsocinae: Diagnosis: Yoshizawa, 2001b: 13.

*Amphipsocus* McLachlan. Diagnosis: Yoshizawa, 2001b: 16. Morph.: Yoshizawa, 2002e.

*Amphipsocus formosanus* Okamoto. Deposition of type: Yoshizawa, 2002b (Hokkaido University Insect Collection).

*Amphipsocus japonicus* (Enderlein). Redescription: Yoshizawa, 2001b: 16. Japan (VIII). Chrom.: Golub & Nokkala, 2001 [two species are dealt with, called *A. japonicus* (End.) and *Dasypsocus japonicus* End., two different combinations of the same specific name; if they are different, the name *japonicus* End. could only be applied to one of them (cf. Lienhard & Smithers, 2002: 211)].

*Amphipsocus rubrostigma* Okamoto. Synonymy: Yoshizawa, 2001b: 16 (see also remark in Yoshizawa, 2002d: 7). Deposition of type: Yoshizawa, 2001b, 2002b (Hokkaido University Insect Collection).

*Dasydemella* spec. Nicaragua (IV): Garcia Aldrete, 2001f.

*Dasypsocus* Enderlein. Morph.: Yoshizawa, 2002e.

*Dasypsocus* spec. Nicaragua (IV): Garcia Aldrete, 2001f.

*Kodamaius* Okamoto. Transfer from Caeciliusidae, diagnosis: Yoshizawa, 2001b: 3. Morph.: Yoshizawa, 2002e.

*Kodamaius brevicornis* Okamoto. Diagnosis: Yoshizawa, 2001b: 8, 25. Taiwan (VIII). (Synonymy with *K. pilosus* Okamoto rejected). Apparently not known from Japan: Yoshizawa, 2001b: 8.

*Kodamaius pilosus* Okamoto. Redescription: Yoshizawa, 2001b: 3. Japan (VIII). (Synonymy with *K. brevicornis* Okamoto rejected). Deposition of type: Yoshizawa, 2001b, 2002b (Hokkaido University Insect Collection).

*Kolbia* Bertkau. Diagnosis: Yoshizawa, 2001b: 13. Morph.: Yoshizawa, 2002e.

*Kolbia fusconervosa* Enderlein. Redescription: Yoshizawa, 2001b: 14. Japan (VIII).

*Kolbia quisquiliarum* Bertkau. Czech Republic (I): Holusa & Znojil, 2002. Germany (I): Schneider *et al.*, 2001. Hungary (I): Sziraki, 2001.

*Matsumuraiella* Enderlein. Diagnosis: Yoshizawa, 2001b: 8. Morph.: Yoshizawa, 2002e.

*Matsumuraiella radiopicta* Enderlein. Redescription: Yoshizawa, 2001b: 9. Japan (VIII). Information on some original labels (with photograph): Yoshizawa, 2002d.

*Polypsocus* spec. Nicaragua (IV): Garcia Aldrete, 2001f.

*Taeniostigma trickettae* Smithers. Australia (IX): Williams, 2002.

### Dasydemellidae

Transferred to Amphipsocidae as subfamily Dasydemellinae: Yoshizawa, 2001b: 8.



## Lachesillidae

Monophyly of the family (including *Eolachesilla*) not supported: Yoshizawa, 2002e.

*Anomopsocus* spec. a. Nicaragua (IV): Garcia Aldrete, 2001f.

*Eolachesilla* Badonnel. Morph.: Yoshizawa, 2002e (genus declared incertae sedis, may represent its own family).

*Lachesilla* Westwood. Morph.: Yoshizawa, 2002e. Definition of *rena* species complex within *pedicularia* group: Mockford, 2002a: 149.

*Lachesilla* spec. Nicaragua (IV): Garcia Aldrete, 2001f (spec. of *pedicularia* group).

*Lachesilla acuminiforceps* Garcia Aldrete. Nicaragua (IV): Garcia Aldrete, 2001f.

*Lachesilla aethiopica* (Enderlein). Nicaragua (IV): Garcia Aldrete, 2001f.

*Lachesilla anahuacensis*\* Mockford, 2002a: 155. Mexico, Nicaragua (IV).

*Lachesilla rena* Sommerman. Garcia Aldrete, 1974a: Figs 196, 197, 198 (cf. Mockford, 2002a: 156).

[Not *Lachesilla rena* Sommerman, 1946].

*Lachesilla asperiforceps*\* Garcia Aldrete, 2001f: 181. Nicaragua, Guatemala, Mexico (IV).

*Lachesilla bernardi* Badonnel. Hungary (I): Sziraki, 2001. Italy (I): Locatelli & Limonta, 2002b.

*Lachesilla centralis* Garcia Aldrete. Nicaragua (IV): Garcia Aldrete, 2001f.

*Lachesilla forcipulata* Garcia Aldrete. Nicaragua (IV): Garcia Aldrete, 2001f.

*Lachesilla forcepeta* Chapman. Not known from Nicaragua, cf. Garcia Aldrete, 2001f (p. 196: footnote).

*Lachesilla hirsuta*\* Lienhard, 2002a: 388. Thailand (VIII).

*Lachesilla huasteca*\* Mockford, 2002a: 151. Mexico, Puerto Rico (IV); USA: Florida (III).

*Lachesilla rena* Sommerman. Mockford, 1993a: Fig. 660 (cf. Mockford, 2002a: 153).

[Not *Lachesilla rena* Sommerman, 1946].

*Lachesilla meinanderi* Lienhard. Canary Islands (II): Baz & Zurita, 2001.

*Lachesilla mombachensis*\* Garcia Aldrete, 2001f: 184. Nicaragua (IV).

*Lachesilla nevermanni* (Navas). Nicaragua (IV): Garcia Aldrete, 2001f.

*Lachesilla forcepeta* Chapman. Maes & Garcia Aldrete, 1998. See Garcia Aldrete, 2001f (p. 196: footnote).

[Not *Lachesilla forcepeta* Chapman, 1930].

*Lachesilla oaxacana*\* Garcia Aldrete, 2001e: 1003. Mexico (IV).

*Lachesilla otomi*\* Mockford, 2002a: 153. Guatemala, Mexico, Nicaragua (IV); USA: Florida (III).

*Lachesilla rena* Sommerman. Garcia Aldrete, 1974a: Fig. 189 (cf. Mockford, 2002a: 155).

*Lachesilla rena* Sommerman. Mockford, 1993a: Fig. 214 (cf. Mockford, 2002a: 155).

[Not *Lachesilla rena* Sommerman, 1946].

*Lachesilla pedicularia* (Linnaeus). Czech Republic (I): Holusa, 2001a. Germany (I): Schneider *et al.*, 2001. Great Britain (I): Saville, 2001b (phenol.). Hungary (I): Sziraki, 2001. Italy (I): Locatelli & Limonta, 2002b. Canary Islands (II): Baz & Zurita, 2001.

*Lachesilla penta* Sommerman. Nicaragua (IV): Garcia Aldrete, 2001f.

*Lachesilla quercus* (Kolbe). Germany (I): Schneider *et al.*, 2001. Hungary (I): Sziraki, 2001. Italy (I): Locatelli & Limonta, 2002b. Luxembourg (I): Schneider, 2001. Canary Islands (II): Baz & Zurita, 2001.

*Lachesilla rena* Sommerman. Nicaragua (IV): Garcia Aldrete, 2001f.

*Lachesilla rena* Sommerman. Mockford, 2002a: 156 (redescription and revised distribution). USA (III); Mexico, Haiti (IV).

*Lachesilla riegei* Sommerman. Nicaragua (IV): Garcia Aldrete, 2001f.

*Lachesilla sandersoni* Mockford. Nicaragua (IV): Garcia Aldrete, 2001f.

*Lachesilla silvatica* Garcia Aldrete. Nicaragua (IV): Garcia Aldrete, 2001f.

*Lachesilla tanaidana* Roesler. Czech Republic (I): Holusa, 2001c.

*Lachesilla tapiabarquerói*\* Garcia Aldrete, 2001f: 188. Nicaragua (IV).

*Lachesilla tectorum* Badonnel. Canary Islands (II): Baz & Zurita, 2001. Nicaragua (IV): Garcia Aldrete, 2001f.

*Lachesilla tropica* Garcia Aldrete. Nicaragua (IV): Garcia Aldrete, 2001f.

*Lachesilla wongae* Garcia Aldrete. Nicaragua (IV): Garcia Aldrete, 2001f.

*Lachesilla xalapensis*\* Garcia Aldrete, 2001e: 1000. Mexico (IV).

*Lachesilla yucateca*\* Mockford, 2002a: 158. Mexico (IV).

*Nadleria gamma* Mockford. Belize (IV): Garcia Aldrete, 2001d.

*Nadleria mariateresae* Garcia Aldrete. Mexico (IV): Garcia Aldrete, 2001b.

*Nanolachesilla* Mockford & Sullivan. Morph.: Yoshizawa, 2002e.

*Prolachesilla mediana* Mockford & Sullivan. Nicaragua (IV): Garcia Aldrete, 2001f.

*Prolachesilla mexicana* Mockford & Sullivan. Nicaragua (IV): Garcia Aldrete, 2001f.

*Prolachesilla pallida* Mockford & Sullivan. Nicaragua (IV): Garcia Aldrete, 2001f.

## Ectopsocidae

*Belipsocus*\*\* Garcia Aldrete, 2002b: 2. Gender: M. Type species: *Belipsocus chiquibulensis* Garcia Aldrete.

*Belipsocus chiquibulensis*\* Garcia Aldrete, 2002b: 2. Belize (IV).

*Ectopsocus* McLachlan. Morph.: Yoshizawa, 2002e.

*Ectopsocus* spec. Nicaragua (IV): Garcia Aldrete, 2001f. Ecol.: Lienhard, 2002c (in cave).

*Ectopsocus albiceps* Smithers. Australia (IX): Williams, 2002.

*Ectopsocus aldretei* Smithers. Australia (IX): Williams, 2002.

*Ectopsocus australis* Schmidt & Thornton. Australia (IX): Williams, 2002.  
*Ectopsocus axillaris* (Smithers). Great Britain (I): Saville, 2001a, 2001b (phenol.).  
*Ectopsocus briggsi* McLachlan. Germany (I): Schneider *et al.*, 2001. Great Britain (I): Saville, 2001b (phenol.). Italy (I): Locatelli & Limonta, 2002b. Canary Islands (II): Baz & Zurita, 2001. Australia (IX): Williams, 2002.  
*Ectopsocus brunneus* (Edwards). Australia (IX): Williams, 2002.  
*Ectopsocus californicus* (Banks). Australia (IX): Williams, 2002.  
*Ectopsocus edwardsi* New. Australia (IX): Williams, 2002.  
*Ectopsocus hartleyi* Smithers. Australia (IX): Williams, 2002.  
*Ectopsocus maindroni* Badonnel. Nicaragua (IV): Garcia Aldrete, 2001f.  
*Ectopsocus meridionalis* Ribaga. Germany (I): Schneider *et al.*, 2001. Hungary (I): Sziraki, 2001.  
*Ectopsocus perplexus* Smithers. Australia (IX): Williams, 2002.  
*Ectopsocus petersi* Smithers. Great Britain (I): Saville, 2001a, 2001b (phenol.).  
*Ectopsocus pilosoides* Smithers. Australia (IX): Williams, 2002.  
*Ectopsocus pteridii* Smithers. Australia (IX): Williams, 2002.  
*Ectopsocus punctatus* Thornton & Wong. Australia (IX): Williams, 2002.  
*Ectopsocus strauchii* Enderlein. Canary Islands (II): Baz & Zurita, 2001. Selvagens Islands (II): Arechavaleta *et al.*, 2001.  
*Ectopsocus vachoni* Badonnel. Canary Islands (II): Baz & Zurita, 2001.  
*Ectopsocus venosus*\* Lienhard, 2002a: 391. Malaysia (VIII).  
*Ectopsocus vilhenai* Badonnel. Nicaragua (IV): Garcia Aldrete, 2001f.

### Peripsocidae

*Cycloperipsocus edwardsi* (New). Australia (IX): Williams, 2002.  
*Kaestneriella* Roesler. Morph.: Yoshizawa, 2002e.  
*Peripsocus* Hagen. Morph.: Yoshizawa, 2002e.  
*Peripsocus* spec. Nicaragua (IV): Garcia Aldrete, 2001f.  
*Peripsocus alboguttatus* (Dalman). Great Britain (I): Saville, 2001b (phenol.). Hungary (I): Sziraki, 2001. Italy (I): Locatelli & Limonta, 2002a, 2002b.  
*Peripsocus bifasciatus* Schmidt & Thornton. Australia (IX): Williams, 2002.  
*Peripsocus bivari* Baz. Canary Islands (II): Baz & Zurita, 2001.  
*Peripsocus didymus* Roesler. Great Britain (I): Saville, 2001b (phenol.). Hungary (I): Sziraki, 2001. Italy (I): Locatelli & Limonta, 2002a, 2002b.  
*Peripsocus hamiltonae* Smithers. Australia (IX): Williams, 2002.  
*Peripsocus hickmani* New. Australia (IX): Williams, 2002.  
*Peripsocus maoricus* (Tillyard). Australia (IX): Williams, 2002.  
*Peripsocus melaleucae* New. Australia (IX): Williams, 2002.  
*Peripsocus milleri* (Tillyard). Canary Islands (II): Baz & Zurita, 2001. Australia (IX): Williams, 2002.  
*Peripsocus morulops* (Tillyard). Australia (IX): Williams, 2002.  
*Peripsocus notialis* Smithers. Australia (IX): Williams, 2002.  
*Peripsocus parvulus* Kolbe. Germany (I): Schneider *et al.*, 2001. Luxembourg (I): Schneider, 2001.  
*Peripsocus phaeopterus* (Stephens). Great Britain (I): Saville, 2001b (phenol.). Hungary (I): Sziraki, 2001. Italy (I): Locatelli & Limonta, 2002a, 2002b. Canary Islands (II): Baz & Zurita, 2001.  
*Peripsocus roseus* Smithers. Australia (IX): Williams, 2002.  
*Peripsocus subfasciatus* (Rambur). Czech Republic (I): Holusa, 2001a. Finland (I): Silfverberg, 2001. Germany (I): Schneider *et al.*, 2001. Great Britain (I): Saville, 2001b (phenol.). Hungary (I): Sziraki, 2001. Italy (I): Locatelli & Limonta, 2002a, 2002b. Luxembourg (I): Schneider, 2001.  
*Peripsocus tillyardi* New. Australia (IX): Williams, 2002.

### Calopsocidae

*Calopsocus* Hagen. Morph.: Yoshizawa, 2002e.

### Trichopsocidae

*Trichopsocus* Kolbe. Morph.: Yoshizawa, 2002e.  
*Trichopsocus clarus* (Banks). Canary Islands (II): Baz & Zurita, 2001. New Zealand (IX): Smithers, 2002a.  
*Trichopsocus australis* Edwards. Synonymy: Smithers, 2002a: 155.  
*Trichopsocus dali* (McLachlan). Great Britain (I): Saville, 2001b (phenol.). Luxembourg (I): Schneider, 2001.

### Archipsocidae

*Archipsocus* Hagen. Morph.: Yoshizawa, 2002e.  
*Archipsocus* spec. Nicaragua (IV): Garcia Aldrete, 2001f.  
*Pararchipsocus* Badonnel, Mockford & Garcia Aldrete. Morph.: Yoshizawa, 2002e.  
*Pararchipsocus* spec. Nicaragua (IV): Garcia Aldrete, 2001f.

### Pseudocaeciliidae

Monophyly of the family not supported: Yoshizawa, 2002e.

*Austropsocus antennalis* Thornton & New. Australia (IX): Williams, 2002.  
*Austropsocus costalis* Thornton & New. Australia (IX): Williams, 2002.  
*Austropsocus cuneatus* Thornton & New. Australia (IX): Williams, 2002.  
*Austropsocus omega* Thornton & New. Australia (IX): Williams, 2002.  
*Austropsocus sinuosus* (Banks). Australia (IX): Williams, 2002.  
*Austropsocus suffusus* Thornton & New. Australia (IX): Williams, 2002.  
*Austropsocus tibialis* Thornton & New. Australia (IX): Williams, 2002.  
*Austropsocus viridis* (Enderlein). Australia (IX): Williams, 2002.  
*Choroacaecilius brunellus* (Tillyard). Australia (IX): Williams, 2002.  
*Cladioneura pulchripennis* Enderlein. Australia (IX): Williams, 2002.  
*Heteroacaecilius* Lee & Thornton. Morph.: Yoshizawa, 2002e.  
*Heteroacaecilius lachlani* (Enderlein). Australia (IX): Williams, 2002.  
*Heteroacaecilius mouldsi* Smithers. Australia (IX): Williams, 2002.  
*Heteroacaecilius rotundus* Smithers. Australia (IX): Williams, 2002.  
*Lobocaecilius monicus* Lee & Thornton. Australia (IX): Williams, 2002.  
*Mepleres* spec. Australia (IX): Williams, 2002.  
*Mepleres alettae* (Smithers). Australia (IX): Williams, 2002.  
*Mepleres crenulatus* (New). Australia (IX): Williams, 2002.  
*Mepleres medialis* (Banks). Australia (IX): Williams, 2002.  
*Mepleres papillosus* (Schmidt & Thornton). Australia (IX): Williams, 2002.  
*Mepleres rotundatus* (New). Australia (IX): Williams, 2002.  
*Mepleres tanei* (Smithers). Australia (IX): Williams, 2002. Genet.: Shao *et al.*, 2001.  
*Mepleres yenoides* (Schmidt & Thornton). Australia (IX): Williams, 2002.  
*Mesocaecilius quadrimaculatus* Okamoto. Deposition of type: Yoshizawa, 2002b (Hokkaido University Insect Collection).  
*Ophiidopelma* Enderlein. Morph.: Yoshizawa, 2002e.  
*Pseudocaecilius* Enderlein. Morph.: Yoshizawa, 2002e.  
*Pseudocaecilius citricola* (Ashmead). Nicaragua (IV): Garcia Aldrete, 2001f.  
*Pseudocaecilius kagoshimensis* (Okamoto). *Kolbea kagoshimensis* Okamoto. Deposition of type: Yoshizawa, 2002b (Hokkaido University Insect Collection).  
*Scytosopus* spec. Nicaragua (IV): Garcia Aldrete, 2001f.

#### Bryopsocidae

*Bryopsocus* Thornton, Wong & Smithers. Morph.: Yoshizawa, 2002e.

#### Philotarsidae

*Aaroniella* Mockford. Morph.: Yoshizawa, 2002e.  
*Aaroniella* spec. Nicaragua (IV): Garcia Aldrete, 2001f.  
*Aaroniella rawlingsi* Smithers. Australia (IX): Williams, 2002.  
*Haplophallus leptus* Thornton & New. Australia (IX): Williams, 2002.  
*Haplophallus sinus* Thornton & New. Australia (IX): Williams, 2002.  
*Philotarsopsis bundoorensis* (New). Australia (IX): Williams, 2002.  
*Philotarsopsis guttata* (Tillyard). Australia (IX): Williams, 2002.  
*Philotarsopsis lemsidia* (Thornton & New). Australia (IX): Williams, 2002.  
*Philotarsopsis medialis* (Thornton & New). Australia (IX): Williams, 2002.  
*Philotarsopsis ornata* (Thornton & New). Australia (IX): Williams, 2002.  
*Philotarsopsis paraguttata* (Thornton & New). Australia (IX): Williams, 2002.  
*Philotarsus* Kolbe. Morph.: Yoshizawa, 2002e.  
*Philotarsus* spec. Nicaragua (IV): Garcia Aldrete, 2001f.  
*Philotarsus parviceps* Roesler. Czech Republic (I): Holusa & Znojil, 2002. Great Britain (I): Saville, 2001a, 2001b (phenol.). Italy (I): Locatelli & Limonta, 2002b. Slovakia (I): Holusa & Znojil, 2002; Holusa & Holusa, 2002a.  
*Philotarsus picicornis* (Fabricius). Czech Republic (I): Holusa, 2001a. Germany (I): Schneider *et al.*, 2001. Great Britain (I): Saville, 2001b (phenol.). Hungary (I): Sziraki, 2001. Italy (I): Locatelli & Limonta, 2002b. Luxembourg (I): Schneider, 2001.

#### Elipsocidae

*Cuneopalpus cyanops* (Rostock). Germany (I): Schneider *et al.*, 2001. Great Britain (I): Saville, 2001b (phenol.).  
*Elipsocus* Hagen. Morph.: Yoshizawa, 2002e.  
*Elipsocus abdominalis* Reuter. Germany (I): Schneider *et al.*, 2001. Great Britain (I): Saville, 2001b (phenol.). Italy (I): Locatelli & Limonta, 2002b.  
*Elipsocus annulatus* Roesler. Germany (I): Schneider *et al.*, 2001.  
*Elipsocus coloripennis* Lienhard. Canary Islands (II): Baz & Zurita, 2001.  
*Elipsocus fasciatus* (Navas). Canary Islands (II): Baz & Zurita, 2001.  
*Elipsocus hyalinus* (Stephens). France (I): Anglade & Bigot, 2001. Germany (I): Schneider *et al.*, 2001. Great Britain

(I): Saville, 2001b (phenol.). Italy (I): Locatelli & Limonta, 2002b.  
*Elipsocus lanceoticus* Baz. Canary Islands (II): Baz & Zurita, 2001.  
*Elipsocus moebiusi* Tetens. Czech Republic (I): Holusa, 2001a. Germany (I): Schneider *et al.*, 2001. Great Britain (I): Saville, 2001a, 2001b (phenol.). Slovakia (I): Holusa & Holusa, 2002b.  
*Elipsocus pumilis* (Hagen). Germany (I): Schneider *et al.*, 2001. Great Britain (I): Saville, 2001b (phenol.). Italy (I): Locatelli & Limonta, 2002b.  
*Hemineura* Tetens. Morph.: Yoshizawa, 2002e.  
*Hemineura wittmeri* Badonnel. Canary Islands (II): Baz & Zurita, 2001.  
*Paedomorpha gayi* Smithers. Australia (IX): Williams, 2002.  
*Palmicola vinai* Badonnel. Ecol.: Lienhard, 2002c (in cave).  
*Pentacladus eucalypti* Enderlein. Australia (IX): Williams, 2002.  
*Protopsocus pulchripennis* (Perkins). Australia (IX): Williams, 2002.  
*Pseudopsocus rostocki* Kolbe. Germany (I): Schneider *et al.*, 2001.  
*Reuterella helvimacula* (Enderlein). Czech Republic (I): Holusa, 2001a (misspelled *R. helvimaculata*). Germany (I): Schneider *et al.*, 2001. Great Britain (I): Saville, 2001b (phenol.).  
*Spilopsocus ruidus* Smithers. Australia (IX): Williams, 2002.

### Mesopsocidae

*Cyrtopsocus canariensis* (Meinander). Canary Islands (II): Baz & Zurita, 2001.  
*Cyrtopsocus gibbosus* Lienhard. Canary Islands (II): Baz & Zurita, 2001.  
*Cyrtopsocus truncatus* Lienhard. Canary Islands (II): Baz & Zurita, 2001.  
*Idatenopsocus* Yoshizawa & Lienhard. Morph.: Yoshizawa, 2002e.  
*Mesopsocus* Kolbe. Morph.: Yoshizawa, 2002e.  
*Mesopsocus helveticus* Lienhard. Finland (I): Kanervo, 2002b.  
*Mesopsocus immunis* (Stephens). Great Britain (I): Saville, 2001b (phenol.). Hungary (I): Sziraki, 2001.  
*Mesopsocus laterimaculatus* Ball. Canary Islands (II): Baz & Zurita, 2001.  
*Mesopsocus laticeps* (Kolbe). Germany (I): Schneider *et al.*, 2001. Hungary (I): Sziraki, 2001. Italy (I): Locatelli & Limonta, 2002b.  
*Mesopsocus unipunctatus* (Müller). Czech Republic (I): Holusa, 2001a. Germany (I): Schneider *et al.*, 2001. Great Britain (I): Saville, 2001b (phenol.). Italy (I): Locatelli & Limonta, 2002b. Luxembourg (I): Schneider, 2001.  
*Mesopsocus wardi* Meinander. Canary Islands (II): Baz & Zurita, 2001.  
*Psoculus neglectus* (Roesler). Canary Islands (II): Baz & Zurita, 2001.

### Hemipsocidae

*Hemipsocus* Selys-Longchamps. Morph.: Yoshizawa, 2002e.  
*Hemipsocus chloroticus* (Hagen). Genet.: Shao *et al.*, 2001.  
*Hemipsocus africanus* Enderlein. Nicaragua (IV): Garcia Aldrete, 2001f.

### Psocidae

Biogeography: Endang *et al.*, 2002 (Indonesian Psocidae).

#### Amphigerontiinae

*Amphigerontia* spec. Nicaragua (IV): Garcia Aldrete, 2001f.  
*Amphigerontia bifasciata* (Latreille). Czech Republic (I): Holusa, 2001a. Germany (I): Schneider *et al.*, 2001. Great Britain (I): Saville, 2001b (phenol.). Italy (I): Locatelli & Limonta, 2002b.  
*Amphigerontia contaminata* (Stephens). Germany (I): Schneider *et al.*, 2001. Great Britain (I): Saville, 2001b (phenol.). Italy (I): Locatelli & Limonta, 2002b. Canary Islands (II): Baz & Zurita, 2001.  
*Amphigerontia intermedia* (Tetens). Finland (I): Silfverberg, 2001.  
*Amphigerontia lata* Enderlein. Indonesia (VIII): Endang *et al.*, 2002.  
*Anomaloblaste*\*\* Endang Sri Kentjonowati, Thornton & New, 2002: 120. Gender: F. Type species: *Anomaloblaste spinivalva* Endang Sri Kentjonowati, Thornton & New.  
*Anomaloblaste spinivalva*\* Endang Sri Kentjonowati, Thornton & New, 2002: 120. Indonesia (VIII).  
*Anomaloblaste treubia*\* Endang Sri Kentjonowati, Thornton & New, 2002: 120. Indonesia (VIII).  
*Blaste* spec. Nicaragua (IV): Garcia Aldrete, 2001f.  
*Blaste binotata* (Enderlein). Indonesia (VIII): Endang *et al.*, 2002.  
*Blaste bistrinata* Schmidt & Thornton. Australia (IX): Williams, 2002.  
*Blaste conspurcata* (Rambur). Hungary (I): Sziraki, 2001.  
*Blaste falcifer* Smithers. Australia (IX): Williams, 2002.  
*Blaste lignicola* (Enderlein). Australia (IX): Williams, 2002.  
*Blaste taylori* New. Australia (IX): Williams, 2002.  
*Blaste tillyardi* Smithers. Australia (IX): Williams, 2002.  
*Blastopsocus* spec. Nicaragua (IV): Garcia Aldrete, 2001f.  
*Indoblaste discoloba*\* Endang Sri Kentjonowati, Thornton & New, 2002: 112. Indonesia (VIII).  
*Indoblaste lawuensis*\* Endang Sri Kentjonowati, Thornton & New  
*Indoblaste lawuense* [sic!] Endang Sri Kentjonowati, Thornton & New, 2002: 111. Indonesia (VIII).

*Indoblaste lienhardi* Endang Sri Kentjonowati & Thornton. Indonesia (VIII): Endang *et al.*, 2002.  
*Indoblaste sastrawani* Endang Sri Kentjonowati & Thornton. Indonesia (VIII): Endang *et al.*, 2002.  
*Javablaste*\*\* Endang Sri Kentjonowati, Thornton & New, 2002: 121. Gender: F. Type species: *Javablaste aidab*  
 Endang Sri Kentjonowati, Thornton & New.  
*Javablaste* spec. Indonesia (VIII): Endang *et al.*, 2002.  
*Javablaste aidab*\* Endang Sri Kentjonowati, Thornton & New, 2002: 122. Indonesia (VIII).  
*Javablaste merapiensis*\* Endang Sri Kentjonowati, Thornton & New, 2002: 122. Indonesia (VIII).  
*Kaindipsocus emarginatus* Smithers. Australia (IX): Williams, 2002.  
*Kaindipsocus marksae* Smithers. Australia (IX): Williams, 2002.  
*Lasiopsocus hollowayi* Smithers. Australia (IX): Williams, 2002.  
*Neoblaste alticola* Thornton. Indonesia (VIII): Endang *et al.*, 2002.  
*Neoblaste brunnea* Endang Sri Kentjonowati & Thornton. Indonesia (VIII): Endang *et al.*, 2002.  
*Neoblaste complexa*\* Endang Sri Kentjonowati, Thornton & New, 2002: 118. Indonesia (VIII).  
*Neoblaste cubitalis* (Enderlein). Indonesia (VIII): Endang *et al.*, 2002.  
*Neoblaste javensis*\* Endang Sri Kentjonowati, Thornton & New  
*Neoblaste javense* [sic!] Endang Sri Kentjonowati, Thornton & New, 2002: 114. Indonesia (VIII).  
*Neoblaste parasetosa*\* Endang Sri Kentjonowati, Thornton & New, 2002: 117. Indonesia (VIII).  
*Neoblaste soehardjani*\* Endang Sri Kentjonowati, Thornton & New, 2002: 116. Indonesia (VIII).  
*Neoblaste timorensis*\* Endang Sri Kentjonowati, Thornton & New  
*Neoblaste timorensis* [sic!] Endang Sri Kentjonowati, Thornton & New, 2002: 118. Indonesia (VIII).

#### Psocinae

##### Cerastipsocini

*Cerastipsocus trifasciatus* (Provancher). Nicaragua (IV): Garcia Aldrete, 2001f.  
*Cervopsocus medialis* New. Belize (IV): Garcia Aldrete, 2001d.  
*Clematoscenea lemniscata* (Enderlein). Indonesia (VIII): Endang *et al.*, 2002.  
*Dinopsocus atratus* Banks. Indonesia (VIII): Endang *et al.*, 2002. NOTE: The authors don't mention any new record from Indonesia. On the island of Borneo this species has only been recorded from the Malaysian part (cf. Banks, 1920: Sandakan). As far as I know, Sandakan (Sabah) is the only exact locality from Borneo mentioned in the literature; the species is also known from the Philippines (cf. Lienhard & Smithers, 2002: p. 400).  
*Psococerastis* spec. Nicaragua (IV): Garcia Aldrete, 2001f.  
*Psococerastis annae* Thornton. Indonesia (VIII): Endang *et al.*, 2002.  
*Psococerastis aspinosa*\* Endang Sri Kentjonowati, Thornton & New, 2002: 127. Indonesia (VIII).  
*Psococerastis bispinosa*\* Endang Sri Kentjonowati, Thornton & New, 2002: 128. Indonesia (VIII).  
*Psococerastis capitata* (Okamoto). *Psocus capitatus* Okamoto. Deposition of type: Yoshizawa, 2002b (as *P. capitatus*, incorrect spelling) (Hokkaido University Insect Collection).  
*Psococerastis ficivorella* (Okamoto). *Amphigerontia ficivorella* Okamoto. Deposition of type: Yoshizawa, 2002b (Hokkaido University Insect Collection).  
*Psococerastis gibbosa* (Sulzer). Germany (I): Schneider *et al.*, 2001. Great Britain (I): Saville, 2001b (phenol.). Hungary (I): Sziraki, 2001. Italy (I): Locatelli & Limonta, 2002b. Anat.: Emeljanov *et al.*, 2001.  
*Psococerastis lifashengi*\* Endang Sri Kentjonowati, Thornton & New, 2002: 126. Indonesia (VIII).  
*Psococerastis lombokensis* (Navas). Indonesia (VIII): Endang *et al.*, 2002.  
*Psococerastis luroris* (Soehardjan & Hamann). Indonesia (VIII): Endang *et al.*, 2002.  
*Psococerastis mali* (Okamoto). *Psocus mali* Okamoto. Deposition of type: Yoshizawa, 2002b (Hokkaido University Insect Collection).  
*Psococerastis nubila* (Enderlein). Morph.: Yoshizawa & Saigusa, 2001 (Figs 2 and 9A).  
*Psocus grandis* Okamoto. Deposition of type: Yoshizawa, 2002b (Hokkaido University Insect Collection).  
*Psococerastis opulenta* (Navas). Nicaragua (IV): Garcia Aldrete, 2001f.  
*Setopsocus hirsutus* (New). Endang *et al.*, 2002: 129 (from *Psocidus*; further description). Indonesia (VIII).

##### Cycetini

*Cycetes thyrsophoroides* Enderlein. Indonesia (VIII): Endang *et al.*, 2002.

##### Metylophorini

*Metylophorus* spec. Nicaragua (IV): Garcia Aldrete, 2001f.  
*Metylophorus elongatus*\* Endang Sri Kentjonowati, Thornton & New, 2002: 133. Indonesia (VIII).  
*Metylophorus javensis*\* Endang Sri Kentjonowati, Thornton & New, 2002: 136. Indonesia (VIII).  
*Metylophorus latespinosus*\* Endang Sri Kentjonowati, Thornton & New, 2002: 135. Indonesia (VIII).  
*Metylophorus lisae* Thornton. Indonesia (VIII): Endang *et al.*, 2002 (further description).  
*Metylophorus nebulosus* (Stephens). Germany (I): Schneider *et al.*, 2001. Great Britain (I): Saville, 2001b (phenol.). Hungary (I): Sziraki, 2001. Italy (I): Locatelli & Limonta, 2002b.  
*Sigmatoneura* Enderlein. Morph.: Yoshizawa, 2002e (erroneously called *Psocidus* on p. 373, cf. Yoshizawa *in litt.* 2002).  
*Sigmatoneura basalis* Endang Sri Kentjonowati & Thornton. Indonesia (VIII): Endang *et al.*, 2002.  
*Sigmatoneura formosa* (Banks). Australia (IX): Williams, 2002.

*Sigmatoneura kolbei* (Enderlein). Indonesia (VIII): Endang *et al.*, 2002. – *Cerastipsocus singularis* Okamoto. Deposition of type: Yoshizawa, 2002b (Hokkaido University Insect Collection).  
*Sigmatoneura mitsuhashiana* (Okamoto). *Psocus mitsuhashianus* Okamoto. Deposition of type: Yoshizawa, 2002b (Hokkaido University Insect Collection).  
*Sigmatoneura scitula* Smithers & Thornton. Indonesia (VIII): Endang *et al.*, 2002.  
*Sigmatoneura subcostalis* (Enderlein). Indonesia (VIII): Endang *et al.*, 2002.

#### Psocini

*Atrichadenotecnum nebulosum* (Vaughan, Thornton & New). Endang *et al.*, 2002: 141 (from *Trichadenotecnum*; further description). Indonesia (VIII).  
*Atrichadenotecnum umbratum* (New). Endang *et al.*, 2002: 143 (from *Trichadenotecnum*). Malaysia (VIII).  
*Atrichadenotecnum yoshizawai*\* Endang Sri Kentjonowati, Thornton & New, 2002: 142. Indonesia (VIII).  
*Psocidus* Pearman. See tribe Ptyctini.  
*Psocus* Latreille. Morph.: Yoshizawa, 2002e.  
*Psocus bipunctatus* (Linnaeus). Germany (I): Schneider *et al.*, 2001. Hungary (I): Sziraki, 2001. Biol.: Braig *et al.*, 2002 (parthenogenesis).

#### Ptyctini

*Atlantopsocus adustus* (Hagen). Canary Islands (II): Baz & Zurita, 2001.  
*Atlantopsocus personatus* (Hagen). Canary Islands (II): Baz & Zurita, 2001.  
*Atlantopsocus semicircularis* Baz. Canary Islands (II): Baz & Zurita, 2001.  
*Atlantopsocus triangularis* Meinander. Canary Islands (II): Baz & Zurita, 2001.  
*Clematostigma hyalinum* (Okamoto). *Copostigma hyalinum* Okamoto. Deposition of type: Yoshizawa, 2002b (Hokkaido University Insect Collection).  
*Clematostigma lunulatum* Schmidt & Thornton. Australia (IX): Williams, 2002. Genet.: Shao *et al.*, 2001.  
*Clematostigma maculiceps* (Enderlein). Australia (IX): Williams, 2002.  
*Clematostigma sasmoko*\* Endang Sri Kentjonowati, Thornton & New, 2002: 144. Indonesia (VIII).  
*Clematostigma striatum* Schmidt & Thornton. Australia (IX): Williams, 2002.  
*Clematostigma subcostale* (Okamoto). *Copostigma subcostale* Okamoto. Deposition of type: Yoshizawa, 2002b (Hokkaido University Insect Collection).  
*Indiopsocus* spec. Nicaragua (IV): Garcia Aldrete, 2001f.  
*Javapsocus*\*\* Endang Sri Kentjonowati, Thornton & New, 2002: 168. Gender: M. Type species: *Javapsocus intimadentatus* Endang Sri Kentjonowati, Thornton & New.  
*Javapsocus* spec. Indonesia (VIII): Endang *et al.*, 2002.  
*Javapsocus intimadentatus*\* Endang Sri Kentjonowati, Thornton & New, 2002: 168. Indonesia (VIII).  
*Javapsocus smithersi*\* Endang Sri Kentjonowati, Thornton & New, 2002: 171. Indonesia (VIII).  
*Javapsocus soegiri*\* Endang Sri Kentjonowati, Thornton & New, 2002: 169. Indonesia (VIII).  
*Javapsocus ungulatus*\* Endang Sri Kentjonowati, Thornton & New, 2002: 170. Indonesia (VIII).  
*Loensia fasciata* (Fabricius). Germany (I): Schneider *et al.*, 2001. Great Britain (I): Saville, 2001b (phenol.). Italy (I): Locatelli & Limonta, 2002b.  
*Loensia pearmani* Kimmins. Hungary (I): Sziraki, 2001.  
*Loensia variegata* (Latreille). Germany (I): Schneider *et al.*, 2001. Luxembourg (I): Schneider, 2001.  
*Psocidus* Pearman (s. str.). Tentatively assigned to Psocini: Endang *et al.*, 2002.  
*Psocidus* (s. str.) *apertus* Thornton. Indonesia (VIII): Endang *et al.*, 2002.  
*Psocidus* (s. l.) *flavonimbatus* (Rostock). Redescription: Lienhard & Kanervo, 2002: 59 (as *Psocus flavonimbatus* Rostock, generic placement uncertain). Finland (I).  
*Psocidus* (s. l.) *formosanus* (Okamoto). *Psocus formosanus* Okamoto. Deposition of type: Yoshizawa, 2002b (Hokkaido University Insect Collection).  
*Psocidus* (s. str.) *lobatus* Endang Sri Kentjonowati & Thornton. Assigned to *Psocidus* Pearman s. str.: Endang *et al.*, 2002. Indonesia (VIII).  
*Psocidus* (s. str.) *murphyi* New. Indonesia (VIII): Endang *et al.*, 2002.  
*Psocidus* (s. l.) *pellucidus* (Okamoto). *Psocus pellucidus* Okamoto. Deposition of type: Yoshizawa, 2002b (Hokkaido University Insect Collection).  
*Psocidus* (s. l.) *peregrans* Vaughan, Thornton & New. Probably a species of *Ptycta* Enderlein: Endang *et al.*, 2002: 145. Indonesia (VIII).  
*Psocidus* (s. str.) *proctus* Vaughan, Thornton & New. Assigned to *Psocidus* Pearman s. str.: Endang *et al.*, 2002. Indonesia (VIII).  
*Psocidus* (s. str.) *reidi* Thornton. Assigned to *Psocidus* Pearman s. str.: Endang *et al.*, 2002. Indonesia (VIII).  
*Psocidus* (s. str.) *segmentatus* Endang Sri Kentjonowati & Thornton. Assigned to *Psocidus* Pearman s. str.: Endang *et al.*, 2002. Indonesia (VIII).  
*Psocidus* (s. l.) *tateokanus* (Okamoto). *Psocus tateokanus* Okamoto. Deposition of type: Yoshizawa, 2002b (Hokkaido University Insect Collection).  
*Psocidus* (s. str.) *tergatus* Endang Sri Kentjonowati & Thornton. Assigned to *Psocidus* Pearman s. str.: Endang *et al.*, 2002. Indonesia (VIII).  
*Psocidus* (s. str.) *validus* Thornton. Indonesia (VIII): Endang *et al.*, 2002.

- Ptycta* spec. Nicaragua (IV): Garcia Aldrete, 2001f.
- Ptycta afasciata*\* Endang Sri Kentjonowati, Thornton & New, 2002: 152. Indonesia (VIII).
- Ptycta campbelli* Schmidt & Thornton. Australia (IX): Williams, 2002.
- Ptycta distincta* Smithers & Thornton. Probably a species of *Psocidus* Pearman s. str.: Endang *et al.*, 2002: 139.
- Ptycta emarginata* New. Australia (IX): Williams, 2002.
- Ptycta floresensis*\* Endang Sri Kentjonowati, Thornton & New  
*Ptycta floresense* [sic!] Endang Sri Kentjonowati, Thornton & New, 2002: 149. Indonesia (VIII).
- Ptycta frontalis* Thornton. Indonesia (VIII): Endang *et al.*, 2002.
- Ptycta krakatau* Vaughan, Thornton & New. Indonesia (VIII): Endang *et al.*, 2002.
- Ptycta merapiensis*\* Endang Sri Kentjonowati, Thornton & New  
*Ptycta merapiense* [sic!] Endang Sri Kentjonowati, Thornton & New, 2002: 151. Indonesia (VIII).
- Ptycta pitallo*\* Endang Sri Kentjonowati, Thornton & New, 2002: 153. Indonesia (VIII).
- Ptycta precincta* Thornton. Indonesia (VIII): Endang *et al.*, 2002.
- Ptycta schillei* (Enderlein). Indonesia (VIII): Endang *et al.*, 2002.
- Ptycta serrata*\* Endang Sri Kentjonowati, Thornton & New, 2002: 147. Indonesia (VIII).
- Ptycta tapensis*\* Endang Sri Kentjonowati, Thornton & New  
*Ptycta tapense* [sic!] Endang Sri Kentjonowati, Thornton & New, 2002: 148. Indonesia (VIII).
- Ptycta timorensis*\* Endang Sri Kentjonowati, Thornton & New  
*Ptycta timorensis* [sic!] Endang Sri Kentjonowati, Thornton & New, 2002: 150. Indonesia (VIII).
- Ptycta tsutsumii* New & Thornton. Indonesia (VIII): Endang *et al.*, 2002.
- Ptycta umbrata* New. Australia (IX): Williams, 2002.
- Trichadenotecnum* Enderlein. Genus definition, species groups: Yoshizawa, 2001a.
- Trichadenotecnum* spec. Nicaragua (IV): Garcia Aldrete, 2001f.
- Trichadenotecnum adika*\* Endang Sri Kentjonowati, Thornton & New, 2002: 166. Indonesia (VIII).
- Trichadenotecnum album*\* Yoshizawa, 2001a: 164. Japan (VIII).
- Trichadenotecnum alexanderiae* Sommerman. USA (III): Yoshizawa, 2001a. Japan (VIII): Yoshizawa, 2001a. Biol.: Braig *et al.*, 2002 (parthenogenesis).
- Trichadenotecnum alinguum*\* Endang Sri Kentjonowati, Thornton & New, 2002: 163. Indonesia (VIII).
- Trichadenotecnum amamiense*\* Yoshizawa, 2001a: 174. Japan (VIII).
- Trichadenotecnum bidens* Thornton. Indonesia (VIII): Endang *et al.*, 2002.
- Trichadenotecnum bidentatum* Thornton. Indonesia (VIII): Endang *et al.*, 2002.
- Trichadenotecnum bromoense*\* Endang Sri Kentjonowati, Thornton & New  
*Trichadenotecnum bromoensis* [sic!] Endang Sri Kentjonowati, Thornton & New, 2002: 157. Indonesia (VIII).
- Trichadenotecnum castum* Betz. USA (III): Yoshizawa, 2001a. Japan (VIII): Yoshizawa, 2001a. Biol.: Braig *et al.*, 2002 (parthenogenesis).
- Trichadenotecnum cheahae*\* Endang Sri Kentjonowati, Thornton & New, 2002: 166. Indonesia (VIII).
- Trichadenotecnum circularoides* Badonnel. Japan (VIII): Yoshizawa, 2001a.
- Trichadenotecnum enderleini* (Roesler). Australia (IX): Williams, 2002.
- Trichadenotecnum falx*\* Yoshizawa, 2001a: 193. Japan (VIII).
- Trichadenotecnum furcilingum*\* Yoshizawa, 2001a: 197. Japan (VIII).
- Trichadenotecnum fuscipenne*\* Yoshizawa  
*Trichadenotecnum fuscipennis* [sic!] Yoshizawa, 2001a: 199. Japan (VIII).
- Trichadenotecnum galih*\* Endang Sri Kentjonowati, Thornton & New, 2002: 159. Indonesia (VIII).
- Trichadenotecnum hammani*\* Endang Sri Kentjonowati, Thornton & New, 2002: 161. Indonesia (VIII).
- Trichadenotecnum incognitum* Roesler. Switzerland (I): Yoshizawa, 2001a (from Engadine Valley, misspelled Engachine V.). Japan (VIII): Yoshizawa, 2001a. Russia (VIII): Yoshizawa, 2001a.
- Trichadenotecnum innuptum* Betz. Biol.: Braig *et al.*, 2002 (parthenogenesis).
- Trichadenotecnum krucilense*\* Endang Sri Kentjonowati, Thornton & New  
*Trichadenotecnum krucilensis* [sic!] Endang Sri Kentjonowati, Thornton & New, 2002: 165. Indonesia (VIII).
- Trichadenotecnum kumejimense*\* Yoshizawa, 2001a: 180. Japan (VIII).
- Trichadenotecnum latebrachium*\* Yoshizawa, 2001a: 181. Japan (VIII).
- Trichadenotecnum laticornutum*\* Endang Sri Kentjonowati, Thornton & New, 2002: 158. Indonesia (VIII).
- Trichadenotecnum magnomixtum*\* Yoshizawa, 2001a: 173. Japan (VIII).
- Trichadenotecnum majus* (Kolbe). Germany (I): Schneider *et al.*, 2001. Great Britain (I): Saville, 2001b (phenol.). Hungary (I): Sziraki, 2001. Italy (I): Locatelli & Limonta, 2002b.
- Trichadenotecnum malayense* New. Indonesia (VIII): Endang *et al.*, 2002.
- Trichadenotecnum merum* Betz. Biol.: Braig *et al.*, 2002 (parthenogenesis).
- Trichadenotecnum mixtum*\* Yoshizawa, 2001a: 172. Japan (VIII).
- Trichadenotecnum nothoapertum*\* Yoshizawa, 2001a: 190. Japan (VIII).
- Trichadenotecnum okinawense*\* Yoshizawa, 2001a: 176. Japan (VIII).
- Trichadenotecnum pardus* Badonnel  
Indonesia (VIII): Endang *et al.*, 2002 (as *T. pardidum* Thornton). Japan (VIII): Yoshizawa, 2001a (as *T. pardidum* Thornton).
- Trichadenotecnum pseudomedium*\* Yoshizawa, 2001a: 183. Japan (VIII).  
This species has been illustrated under the name *T. medium* by Yoshizawa (1996d: photograph) (Yoshizawa,

personal communication, 2002; see also below, chapter 4: "Corrections").

- Trichadenotecnum quadrispinosum*\* Endang Sri Kentjonowati, Thornton & New, 2002: 167. Indonesia (VIII).  
*Trichadenotecnum rachimi* Endang Sri Kentjonowati & Thornton. Indonesia (VIII): Endang *et al.*, 2002.  
*Trichadenotecnum santosai* Endang Sri Kentjonowati & Thornton. Indonesia (VIII): Endang *et al.*, 2002.  
*Trichadenotecnum sexpunctatum* (Linnaeus). Czech Republic (I): Holusa, 2001a. Germany (I): Schneider *et al.*, 2001. Great Britain (I): Saville, 2001b (phenol.). Hungary (I): Sziraki, 2001. Italy (I): Locatelli & Limonta, 2002b. Luxembourg (I): Schneider, 2001. This species does not occur in Japan: Yoshizawa, 2001a.  
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*Trichadenotecnum soekarmanni*\* Endang Sri Kentjonowati, Thornton & New, 2002: 160. Indonesia (VIII).  
*Trichadenotecnum soenarti*\* Endang Sri Kentjonowati, Thornton & New, 2002: 162. Indonesia (VIII).  
*Trichadenotecnum takahashii*\* Yoshizawa, 2001a: 169. Japan (VIII).  
*Trichadenotecnum vaughani*\* Endang Sri Kentjonowati, Thornton & New, 2002: 164. Indonesia (VIII).  
*Trichadenotecnum yaeyamense*\* Yoshizawa, 2001a: 184. Japan (VIII).  
*Trichadenotecnum yamatomajus*\* Yoshizawa, 2001a: 188. Japan (VIII).  
*Trichadenotecnum yonaguniense*\* Yoshizawa, 2001a: 179. Japan (VIII).

### Psilopsocidae

*Psilopsocus* Enderlein. Morph.: Yoshizawa, 2002e.

### Myopsocidae

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*Lichenomima* spec. Nicaragua (IV): Garcia Aldrete, 2001f.  
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### 3. Additions to the Bibliography

Remarks:

Each number of "Psocid News" is separately quoted under Yoshizawa (ed.). Selected references to some particularly interesting contributions published in these newsletters can also be found under the authors' names (e. g. Mockford, 2002b; Yoshizawa, 2002d).

Cross-references to all authors are made as in the 2002-bibliography, cross-references to editors however are only made for the first editor in cases where there are more than one editor (e. g. Banks, H. J. *et al.* 1998; Sidik, M. *et al.* 1997).

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#### 4. Corrections to Lienhard & Smithers, 2002

Page xxx (footnote):

Replace the reference Anonymous 1989 by Morimoto, 1989. (See above: "Additions to the Bibliography").

Page xxxv: line 4

(...have been integrated into the catalogue, except for Yoshizawa, 1999a, see remark on p. x).

Page 49:

*Scoliopteryx* Enderlein: Synonymy: Ball, 1936: 398.

Page 228:

***Lachesilla anura***: Delete Guinea for the original description and add the following line:  
Description of male (*anura*?): Badonnel, 1948a: 85. Guinea (VI).

Page 385:

***Blaste osella*** Lienhard (***Euclismia***)  
*Blaste (Euclismia) osella* Lienhard, 1987b....

Page 479:

*Festona* Navas, 1922d: 59.... Synonymy: Navas, 1934c: 8.

Corrections for some "Non-Japanese" species:

*Caecilius similis* (p. 136), *Stenopsocus makii* (p. 202): Delete Japan and place the reference Tsutsumi, 1965 under Taiwan.

*Taeniosigma ingens* (p. 215), *Clematostigma hyalinum* (p. 428), *Clematostigma subcostale* (p. 429), *Lophopterygella camelina* (p. 479): These species are mentioned for Japan based on Tomita & Haga, 1991 (A checklist of Psocoptera from Japan). According to Yoshizawa (pers. comm. and Internet-Checklist of Japanese Psocoptera, <http://insect3.agr.hokudai.ac.jp/psoco-web/psoc.html>, update 1 Oct. 2002) they have not been recorded from present-day Japan. A critical analysis of the literature sources which are at the basis of this confusion will be made in a future paper on the Japanese fauna by Yoshizawa himself.

*Trichadenotecnum medium* (p. 467): Delete Japan, where the species has not been recorded. Yoshizawa (1996d: photograph) illustrates the Japanese species *T. pseudomedium* Yoshizawa, 2001 (see above: "Additions to the Catalogue") using erroneously the name *T. medium*.

Page 496:

Delete the reference "Anonymous 1989", it is replaced by the above mentioned reference "Morimoto, 1989" (cf. correction on p. xxx and "Additions to the Bibliography").

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### **Next issue**

About August 2003. Please let me have all contributions by July 31 2003 if possible. I look forward to hearing from you.

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