

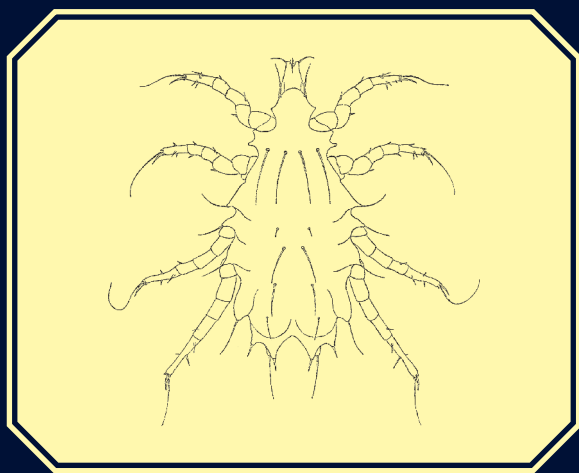
ACARORUM CATALOGUS

IX

ACARIFORMES

Acaridida

Petar Beron



ACARORUM CATALOGUS

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ACARORUM CATALOGUS IX

**Acariformes
Acaridida**

**Schizoglyphoidea (Schizoglyphidae)
Histiostomatoidea (Histiostomatidae,
Guanolichidae)**

Canestrinioidea (Canestriniidae, Chetochelacaridae, Lophonotacaridae, Heteroptidae)

**Hemisarcoptoidea (Chaetodactylidae,
Hyadesiidae, Algophagidae, Hemisarcoptidae,
Carpoglyphidae, Winterschmidtidae)**

Petar Beron

**Pensoft
National Museum of Natural History, Sofia
Bulgarian Academy of Sciences**

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2021**

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Petar Beron

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Introduction

The present 9th volume of the series *Acarorum Catalogus* contains lists of mites of 13 families, 225 genera and 1268 species of the superfamilies Schizoglyphoidea, Histiotomatoidea, Canestrinioidea and Hemisarcoptoidea. Most of these mites live on insects or other animals (as parasites, phoretic or commensals), some inhabit rotten plant material, dung or fungi. Mites of the families Chetochelacaridae and Lophonotacaridae are specialised to live with Myriapods (Diplopoda). The peculiar aquatic or intertidal mites of the families Hyadesidae and Algophagidae are also included.

Acariformes, Acaridida

The Mite Superfamily Schizoglyphoidea

Contains so far only one family of mites, found in New Guinea on Coleoptera. The postnymphal stage remains unknown.

The Mite Family Schizoglyphidae

Schizoglyphidae Mahunka, 1978: 115

Monotypic genus of mites found on Tenebrionidae beetles.

Catalogue of Schizoglyphidae

Fam. **Schizoglyphidae**

Schizoglyphidae Mahunka, 1978: 115

Type genus: *Schizoglyphus* Mahunka, 1978

Genus ***Schyzoglyphus*** Mahunka

Schyzoglyphus Mahunka, 1978: 115

Type species: *Schizoglyphus biroi* Mahunka, 1978

Schizoglyphus biroi Mahunka

Schizoglyphus biroi Mahunka, 1978: 115

Type locality: Geelvink [Bay]

Distribution: Indonesia (Western New Guinea)

Host: *Tagalus tibialis* (Coleoptera: Tenebrionidae)

Index of Schyzoglyphidae

(Names in **bold** are accepted as valid)

biroi, *Schizoglyphus* 10
Schizoglyphidae 10

Schizoglyphus 10
Schizoglyphoidea 10

Distribution of Schizoglyphidae

Indonesia (Mahunka, 1978) – *Schizoglyphus biroi* [Western New Guinea]

Hosts of Schizoglyphidae

Insecta

Coleoptera

Fam. Tenebrionidae

Tagalus tibialis – *Schizoglyphus biroi*

Bibliography of Schizoglyphidae

Mahunka S. 1978. Schizoglyphidae fam. n. and new taxa of Acaridae and Anoetidae (Acar: Acarida). – Acta Zoologica Academiae Scientiarum Hungaricae, **24**(1–2): 115.

The Mite Superfamily Histiostomatoidea (Anoetoidea)

The Superfamily contains only one family - Histiosomatidae (Anoetidae).

The Mite Family Histiosomatidae (Anoetidae)

Histiosomatidae Berlese, 1897

Anoetidae Oudemans, 1904; Hughes & Jackson, 1958

Small or middle-sized mites (250–900 µm), living in rotten plant material, in the dung and fungi, some of them on animals (Hirudinea, Crustacea, Myriapoda, Insecta, Mammalia). Their study starts with the description of *Hypopus feroniarum* Dufour, 1839, *Hypopus alicola* Dujardin, 1842 and the first genera *Anoetus* Dujardin, 1842 and *Histiotoma* Kramer, 1876. Follow the many publications of Oudemans, who described in 1904 the family Anoetidae. However, OConnor (1984) insisted that the family name Histiosomatidae Berlese, 1897 antedates Anoetidae Oudemans, 1904, and since than the widely known name Anoetidae has been replaced. Vitzthum (1931) composed

the review of 10 genera of Anoetidae. Two revisions of the family took place almost simultaneously: of Scheucher (1957) and of Hughes & Jackson (1958). Until the revision of Scheucher (1957) only 12 valid genera have been described, seven of them by Oudemans: *Anoetus* Dujardin, 1842, *Histiostoma* Kramer, 1876, *Zwickia* Oudemans, 1924, *Anoetoglyphus* Vitzthum, 1927, *Glyphanoetus* Oudemans, 1929, *Myianoetus* Oudemans, 1929, *Seliea* Oudemans, 1929, *Munduytia* Oudemans, 1929, *Cederhjelmia* Oudemans, 1931, *Creutzeria* Oudemans, 1932, *Chiropteranoetus* Womersley, 1942, *Prowichmannia* Radford, 1950. From the 45 genera described after 1950 16 are due to A. Fain and co-authors and 20 to S. Mahunka and co-authors (most of them monospecific). The other major contributors are Sevastyanov, O'Connor, Southcott, Fashing, Woodring, Samšinák, Nesbitt, Ashfaq & Sarwar, Ashfaq, Chaudhri & Aheer, Eraky, and others. From the 58 genera 34 are monotypic. Only six genera include more than 10 sp. – *Histiostoma* (236), *Anoetus* (93), *Myianoetus* (48), *Anoetoglyphus* (15), *Glyphanoetus* (14), and *Rhopalanoetus* (11).

Still exists the *Anoetus* – *Histiostoma* problem. According to Woodring & Moser (1970), "...there is sufficient distinction between the concept of *Anoetus* and *Histiostoma* to warrant the maintenance of the separate groups at the generic level. In this case the older name *Anoetus* has priority over *Histiostoma*, and *Histiostoma* Kramer, 1876 must be synonymized under *Anoetus* Dujardin, 1842, which is the type and name-bearing genus of the family Anoetidae". However, for Sevastianov (1975) *Histiostoma* is junior homonym of *Anoetus*.

Composition of Histiostomatidae (Anoetidae)

Fam. **Histiostomatidae** (Anoetidae) - 58 gen., 522 sp.

Subfam. **Ceylanoetinae** Mahunka, 1974–6 gen., 15 sp.

Ceylanoetus Mahunka, 1974–1 sp.

Chiropteranoetus Womersley, 1942–1 sp.

Conglanoetus Mahunka, 1978 (= *Comyianoetus* Fain et Philips, 1979) – 3 sp.

Capronomoia Mahunka, 1976–7 sp.

Creutzeria Oudemans, 1932–2 sp.

Curculanoetus Fain, 1974–1 sp.

Subfam. **Fibulanoetinae** Fain, Camerik, Lukoschus et Kniest, 1980–3 gen., 18 sp.

Fibulanoetus Mahunka, 1973–3 sp.

Ghanoetus Mahunka, 1973–1 sp.

Glyphanoetus Oudemans, 1929–14 sp.

Subfam. **Histiostomatinae** Berlese, 1897 (Anoetinae Oudemans, 1904) - 46 gen.,

489 sp.

Ameranoetus Ide et Mahunka, 1978–1 sp.

- Amyzanoetus* Fain, 1976–1 sp.
Ancyranoetus Fain et Santiago-Blay, 1993–1 sp.
Anoetoglyphus Vitzthum, 1927–15 sp.
Anoetus Dujardin, 1842–93 sp. (?) (= *Nodipalpus* Karpelles, 1893)
Aphodanoetus Bongers, OConnor et Lukoschus, 1985–1 sp.
Auricanoetus Fain et Zumpt, 1974–1 sp.
Austranoetus Fain, 1976–1 sp.
Bonomoia Oudemans, 1911–9 sp.
Bothyanoetus Fain et Camerik, 1978–1 sp.
Cederhjelmia Oudemans, 1931–1 sp.
Chiloanoetus Fain, 1974–1 sp.
Hauserania Mahunka, 1972–2 sp.
Hexanoetus Fain et Philips, 1979–1 sp.
Histiostoma Kramer, 1876–236 sp.
 Cavanoetus Mahunka, 1982
 Histiostoma Kramer, 1876
 Ichtanoetus Fain et Belpaire, 1985
Hormosianoetus Fain, 1980–1 sp.
Hymenanoetus Mahunka, 1963–1 sp.
Insulanoetus Sevastyanov, 1973–1 sp.
Kanoetus Samšinák, 1966–3 sp.
Kaszabanoetus Mahunka, 1976–1 sp.
Loxanoetus Fain, 1970–2 sp.
Munduytia Oudemans, 1929–1 sp.
Nepenthacarus Fashing, 2002–1 sp.
Otanoetus Fain et Zumpt, 1974–1 sp.
Ovanoetus Fain et van Goethem, 1985–1 sp.
Peripatetes Mahunka, 1976–1 sp.
Porrhanoetus Mahunka, 1963–1 sp.
Probonomoia Fain et Rack, 1987–9 sp.
Prowichmannia Radford, 1950–3 sp.
Psyllanoetus Fain et Beaucournu, 1973–3 sp.
Pteranoetus Mahunka, 1978–4 sp.
Rhaphidothrix Mahunka, 1967–3 sp.
Rhopalanoetus Scheucher, 1957–11 sp.
Richardanoetus Samšinák, 1989–1 sp.
Sarraceniopus Fashing et OConnor, 1984–3 sp.
Scheucheria Mahunka, 1969–1 sp.
Scutanoetus Mahunka, 1969–1 sp.
Seliea Oudemans, 1929–1 sp.

- Semianoetus* Mahunka, 1976–2 sp.
Stercoranoetus Mahunka et Mahunka-Papp, 1991–2 sp.
Synanoetus Mahunka, 1972–1 sp.
Syringanoetus Fain, 1980–2 sp.
Teinokyra Mahunka, 1973–1 sp.
Traskorchestianoetus Fain et Colloff, 1990–2 sp.
Xenanoetus Mahunka, 1969–5 sp.
Zwickia Oudemans, 1924–3 sp.
Subfam. **Myianoetinae** Scheucher, 1957–48 sp.
Myianoetus Oudemans, 1929–48 sp.
Subfam. **Scolianoetinae** Fain, 1974–5 sp.
Scolianoetus Fain, 1974–5 sp.
Subfam. **Spinanoetinae** Scheucher, 1957–4 sp.
Spinanoetus Scheucher, 1957–4 sp

Catalogue of Histiostomatidae

Family **Histiostomatidae** Berlese

Histiostomatidae Berlese, 1897

Anoetidae Oudemans, 1904: 191. Type: *Anoetus* Dujardin, 1842

Nodipalpidae Oudemans, 1923: 206

Kasabanoetinae Mahunka, 1976: 318

Type genus: *Histiostoma* Kramer, 1876

Subfamily **Ceylanoetinae** Mahunka

Ceylanoetinae Mahunka, 1974c: 507

Type genus: *Ceylanoetus* Mahunka, 1974

Glyphanoetinae Mahunka, 1972: 371

Type genus: *Glyphanoetus* Oudemans, 1929

Genus **Ceylanoetus** Mahunka

Ceylanoetus Mahunka, 1974c: 506

Type species: *Ceylanoetus excavatus* Mahunka, 1974

Ceylanoetus excavatus Mahunka

Ceylanoetus excavatus Mahunka, 1974c: 507

Type locality: Central, Mahaweli Ganga, “7 Meilen flussabwärts von Kandy”

Distribution: Sri Lanka

Genus ***Chiropteranoetus*** Womersley

Chiropteranoetus Womersley, 1942: 92

Type species: *Chiropteranoetus chalinolobus* Womersley, 1942

Chiropteranoetus chalinolobus Womersley

Chiropteranoetus chalinolobus Womersley, 1942: 92

Type locality: Australia

Distribution: Australia

Genus ***Conglanoetus*** Mahunka

Conglanoetus Mahunka, 1978: 143

Comyianoetus Fain & Philips 1979: 147 – Type: *Comyianoetus denticulatus* Fain et Philips, 1979

Type species: *Conglanoetus ornatofoveolatus* Mahunka, 1978

Conglanoetus denticulatus (Fain et Philips)

Comyianoetus denticulatus Fain & Philips, 1979: 147; Fain et al., 1993: 17

Conglanoetus denticulatus (Fain et Philips):

Type locality: Syracuse, N.Y.

Distribution: Norway, USA (N.Y.)

Host: nest of *Bubo bubo* and on *Trox scaber* (Coleoptera: Trogidae)

Conglanoetus ornatofoveolatus Mahunka

Conglanoetus ornatofoveolatus Mahunka, 1978: 143

Type locality: Oriente 00°24'S, 76°36'W, Limoncocha

Distribution: Ecuador

Host: *Labidus praedator* (Hymenoptera: Formicidae, Dorylinae)

Conglanoetus puteanus (Fain)

Comyianoetus puteanus Fain, in Fain, Vangeluwe, Degreef & Wauthy, 1993: 17

Conglanoetus puteanus (Fain):

Type locality: Belgium

Distribution: Belgium

Genus ***Capronomoia*** Mahunka

Capronomoia Mahunka, 1976b: 321

Type species: *Bonomoia sphaerocerae* Vitzthum, 1922

Capronomoia asper Ashfaq et Chaudhri

Capronomoia asper Ashfaq & Chaudhri, 1988: 355

Copronomoia asper Ashfaq & Sarwar, 2001: 129

Type locality: 5 km N of Faisalabad

Distribution: Pakistan

Capronomoia bellulus Ashfaq et Chaudhri

Capronomoia bellulus Ashfaq & Chaudhri, 1988: 352

Copronomoia bellulus: Ashfaq & Sarwar, 2001: 129

Type locality: 3 km W Murree

Distribution: Pakistan

Capronomoia gradatus Ashfaq et Sarwar

Copronomoia gradatus Ashfaq & Sarwar, 2001: 127

Type locality: Quetta

Distribution: Pakistan

Capronomoia mahunkai Eraky

Copronomoia mahunkai Eraky, 1999: 55; Abdelgayed et al., 2019: 32

Type locality: Assiut

Distribution: Egypt

Capronomoia pango Ashfaq et Chaudhri

Capronomoia pango Ashfaq & Chaudhri, 1988: 350

Copronomoia pango Ashfaq & Sarwar, 2001: 129

Type locality: 5 km east of Faisalabad

Distribution: Pakistan

Capronomoia sphaerocerae (Vitzthum)

Bonomoia sphaerocerae Vitzthum, 1922: 545; Scheucher, 1957: 365; Mahunka, 1970: 70

Capronomoia sphaerocerae (Vitzthum): Mahunka, 1976: 321

Type locality: Germany

Distribution: Germany, Hungary, Saudi Arabia, Syria

Hosts: *Sphaerocera subsultans* (Diptera: Sphaeroceridae [Syrphidae]); also on Borboridae, Scatophagidae and other Diptera.

Capronomoia trossis Ashfaq et Sarwar

Capronomoia trossis Ashfaq & Sarwar, 2001: 125

Type locality: Khanewal

Distribution: Pakistan

Genus ***Creutzeria*** Oudemans

Creutzeria Oudemans, 1932: 207

Type species: *Creutzeria tobaica* Oudemans, 1932

Creutzeria seychellensis Nesbitt*Creutzeria seychellensis* Nesbitt, 1979: 1202

Type locality: Seychelles

Distribution: Seychelles

Creutzeria tobaica Oudemans*Creutzeria tobaica* Oudemans, 1932: 207; Buitendijk, 1945: 363

Type locality: Haranggaol

Distribution: Indonesia

Genus ***Curculanoetus*** Fain*Curculanoetus* Fain, 1974: 66Type species: *Curculanoetus rhynchophorus* Fain, 1974***Curculanoetus rhynchophorus*** Fain*Curculanoetus rhynchophorus* Fain, 1974: 66

Type locality: Lemba nr. Kinshasa

Distribution: DR Congo

Host: *Rhynchophorus phoenicis* (Coleoptera: Curculionidae)Subfamily ***Fibulanoetinae*** Fain, Camerik, Lukoschus et Kniest*Fibulanoetinae* Fain, Camerik, Lukoschus & Kniest, 1980: 39Type genus: *Fibulanoetus* Mahunka, 1973Genus ***Fibulanoetus*** Mahunka*Fibulanoetus* Mahunka, 1973a: 102Type species: *Fibulanoetus labiatus* Mahunka, 1973***Fibulanoetus labiatus*** Mahunka*Fibulanoetus labiatus* Mahunka, 1973a: 102

Type locality: Meru

Distribution: Tanzania

Fibulanoetus longitarsus Fain, Camerik, Lukoschus et Kniest*Fibulanoetus longitarsus* Fain, Camerik, Lukoschus & Kniest, 1980: 42

Type locality: Thamaga

Distribution: Botswana

Host: *Scarabaeus galenus* (Coleoptera: Scarabaeidae)***Fibulanoetus mahunkai*** Fain, Camerik, Lukoschus et Kniest*Fibulanoetus mahunkai* Fain, Camerik, Lukoschus & Kniest, 1980: 41

Type locality: Mahalapye

Distribution: Botswana

Host: *Scarabaeus galenus* (Coleoptera: Scarabaeidae)

Genus ***Ghanoetus*** Mahunka

Ghanoetus Mahunka, 1973a: 104

Type species: *Ghanoetus marmoreus* Mahunka, 1973

Ghanoetus marmoreus Mahunka

Ghanoetus marmoreus Mahunka, 1973a: 104; 1975: 60

Type locality: Kumasi (Ghana)

Distribution: Gambia, Ghana

Genus ***Glyphanoetus*** Oudemans

Glyphanoetus Oudemans, 1929: 450

Type species: *Glyphanoetus fulmeki* Oudemans, 1929 (= *Hypopus phyllotrichus* Berlese, 1881)

Glyphanoetus africanus Mahunka

Glyphanoetus africanus Mahunka, 1967a: 172

Type locality: Kindamba, Meya, Bangu Forest

Distribution: Rep. of the Congo (Brazzaville)

Glyphanoetus brevisetus Mahunka

Glyphanoetus brevisetus Mahunka, 1963a: 38

Type locality: Cazombo (Alto Zambeze)

Distribution: Angola

Glyphanoetus eboris Fain

Glyphanoetus eboris Fain, 1974: 88

Type locality: La Savane de Lamto

Distribution: Ivory Coast

Glyphanoetus flagellatus Mahunka

Glyphanoetus flagellatus Mahunka, 1963d: 370

Type locality: Olkokola, nest of *Tachyoryctes* sp.

Distribution: Tanzania

Glyphanoetus incanus Ashfaq, Sarwar et Akbar

Glyphanoetus incanus Ashfaq, Sarwar & Akbar, 1999: 21

Type locality: Lahore, Shimla Hill

Distribution: Pakistan

Glyphanoetus leptos Ashfaq, Sarwar Akbar

Glyphanoetus leptos Ashfaq, Sarwar & Akbar, 1999: 23

Type locality: Azad Kashmir, Kotli

Distribution: Pakistan

Glyphanoetus longus Mahunka

Glyphanoetus longus Mahunka, 1969b: 371

Type locality: Mt. Meru, eastern slope

Distribution: Tanzania

Glyphanoetus mahunkai Eraky

Glyphanoetus mahunkai Eraky, 1994: 218

Type locality: Egypt

Distribution: Egypt

Glyphanoetus micidus Chaudhri

Glyphanoetus micidus Chaudhri, 1986: 212

Type locality: Pakistan

Distribution: Pakistan

Glyphanoetus nomiensis Cross

Glyphanoetus nomiensis Cross, 1968: 329

Type locality: Wyoming

Distribution: USA (Wyoming, Louisiana)

Hosts: *Nomia melanderi*, *N. nortoni* (Hymenoptera: Halictidae)

Glyphanoetus pappi Mahunka

Glyphanoetus pappi Mahunka, 1982: 63

Type locality: Juan Fernandez Islands

Distribution: Juan Fernandez Islands

Glyphanoetus phyllotrichus (Berlese)

Hypopus phyllotrichus Berlese, 1881: AMS Fasc.9, No 2

Anoetus phyllotrichus Oudemans, 1905b: 238 – from “*Synchitodes crenatus*” - Velp

Glyphanoetus fulmeki Oudemans, 1929: 451

Glyphanoetus phyllotrichus (Berlese): Scheucher, 1957: 351; Samšinák, 1984: 62; Mahunka, 1970: 59; Mahunka & Mahunka-Papp: 1991: 286

Type locality: Padua (Italy)

Distribution: Austria, Germany, Holland, Hungary, Italy; Cabo Verde

Hosts: *Ips laricis*, *I. proximus* (Coleoptera: Curculionidae, Scolytinae), *Limosina talparum* (Diptera: Sphaeroceridae)

Glyphanoetus processum Eraky

Glyphanoetus processum Eraky, 1994: 217

Type locality: Egypt

Distribution: Egypt

Glyphanoetus szunyoghyi Mahunka

Glyphanoetus szunyoghyi Mahunka, 1961: 528 (as "*Gylphanoetus*")

Type locality: Arusha

Distribution: Tanzania

Glyphanoetus venustissimus (Berlese)

Anoetus venustissimus Berlese, 1918: 115

Glyphanoetus venustissimus (Berlese): Scheucher, 1957: 354

Type locality: Florence

Distribution: Germany, Italy

Subfamily **Histiostomatinae** Scheucher

Anoetinae Oudemans, 1904: 191 - Type genus: *Anoetus* Dujardin, 1842

Histiostomatini Scheucher, 1957: 287; Fain, 1974: 58

Histiostominae Scheucher: Fain, 1974: 63

Histiostomatinae Berlese, 1897; Fain, 1974: 58

Type genus: *Histiostoma* Kramer, 1876: 105

Genus ***Ameranoetus*** Ide et Mahunka

Ameranoetus Ide & Mahunka, 1978: 47

Type species: *Ameranoetus hematobii* Ide et Mahunka, 1978

Ameranoetus hematobii Ide et Mahunka

Ameranoetus hematobii Ide & Mahunka, 1978: 48

Type locality: USA

Distribution: USA

Host: *Haematobia irritans* (Diptera: Muscidae)

Genus ***Amyzanoetus*** Fain

Amyzanoetus Fain, 1976: 318

Type species: *Amyzanoetus halophilus* Fain, 1976

Amyzanoetus halophilus* FainAmyzanoetus halophilus* Fain, 1976: 318

Type locality: Kerguelen Island

Distribution: Kerguelen Island

Genus *Ancyranoetus* Fain et Santiago-Blay*Ancyranoetus* Fain & Santiago-Blay, 1993: 337Type species: *Ancyranoetus virkkii* Fain et Santiago-Blay, 1993***Ancyranoetus virkkii* Fain et Santiago-Blay***Ancyranoetus virkkii* Fain & Santiago-Blay, 1993: 339

Type locality: Puerto Rico

Distribution: Puerto Rico

Host: *Lema nigripes* (Coleoptera: Chrysomelidae, Criocerinae)**Genus *Anoetoglyphus* Oudemans]***Anoetoglyphus* Oudemans [Vitzthum in litt.], 1927: 75Type species: *Anoetoglyphus ateuchi* Oudemans, 1927***Anoetoglyphus africanus* Mahunka***Anoetoglyphus africanus* Mahunka, 1965: 448

Type locality: Lefinie Reservation, Nambouli River

Distribution: Congo - Brazaville

Anoetoglyphus antennatus* MahunkaAnoetoglyphus antennatus* Mahunka, 1975: 58

Type locality: Kumasi

Distribution: Ghana

Anoetoglyphus ateuchi* VitzthumAnoetoglyphus ateuchi* Oudemans, 1927: 75 (Vitzthum, in litt.)

Type locality: South Italy

Distribution: Italy, Sicily

Host: *Scarabaeus semipunctatus* (Coleoptera: Scarabaeidae)***Anoetoglyphus bifastigatus* Mahunka***Anoetoglyphus* (?) *bifastigatus* Mahunka, 1967: 9

Type locality: Dundo

Distribution: Angola

Host: *Rhynchophorus phoenicis* (Coleoptera: Curculionidae)

Anoetoglyphus copridis Samšinák

Anoetoglyphus copridis Samšinák, 1962: 92

Type locality: Neusiedler See

Distribution: Austria, Hungary

Host: *Copris lunaris* (Coleoptera: Scarabaeidae, Coprinae)

Anoetoglyphus ellipticus Mahunka

Anoetoglyphus ellipticus Mahunka, 1973a: 114

Type locality: Nakpanduri

Distribution: Ghana

Anoetoglyphus globulus Mahunka

Anoetoglyphus globulus Mahunka, 1975: 55

Type locality: Kumasi

Distribution: Ghana

Anoetoglyphus immaturus Mahunka

Anoetoglyphus (?) *immaturus* Mahunka, 1965: 448

Type locality: Lefinie Reservation, Nambouli River

Distribution: Republic of Congo - Brazaville

Anoetoglyphus langi Mahunka

Anoetoglyphus langi Mahunka, 1978: 131

Type locality: Lai Khe

Distribution: Vietnam

Hosts: Coleoptera (Scarabaeidae)

Anoetoglyphus latus Mahunka

Anoetoglyphus latus Mahunka, 1978: 56

Type locality: Ghana

Distribution: Ghana

Anoetoglyphus levis Mahunka

Anoetoglyphus levis Mahunka, 1967d: 161

Type locality: Cuc-phuong, Bong

Distribution: Vietnam

Anoetoglyphus lootsi Mahunka

Anoetoglyphus lootsi Mahunka, 1979: 140

Type locality: Transvaal, Nylsvley Res., 35 km NE from Pretoria

Distribution: South Africa

Anoetoglyphus polygonatus Mahunka

Anoetoglyphus polygonatus Mahunka, 1973a: 302

Type locality: Nakpanduri

Distribution: Ghana

Anoetoglyphus szunyoghyi Mahunka

Anoetoglyphus szunyoghyi Mahunka, 1973a: 115; 1975: 59

Type locality: Banda-Kwanta (Ghana)

Distribution: Gambia, Ghana

Anoetoglyphus tunesiensis Mahunka

Anoetoglyphus tunesiensis Mahunka, 1981: 135

Type locality: Tunisia

Distribution: Tunisia

Genus ***Anoetus*** Dujardin

Anoetus Dujardin, 1842: 316

Nodipalpus Karpelles, 1893: 128

Type species: *Hypopus alicola* Dujardin, 1842

Anoetus aelleni Mahunka

Anoetus aelleni Mahunka, 1974d: 508

Type locality: Central, Mahaweli Ganga, "7 Meilen flussabwärts von Kandy"

Distribution: Sri Lanka

Anoetus akodoni Mahunka

Anoetus akodoni Mahunka, 1963c: 499

Type locality: El Bolsón

Distribution: Argentina

Anoetus alicola (Dujardin)

Hypopus alicola Dujardin, 1842: 316

Anoetus discrepans Oudemans, 1903 : 103. Type: Bremen, on *Halictus 4-notatus*; Oudemans, 1903: 103

Anoetus alicola (Dujardin): Buitendijk, 1945: 361; Scheucher, 1957: 374

Type locality: Hülnden an de Aller

Distribution: Germany

Hosts: *Halictus 4-notatus* (Hymenoptera: Halictidae)

Anoetus angularis Mahunka

Anoetus angularis Mahunka, 1974d : 511

Type locality: Uva, Diyaluma Waterfall

Distribution: Sri Lanka

Anoetus anoetopsis Mahunka

Anoetus anoetopsis Mahunka, 1973a : 89

Type locality: Bui Camp

Distribution: Ghana

Host: Coleoptera

Anoetus bradymeri Mahunka

Anoetus bradymeri Mahunka, 1972c: 349

Type locality: Tulagi

Distribution: Salomon Islands

Hosts: *Bradymerus leveri*, *Androsus greensladei* (Coleoptera: Tenebrionidae)

Anoetus bushlandi Hughes et Jackson

Anoetus bushlandi Hughes & Jackson, 1958: 133

Type locality: Kerrville, Texas

Distribution: USA (Texas)

Hosts: on stable fly

Anoetus cacuminatum Mahunka

Anoetus cacuminatum Mahunka, 1969: 180

Type locality: Mongolia

Distribution: Mongolia

Anoetus caljubiensis Gad Hamada Hassan et Sevastianov

Anoetus caljubiensis Gad Hamada Hassan & Sevastianov, in Radi & Sevastyanov, 1991: 48

Type locality: Egypt

Distribution: Egypt

Host: *Cataglyphis bicolor* (Hymenoptera: Formicidae)

Anoetus capillatus Mahunka

Anoetus capillatus Mahunka, 1967d: 151

Type locality: Giang Seo

Distribution: Vietnam

Anoetus castrii Mahunka

Anoetus castrii Mahunka, 1972d: 306

Type locality: Maipu, Quebrada, La Plata

Distribution: Chile

Anoetus ceylanensis Mahunka

Anoetus ceylanensis Mahunka, 1974d : 511

Type locality: Central, Mahaweli Ganga, "7 Meilen flussabwärts von Kandy"

Distribution: Sri Lanka

Anoetus chilensis Mahunka

Anoetus chilensis Mahunka, 1972d: 309

Type locality: Curacavi, Los Cerillos

Distribution: Chile

Anoetus cirrosus Mahunka

Anoetus cirrosus Mahunka, 1972d: 308

Type locality: Maipu, Quebrada, La Plata

Distribution: Chile

Anoetus collis Mahunka

Anoetus collis Mahunka, 1965: 445

Type locality: Lefinie Reservation, Nambouli River

Distribution: Congo (Brazzaville)

Anoetus congoensis Mahunka

Anoetus congoensis Mahunka, 1967a: 166

Type locality: Kindamba, Meya, Bangu forest

Distribution: Rep. of the Congo (Brazzaville)

Anoetus coprophilus Mahunka

Anoetus coprophilus Mahunka, 1965: 446

Type locality: Lefinie Reservation, Nambouli River

Distribution: Rep. of Congo (Brazzaville)

Anoetus debilis Woodring

Anoetus debilis Woodring, 1973: 319

Type locality: Turrialba, Cartago Prov.

Distribution: Costa Rica

Anoetus decorus Mahunka

Anoetus decorus Mahunka, 1967d: 152

Type locality: Cuc-phuong, Bong

Distribution: Vietnam

Anoetus dolifer Mahunka

Anoetus dolifer Mahunka, 1977: 94

Type locality: Switzerland, Wallis, Bagnes

Distribution: France, Switzerland

Hosts: *Myrmica ruginodis*, *M. sabuleti* (Hymenoptera: Formicidae - anthills)

Anoetus domrowi (Fain)

Anoetostoma domrowi Fain, 1968: 246

Type locality: Butemu Village, Finisterre Range, Madang, Central District

Distribution: Papua New Guinea

Host: *Scoliophthalmus* sp. near *micans* (Diptera: Chloropidae)

Anoetus dudichi Mahunka

Anoetus dudichi Mahunka, 1962: 431

Type locality: Jósua, Nagyoldal

Distribution: Hungary

Anoetus endroedyyoungai Mahunka

Anoetus endroedyyoungai Mahunka, 1973a : 92

Type locality: Bui Camp

Distribution: Ghana

Anoetus exornatus Sevastianov

Anoetus exornatus Sevastianov, 1973: 849

Type locality: Roshtino Village, Leningradskaya Obl.

Distribution: Russia

Host: *Formica rufa* (Hymenoptera: Formicidae)

Anoetus fetters Samšinák

Anoetus fetters Samšinák, 1989: 97

Type locality: DR Congo

Distribution: DR Congo

Host: *Metaborborus calcaratus* (Diptera: Sphaeroceridae)

Anoetus fibulatus Mahunka

Anoetus fibulatus Mahunka, 1973a : 94

Type locality: Meru

Distribution: Tanzania

Anoetus ghanensis Mahunka

Anoetus ghanensis Mahunka, 1973: 94

Type locality: Ghana

Distribution: Ghana

Anoetus grapefruit Samšinák

Anoetus grapefruit Samšinák, 1989: 95

Type locality: Centre Co. Fillmore Cap

Distribution: USA

Host: Diptera indet.

Anoetus hauseri Mahunka

Anoetus hauseri Mahunka, 1972: 1196; 1972e: 951

Type locality: Kephallinia, Aenos

Distribution: Greece (Kephallinia)

Anoetus halictonida (Woodring)

Histosoma halictonida Woodring, 1973: 312

Anoetus halictonida (Woodring)

Type locality: Canada

Distribution: Canada

Anoetus helena Samšinák

Anoetus helena Samšinák, 1989: 95

Type locality: Ecuador

Distribution: Ecuador

Host: *Richardia* (plant)

Anoetus heliocopridis Vitzthum

Anoetus heliocopridis Vitzthum, 1926: 182; Mahunka, 1974a : 141

Type locality: Meru (Tanzania)

Distribution: Ghana, Tanzania

Anoetus helobius Sevastianov

Anoetus helobius Sevastianov, 1973: 851

Type locality: Hadjibeyskiy Liman nr. Odessa

Distribution: Ukraine

Anoetus horridus Mahunka

Anoetus horridus Mahunka, 1972c: 352

Type locality: San Cristobal

Distribution: Salomon Islands

Hosts: *Leiochrodes suturalis*, *Scyophagus piceus* (Coleoptera: Tenebrionidae)

Anoetus hospitus Sevastianov

Anoetus hospitus Sevastianov, 1973: 851

Type locality: Tchemerovtsi Village, Hmelnitskaya Obl.

Distribution: Ukraine

Host: anthip of *Myrmica ruginodis* (Hymenoptera: Formicidae)

Anoetus humilis Fain

Anoetus humilis Fain, 1974b: 86

Type locality: La Savane de Lamto

Distribution: Ivory Coast

Anoetus impressus Mahunka

Histiostoma impressum Mahunka, 1963a : 31; 1963b: 59

Anoetus impressus (Mahunka): Mahunka, 1967a: 167; 1973a: 96

Type locality: Angola, Lumeje II, N of Santando Station of C.F.B., Poste de Bussaco (80 km E of Luso)

Distribution: Angola, Rep. of the Congo (Brazaville), DR Congo, Ghana

Anoetus indetonsus Sevastianov

Anoetus indetonsus Sevastianov, 1973: 852

Type locality: Odessa area

Distribution: Ukraine

Host: Coleoptera (Carabidae)

Anoetus indicus Oudemans

Anoetus indicus Oudemans, 1911: 173; Hughes & Jackson, 1958: 80; Mahunka, 1963a: 32; 1973a : 96

Histiostoma indicus (Oudemans): Buitendijl, 1945; Hughes & Jackson, 1958: 80

Histiostoma indica (Oudemans): Mahunka, 1963b: 60

Type locality: Java, Banjoewangi

Distribution: Angola, Ghana, Indonesia (Java)

Host: Blattida fam., gen. sp.

Anoetus insolita Woodring et Moser

Anoetus insolita Woodring & Moser, 1970: 1237

Type locality: Elizabeth, La.

Distribution: USA

Host: from the boring dust of *Dendroctonus frontalis* and *P. taeda* (Coleoptera: Curculionidae)

Anoetus irinus Hassan et Sevastianov*Anoetus irinus* Hassan & Sevastianov, in Radi & Sevastyanov 1991: 45

Type locality: Egypt

Distribution: Egypt

Host: *Iris tingitana* (plant)***Anoetus kaszabi*** Mahunka*Anoetus kaszabi* Mahunka, 1969: 181

Type locality: Mongolia

Distribution: Mongolia

Anoetus komarpictoris Samšínák*Anoetus komarpictoris* Samšínák, 1970: 33

Type locality: Kozákov

Distribution: Czech Rep.

Host: *Formica lemani* (Hymenoptera: Formicidae)***Anoetus longipes*** (Oudemans)*Anoetus longipes* Oudemans, 1911: 171; Mahunka, 1967d: 154*Histiostoma longipes* (Oudemans): Buitendijk, 1945: 362

Type locality: Banjoewangi

Distribution: Indonesia (Java), Vietnam

Host: Blattida fam. gen. sp.

Anoetus longisetus Mahunka*Anoetus longisetus* Mahunka, 1967a: 167; 1973a : 96

Type locality: Kindamba, Meya, Louolo river

Distribution: Republic of the Congo, Ghana

Anoetus longitubus Mahunka*Anoetus longitubus* Mahunka, 1969b: 365

Type locality: Mt. Meru, eastern slope

Distribution: Tanzania

Anoetus lunulatus Mahunka*Anoetus lunulatus* Mahunka, 1971: 1198

Type locality: Kephallinia

Distribution: Greece (Kephallinia)

Anoetus machadoi Mahunka*Anoetus machadoi* Mahunka, 1963b: 63; 1967a: 168

Type locality: Dundo, Cundueji River (Angola)

Distribution: Angola, Rep. of the Congo

***Anoetus macrosuctus* Fain**

Anoetus macrosuctus Fain, 1974b: 86

Type locality: La Savane de Lamto

Distribution: Ivory Coast

***Anoetus microti* Mahunka**

Anoetus microti Mahunka, 1969: 182

Type locality: Mongolia

Distribution: Mongolia

***Anoetus moshtohorensis* Gad Hamada, Hassan et Sevastianov**

Anoetus moshtohorensis Gad Hamada Hassan & Sevastianov, in Radi & Sevastyanov
1991: 47

Type locality: Egypt

Distribution: Egypt

Host: *Labidura riparia* (Dermaptera: Labiduridae)

***Anoetus myrmicarum* (Scheucher)**

Histiostoma myrmicarum Scheucher, 1957: 300; Mahunka, 1961: 445

Anoetus myrmicarum (Scheucher): Samšinak, 1961: 204; Kurosa, 1976: 62

Type locality: Erlangen, Germany

Distribution: China, Czech Rep., Germany, Hungary, Malaysia

Hosts: *Coptotermes formosanus*, *Macrotermes malaccensis* (Isoptera: Rhinotermitidae, Termitidae); ants (Hymenoptera, Formicidae: *Myrmica*, *Lasius*, *Camponotus*, *Formica*)

***Anoetus neglectus* Oudemans**

Anoetus neglectus Oudemans, 1902: 46

Type locality: Bremen

Distribution: Germany

Host: *Nicrophorus humator* (Coleoptera: Silphidae)

***Anoetus notabilis* Sellnick**

Anoetus notabilis Sellnick, 1940: 127

Type locality: Island

Distribution: Island

***Anoetus opertus* Sevastianov**

Anoetus opertus Sevastianov, 1973: 852

Type locality: Tchemerovtsi Village, Hmelnitskaya Obl.

Distribution: Ukraine

Host: *Myrmica rubra* (Hymenoptera: Formicidae)

Anoetus ornatissimus Mahunka

Anoetus ornatissimus Mahunka, 1973a: 96

Type locality: Meru

Distribution: Tanzania

Anoetus ornatus Mahunka

Anoetus ornatus Mahunka, 1967d: 154

Type locality: Tu-li

Distribution: Vietnam

Anoetus pannonicus Mahunka

Anoetus pannonicus Mahunka, 1968: 251

Type locality: Hungary

Distribution: Hungary

Host: phoretic on *Dryocoetes villosus* (Coleoptera: Curculionidae)

Anoetus parmatus Sevastianov

Anoetus parmatus Sevastianov, 1973: 853

Type locality: Tchemerovtsi Village, Hmelnitskaya Obl.

Distribution: Ukraine

Anoetus pauliani Mahunka

Anoetus pauliani Mahunka, 1967a: 168

Type locality: Mount Foari Reservation

Distribution: Rep. of the Congo (Brazzaville)

Anoetus pini (Scheucher)

Histiostoma pini Scheucher, 1957: 317

Anoetus pini (Scheucher): Woodring & Mosaer, 1970: 1255

Type locality: Erlangen

Distribution: Belgium, Hungary, Germany

Host: phoretic on *Hylastes ater* and *H. cunicularius* (Coleoptera: Curculionidae)

Anoetus pocsi Mahunka

Anoetus pocsi Mahunka, 1967d: 156

Type locality: Giang Seo

Distribution: Vietnam

Anoetus polynesiacus Vitzthum

Anoetus polynesiacus Vitzthum, 1920: 64

Type locality: Fiji

Distribution: Fiji

Host: *Eubactrus semiaeneus* (Coleoptera: Brenthidae)

Anoetus porosus Mahunka

Anoetus porosus Mahunka, 1969: 183

Type locality: Mongolia

Distribution: Mongolia

Anoetus privorai Samšinák

Anoetus privorai Samšinák, 1962: 89

Type locality: Roccamena, Palermo (Sicily)

Distribution: Sicily

Host: *Aphaenogaster testaceopilosa* (Hymenoptera: Formicidae)

Anoetus punctulatus Mahunka

Anoetus punctulatus Mahunka, 1967a: 169

Type locality: Brazzaville, Orstrom Parc

Distribution: Rep. of the Congo (Brazzaville)

Anoetus reticulatus Mahunka

Anoetus reticulatus Mahunka, 1969b: 366

Type locality: Mt. Meru, eastern slope

Distribution: Tanzania

Anoetus retractus Sevastianov

Anoetus retractus Sevastianov, 1973: 853

Type locality: Jaralgach Island (Black Sea)

Distribution: Jaralgach Isl., Crimea

Hosts: *Bledius bicornis*, *B. sarmaticus* (Coleoptera: Staphylinidae, Oxythelinae)

Anoetus samiensis Mahunka

Anoetus samiensis Mahunka, 1972: 952

Type locality: Kephallinia: Sami

Distribution: Greece (Kephallinia)

Anoetus serratus (Mahunka)

Histiostoma serrata Mahunka, 1962b: 429

Anoetus serratus (Mahunka), 1970: 26; Sevastianov, 1975: 400

Type locality: Balatonfenyves
 Distribution: Hungary
 Host: *Demetrias imperialis* (Coleoptera: Carabidae)

Anoetus shamyi Samšinák

Anoetus shamyi Samšinák, 1970: 36
 Type locality: Tzasweri
 Distribution: Russia, Caucasus
 Host: *Formica lemani* (Hymenoptera: Formicidae)

Anoetus shanensis Mahunka

Anoetus shanensis Mahunka, 1973a: 96
 Type locality: Borbiri Mt Reserve
 Distribution: Ghana

Anoetus sharae Gad Hamada Hassan et Sevastianov

Anoetus sharae Gad Hamada Hassan & Sevastianov, in Radi & Sevastyanov 1991: 49
 Type locality: Egypt
 Distribution: Egypt

Anoetus sinuosus Mahunka

Anoetus sinuosus Mahunka, 1973a : 299
 Type locality: Sese
 Distribution: Ghana

Anoetus solomoniensis Mahunka

Anoetus solomoniensis Mahunka, 1972c: 355
 Type locality: San Cristobal
 Distribution: Salomon Islands
 Host: *Leiochrodes suturalis* (Coleoptera: Tenebrionidae)

Anoetus sordida Woodring et Moser

Anoetus sordida Woodring & Moser, 1970: 1238
 Type locality: Elizabeth, Louisiana
 Distribution: Canada, USA (Texas, Georgia, Louisiana)
 Host: boring dust in galleries of *Dendroctonus frontalis*, *Ips avulsus* and *I. calligraphus* (Col.: Curculionidae, Scolytinae), phoretic on *Carcinops* sp. (Histeridae) and *Corticeus coynei* (Tenebrionidae)

Anoetus spinipes Mahunka

Anoetus spinipes Mahunka, 1973a: 99

Type locality: Kumasi

Distribution: Ghana

Anoetus spinosus Mahunka

Anoetus spinosus Mahunka, 1967d: 158

Type locality: Cuc-phuong, Bong

Distribution: Vietnam

Anoetus striatus Mahunka

Histiostoma striatum Mahunka, 1963a: 36

Histiostoma striata Mahunka, 1963b: 62

Anoetus striatus (Mahunka): Mahunka, 1967a: 170

Type locality: Angola, Lumeje II, N of Santando Station of C.F.B., Poste de Bussaco (80 km E of Luso)

Distribution: Angola, Rep. of the Congo (Brazzaville)

Hosts: *Dichaetodrilus incrassatus* (Coleoptera: Carabidae), *Rhynchophorus phoenicis* (Col.: Curculionidae)

Anoetus sumatrensis Oudemans

Anoetus sumatrensis Oudemans, 1903: 103

Type locality: Sumatra

Distribution: Indonesia

Anoetus tauffliebi Mahunka

Anoetus tauffliebi Mahunka, 1967a: 170

Type locality: Mount Foari Reservation

Distribution: Republic of the Congo (Brazzaville)

Anoetus topali Mahunka

Anoetus ? topali Mahunka, 1963c: 497; 1972 : 311

Type locality: Argentina, Chubut

Distribution: Argentina, Chile

Anoetus toxici Mahunka

Anoetus toxici Mahunka, 1972: 497; 1972 : 357

Type locality: Guadalcanal

Distribution: Salomon Islands

Host: *Toxicum quadricorne rufipes* (Coleoptera: Tenebrionidae)

Anoetus turcastanae Oudemans

Anoetus turcastanae Oudemans, 1917: 392

Anoetus turcestanae Oudemans: Buitendijk, 1945: 361

Type locality: "Turkestan"

Distribution: "Turkestan"

Host: *Homalocoris tmolus* (Coleoptera: Scarabaeidae)

Anoetus urcerosus Sevastianov

Anoetus urcerosus Sevastianov, 1973: 855

Type locality: Tchemerovtsi Village, Hmelnitskaya Obl.

Distribution: Ukraine

Host: anthip of *Formica rufa* (Hymenoptera: Formicidae)

Anoetus variolatus Mahunka

Anoetus variolatus Mahunka, 1973a: 100

Type locality: Borbiri Mt. Res.

Distribution: Ghana

Anoetus vilhenaorum Mahunka

Anoetus vilhenaorum Mahunka, 1963b: 65

Type locality: Dundo, Cundueji River

Distribution: Angola

Anoetus virginiana Woodring et Moser

Anoetus virginiana Woodring & Moser, 1970: 1237; Kurosa, 1976: 62

Type locality: Virginia (USA)

Distribution: Malaysia, USA

Anoetus vitzthumi (Scheucher)

Histiostoma vitzthumi Scheucher, 1957: 313

Anoetus vitzthumi (Scheucher): Woodring & Moser, 1970: 1256; Sevastianov, 1975: 400

Type locality: Schleswig-Holstein

Distribution: Austria, Germany

Host: *Dendroctonus micans* (Coleoptera: Curculionidae, Scolitinae)

Anoetus wastis Gad Hamada Hassan et Sevastianov

Anoetus wastis Gad Hamada Hassan & Sevastianov, in Radi & Sevastyanov 1991: 49

Type locality: Egypt

Distribution: Egypt

Host: *Labidura riparia* (Dermaptera)

Genus ***Aphodanoetus*** Bongers, OConnor et Lukoschus

Aphodanoetus Bongers, OConnor & Lukoschus, 1985: 33

Type species: *Aphodanoetus teinophallus* Bongers, OConnor et Lukoschus, 1985

Aphodanoetus teinophallus Bongers, OConnor et Lukoschus

Aphodanoetus teinophallus Bongers, OConnor & Lukoschus, 1985: 36

Type locality: Nijmegen

Distribution: Holland

Host: *Aphodius frater* (Coleoptera: Scarabaeidae, Aphodiinae)

Genus ***Auricanoetus*** Fain et Zumpt

Auricanoetus Fain & Zumpt, 1974: 99 [as subgenus of *Loxanoetus*]

Auricanoetus Fain & Zumpt: Fain 1983: 849 [as genus]

Type species: *Loxanoetus (Auricanoetus) longitarsus* Fain et Zumpt, 1974

Auricanoetus longitarsus (Fain et Zumpt)

Loxanoetus (Auricanoetus) longitarsus Fain et Zumpt, 1974: 99; Domrow & Ladds, 1984: 759

Auricanoetus longitarsus (Fain et Zumpt): Fain 1983: 849

Type locality: Karumu Game Reserve

Distribution: Uganda

Host: *Syncerus caffer* (Artiodactyla: Bovidae)

Genus ***Austranoetus*** Fain

Austranoetus Fain, 1976: 314

Type species: *Austranoetus kerguelenensis* Fain, 1976

Austranoetus kerguelenensis Fain

Austranoetus kerguelenensis Fain, 1976: 314

Type locality: Kerguelen

Distribution: Kerguelen

Genus ***Bonomoia*** Oudemans

Bonomoia Oudemans, 1911: 174

Type species: *Bonomoia primitiva* Oudemans, 1911

Bonomoia africana Mahunka

Bonomoia africana Mahunka, 1967a: 171

Type locality: Mount Foari Reservation

Distribution: Republic of the Congo

Bonomoia certa Woodring et Moser

Bonomoia certa Woodring & Moser, 1970: 1252

Type locality: Moskow Mtn., Moskow, Idaho

Distribution: USA

Hosts: *Dendroctonus brevicomis*, *D. pseudotsugae*, *Scolytus ventralis* (Coleoptera: Curculionidae, Scolytinae)

Bonomoia picturata Sevastianov

Bonomoia picturata Sevastianov, 1973: 81

Type locality: Khmel'nitskij Rayon

Distribution: Ukraine

Bonomoia primitiva Oudemans

Bonomoia primitiva Oudemans, 1911: 174

Type locality: Banjoewangi, Java

Distribution: Indonesia (Java)

Host: Blattida fam., gen., sp.

Bonomoia probata Sevastianov

Bonomoia probata Sevastianov, 1973: 82

Type locality: Khmel'nitskij Rayon

Distribution: Ukraine

Bonomoia recondita Sevastianov

Bonomoia recondita Sevastianov, 1973: 83

Type locality: Mariyskaya ASSR, Orshanskiy Rayon

Distribution: Russia

Host: *Myrmica ruginodis* (Hymenoptera: Formicidae)

Bonomoia reticulata Mahunka

Bonomoia reticulata Mahunka, 1967d: 162

Type locality: Cuc-puong, Bong

Distribution: Vietnam

Bonomoia rugosa Mahunka

Bonomoia rugosa Mahunka, 1973a: 301

Type locality: Kwadaso

Distribution: Ghana

Bonomoia zoheirii Metwali et Ahmad

Bonomoia zoheirii Metwali & Ahmad, 1987: 85

Type locality: Sharkya Governorate

Distribution: Egypt

Host: ants (Formicidae)

***Bonomoia* sp.**

Hosts: *Hybomitra affinis*, *H. epistates*, *H. illota*, *H. lasiophthalmus*, *H. nuda*, *Tabanus quinquestriatus* (Canada)(Mullen et al., 1979)

Genus ***Bothyanoetus*** Fain et Camerik

Bothyanoetus Fain & Camerik, 1978: 170

Type species: *Bothyanoetus pereirai* Fain et Camerik, 1978

Bothyanoetus pereirai Fain et Camerik

Bothyanoetus pereirai Fain & Camerik, 1978: 170

Type locality: Cotia, Sao Paulo

Distribution: Brazil

Host: *Bothynus deiphobus* (Coleoptera: Scarabaeidae)

Genus ***Cederhjelmia*** Oudemans

Cederhjelmia Oudemans, 1931: 261

Type species: *Cederhjelmia quadriuncinata* Oudemans, 1931

Cederhjelmia quadriuncinata Oudemans

Cederhjelmia quadriuncinata Oudemans, 1931: 179

Type locality: South Brazil

Distribution: Brazil

Genus ***Chiloanoetus*** Fain

Chiloanoetus Fain, 1974: 63

Type species: *Chiloanoetus mayumbensis* Fain, 1974

Chiloanoetus mayumbensis Fain

Chiloanoetus mayumbensis Fain, 1974: 65

Type locality: Chiloango, Mayumbe

Distribution: DR Congo

Host: *Prioscelis serrata* (Coleoptera: Tenebrionidae)

Genus ***Hauserania*** Mahunka

Hauserania Mahunka, 1972e: 954

Type species: *Hauserania ornata* Mahunka, 1972

Hauserania graeca Mahunka

Hauserania graeca Mahunka, 1972e: 956

Type locality: Kephalinia, Sami

Distribution: Greece (Kephalinia)

Hauserania ornata* MahunkaHauserania ornata* Mahunka, 1972e: 954

Type locality: Kephalinia, on the road Livadion - Argostolion

Distribution: Greece (Kephalinia)

Genus ***Hexanoetus*** Fain et Philips*Hexanoetus* Fain & Philips, 1979: 150Type species: *Hexanoetus conoidalis* Fain et Philips, 1979***Hexanoetus conoidalis*** Fain et Philips*Hexanoetus conoidalis* Fain & Philips, 1979: 150

Type locality: Syracuse, N.Y.

Distribution: USA (N.Y.)

Genus ***Histiostoma*** Kramer*Histiostoma* Kramer, 1876: 105*Zschachia* Oudemans, 1929: 451. Type: *Zschachia laevia* Oudemans, 1929Type species: *Hypopus julorum* C.L. Koch, 1843 (= *Histiostoma pectineum* Kramer, 1876)Subgenus ***Histiostoma*** Kramer*Histiostoma* Kramer, 1876: 105Type species: *Histiostoma pectineum* Kramer, 1876 (= *Hypopus feroniarum* Dufour, 1839)***Histiostoma (H.) abietis*** Scheucher*Histiostoma abietis* Scheucher, 1957: 335*Anoetus abietis* (Scheucher): Woodring & Moser, 1970: 1255

Type locality: Regensburg

Distribution: Germany

Host: *Ips curvidens* (Coleoptera: Curculionidae, Scolytinae)***Histiostoma (H.) acrocini*** Mahunka*Histiostoma acrocini* Mahunka, 1982: 83

Type locality: Brazil

Distribution: Brazil

Host: phoretic on *Acrocinus longimanus* (Coleoptera: Cerambycidae)***Histiostoma (H.) adarcuale*** Mahunka*Histiostoma adarcuale* Mahunka, 1979: 334

Type locality: Puerto Viejo

Distribution: Costa Rica

***Histiostoma (H.) adsimile* Fain**

Histiostoma adsimile Fain, 1974b: 85

Type locality: La Savane de Lamto

Distribution: Ivory Coast

***Histiostoma (H.) alphaticum* Fain**

Histiostoma alphaticum Fain, 1974b: 82

Type locality: La Savane de Lamto

Distribution: Ivory Coast

***Histiostoma (H.) alii* Eraky**

Histiostoma alii Eraky, 2000: 8

Type locality: Sohag

Distribution: Egypt

***Histiostoma (H.) amargynus* Mahunka**

Histiostoma amargynus Mahunka, 1976b: 309

Type locality: Nondugl, 2200–2700 m

Distribution: Papua New Guinea

Host: *Amarygmus* [as “*Amargynus*”] cfr. *capillatus* (Coleoptera: Tenebrionidae)

***Histiostoma (H.) americanum* Banks**

Histiostoma americanum Banks, 1906: 11

Type locality: USA

Distribution: USA

***Histiostoma (H.) amieti* Mahunka**

Histiostoma amieti Mahunka, 1979: 236

Type locality: Cameroon

Distribution: Cameroon

***Histiostoma (H.) andrei* Mahunka**

Histiostoma andrei Mahunka, 1963b: 57

Type locality: Nordeste: forest n. Cassai

Distribution: Angola

***Histiostoma (H.) angolensis* Mahunka**

Histiostoma angolensis Mahunka, 1963a: 27; 1963b: 58

Type locality: Cavuemba River, Alto Cuílo, Poste de Cacolo

Distribution: Angola

***Histiostoma (H.) antillense* Mahunka**

Histiostoma antillense Mahunka, 1981: 350

Type locality: Castries, Vigie

Distribution: St. Lucia, Windward Islands

***Histiostoma arcuata* Mahunka**

Histiostoma arcuata Mahunka, 1963a: 28

Histiostoma arcuatus Mahunka:

Type locality: Lumeje II, N of Santando Station of C.F.B., Poste de Bussaco (80 km E of Luso)

Distribution: Angola, Egypt

***Histiostoma (H.) arenatus* Negm**

Histiostoma arenatus Negm, 2007; Abdelgayed et al., 2019: 32

Type locality: Egypt

Distribution: Egypt

***Histiostoma (H.) australiense* Mahunka**

Histiostoma australiense Mahunka, 1975: 317; Tagami & Halliday, 2013: 218

Type locality: Australia

Distribution: Australia

Host: *Titanolabis colossea* (Dermaptera: Anisolabididae)

***Histiostoma (H.) bacilligerum* Mahunka**

Histiostoma bacilligerum Mahunka, 1963a: 30

Type locality: Cazombo (Alto Zambeze)

Distribution: Angola

***Histiostoma (H.) bakeri* Hughes et Jackson**

Histiostoma bakeri Hughes & Jackson, 1958: 45

Type locality: Norris Dam, Tenn.

Distribution: USA (Tenn.)

***Histiostoma (H.) baloghi* Mahunka**

Histiostoma baloghi Mahunka, 1962: 517

Type locality: Bükk – Gebirge, Belko

Distribution: Hungary

***Histiostoma (H.) banjuwangicus* (Oudemans)**

Anoetus banjuwangicus Oudemans, 1911: 172

Histiostoma banjuwangicus (Oudemans): Buitendijk, 1945: 361; Hughes & Jackson, 1958:

49

Type locality: Banjoewangi

Distribution: Indonesia (Java)

Histiostoma (H.) bananai Eraky et Shoker

Histiostoma bananai Eraky & Shoker, 1993: 53

Type locality: Egypt

Distribution: Egypt

Histiostoma (H.) berghii Jensen

Histiostoma berghii Jensen, 1896: 72

Histiostoma berghi (Jensen): Buitendijk, 1945: 361

Type locality: Copenhagen

Distribution: Denmark

Host: in cocoons of *Aulastoma gulo* (Hirudinea)

Histiostoma (H.) berndhauseri Mahunka

Histiostoma berndhauseri Mahunka, 1992: 396

Type locality: Cascade de Faarumai

Distribution: Tahiti

Host: Diplopoda

Histiostoma (H.) bernoni Mahunka

Histiostoma bernoni Mahunka, 1979: 134

Type locality: Kenya

Distribution: Kenya

Host: Coleoptera (Scarabaeidae)

Histiostoma (H.) bifeveolatum Mahunka

Histiostoma bifeveolatum Mahunka, 1979: 135

Type locality: Poroto Mt.

Distribution: Tanzania

Histiostoma (H.) blomquisti Wirth et Moser

Histiostoma blomquisti Wirth & Moser, 2010: 357

Type locality: Pineille and New Orleans

Distribution: USA

Host: *Solenopsis invicta* (Hymenoptera: Formicidae)

Histiostoma (H.) brevimanum (Oudemans)

Lipstorpia brevimana Oudemans, 1914: 73

Anoetus brevimanus: Oudemans, 1917: 392

Histiostoma brevimanus (Oudemans): Buitendijk, 1945: 361; Hughes & Jackson, 1958: 52;
Bongers, OConnor & Lukoschus, 1985: 6

Type locality: Sittard

Distribution: Holland

Histiostoma (H.) brevipodum Berlese

Histiostoma brevipodum Berlese, 1910: 270

Type locality: Palermo

Distribution: Sicily

Habitat: "inter folia putria"

Histiostoma (H.) brevipes Banks

Histiostoma brevipes Banks, 1906: 11

Type locality: USA

Distribution: USA

Histiostoma (H.) calicifera Mahunka

Histiostoma calicifera Mahunka, 1974b: 375; Eraky 2000: 15

Type locality: Banda-Nkwanta

Distribution: Ghana

Histiostoma (H.) camerunensis Mahunka

Histiostoma camerunensis Mahunka, 1979: 238

Type locality: Cameroon

Distribution: Cameroon

Histiostoma (H.) campanula (Oudemans)

Anoetus campanula Oudemans, 1914: 71

Histiostoma campanulae (Oudemans): Buitendijk, 1945: 361; Hughes & Jackson, 1958: 54

Type locality: Banjoewangi

Distribution: Indonesia (Java)

Histiostoma (H.) camphori Eraky

Histiostoma camphori Eraky, 1999: 72; Abdelgayed et al., 2019: 32

Type locality: Upper Egypt (Assiut)

Distribution: Egypt

Histiostoma (H.) capillatum Mahunka

Histiostoma capillata Mahunka, 1978: 143

Histiostoma capillatum Mahunka: Klimov & Khaustov, 2018

Type locality: Oriente, 00°24'S, 76°36'W, Limoncocha

Distribution: Ecuador

Host: *Labidus praedator* (Hymenoptera: Formicidae, Dorylinae)

Histiostoma (H.) caro Ashfaq, Chaudhri et Aheer

Histiostoma caro Ashfaq, Chaudhri & Aheer, 1985: 42

Type locality: Pakistan

Distribution: Pakistan

Histiostoma (H.) cataglyphi Yousef et Metwally

Histiostoma cataglyphi Yousef & Metwally, 1974: 724

Type locality: Zagazig, Sharkia governorate

Distribution: Egypt

Histiostoma (H.) chilopophila Mahunka

Histiostoma chilopophila Mahunka, 1979: 241

Type locality: Cameroon

Distribution: Cameroon

Histiostoma (H.) cirratum (Oudemans)

Anoetus cirratus Oudemans, 1911: 173

Histiostoma cirratus (Oudemans): Buitendijk, 1945: 361

Type locality: Banjoewangi

Distribution: Indonesia (Java)

Host: Blattodea fam., gen. sp.

Histiostoma (H.) clavatum Mahunka

Histiostoma clavatum Mahunka, 1963b: 58

Type locality: Dundo

Distribution: Angola

Host: *Brachytripes membranaceus* (Orthoptera: Grylloidea)

Histiostoma (H.) clavifer Mahunka

Histiostoma clavifer Mahunka, 1978a: 146

Type locality: 4 km W of Villa Neily, 8°40'N, 82°56'W

Distribution: Costa Rica

Host: *Eciton hamatum* (Hymenoptera: Formicidae, Dorylinae)

Histiostoma (H.) conclavicola (Oudemans)

Anoetus conclavicola Oudemans, 1929: 461

Histiostoma (H.) conclavicola (Oud.)

Type locality: Stanleyville (Kisangani)

Distribution: DR Congo

Histiostoma (H.) conjunctum (Woodring et Moser)

Anoetus conjuncta Woodring & Moser, 1970: 1250

Histiostoma conjuncta (Woodring et Moser): Woodring & Moser, 1975: 83

Histiostoma conjunctum (Woodring et Moser): Klimov & Khaustov, 2018: 2412

Type locality: Tegusigalpa, Honduras

Distribution: Guatemala, Honduras, USA

Hosts: galleries of *Dendroctonus frontalis*, *Ips avulsus*, *I. calligraphus*, *I. cribricollis*, *I. grandicollis*

Histiostoma (H.) continuatum Mahunka

Histiostoma continuata Mahunka, 1978a: 146

Type locality: Oriente, 00°24S, 76°36'W, Limoncocha

Distribution: Ecuador

Host: *Labidus* sp. (Hymenoptera: Formicidae, Dorylinae)

Histiostoma (H.) coprae Chinniah et Mohanasundaram

Histiostoma coprae Chinniah & Mohanasundaram, 1995: 73

Type locality: Tamil Nadu

Distribution: India

Host: *Copris* (Coleoptera)

Histiostoma (H.) coronatum Mahunka

Histiostoma coronatum Mahunka, 1979: 335

Type locality: Puerto Viejo

Distribution: Costa Rica

Histiostoma (H.) cossi Scheucher

Histiostoma cossi Scheucher, 1957: 329

Type locality: Erlangen

Distribution: Germany

Hosts: *Cossus cossus*, *C. ligniperda* (Lepidoptera: Cossidae)

Histiostoma (H.) crantor Ashfaq, Chaudhri et Aheer

Histiostoma crantor Ashfaq, Chaudhri & Aheer, 1985: 22

Type locality: Pakistan

Distribution: Pakistan

Histiostoma (H.) crassipes (Oudemans)

Anoetus crassipes Oudemans, 1912: 234; ? Vitzthum, 1923

Histiostoma crassipes (Oudemans): Klimov & Khaustov, 2018: 2413

Type locality: Tanzania

Distribution: Tanzania, (?) Nepal

Hosts: *Platypus dispar*, *Ips stebbingi* (Coleoptera: Curculionidae), *Hololepta africanae* (Col.: Histeridae)

Histiostoma (H.) crypturgi Scheucher

Histiostoma crypturgi Scheucher, 1957: 310; Klimov & Khaustov, 2018: 2413

Anoetus crypturgi (Scheucher): Woodring & Moser, 1970: 1255; Sevastianov, 1975: 400

Type locality: Erlangen and Regensburg

Distribution: Germany, Poland, Slovakia

Hosts: *Crypturgus pusillus* (Coleoptera: Curculionidae, Scolytinae), *Rhagium* sp. (Cerambycidae), *Aphodius prodromus* (Scarabaeidae)

Histiostoma (H.) cubanum Mahunka

Histiostoma cubanum Mahunka, 1978: 111

Type locality: La Habana

Distribution: Cuba

Host: *Acanthoderes circumflexa* (Coleoptera: Cerambycidae)

Histiostoma (H.) cyrtandrae (Vitzthum)

Anoetus cyrtandrae Vitzthum, 1931: 110

Histiostoma cyrtandrae (Vitzthum)

Type locality: at Ngebel Lake, Middle Java

Distribution: Indonesia

Histiostoma (H.) dactyloscopicum Mahunka et Eraky

Histiostoma dactyloscopicum Mahunka & Eraky, 1987: 130

Type locality: Hungary

Distribution: Hungary

Histiostoma (H.) darwishii Eraky

Histiostoma darwishii Eraky, 1994: 220; Abdelgayed et al., 2019: 32

Type locality: Egypt

Distribution: Egypt

Histiostoma (H.) decemvirgae Jacot

Histiostoma decemvirgae Jacot, 1939: 199

Type locality: Western North Carolina

Distribution: USA

Histiostoma (H.) densus Ashfaq, Chaudhri et Aheer*Histiostoma densus* Ashfaq, Chaudhri & Aheer, 1985 18

Type locality: Pakistan

Distribution: Pakistan

Histiostoma (H.) diadematum Mahunka*Histiostoma diademata* Mahunka, 1978a: 148

Type locality: Oriente, 00°24S, 76°36'W, Limoncocha

Distribution: Ecuador

Host: *Neivamyrmex gibbatus* (Hymenoptera: Formicidae, Dorylinae)***Histiostoma (H.) disiunctum*** Mahunka*Histiostoma disiuncta* Mahunka, 1962b: 428*Anoetus disiunctus*

Type locality: Balatonfenyves

Distribution: Hungary

Host: *Demetrias imperialis* (Coleoptera: Carabidae)***Histiostoma (H.) distentosetum*** Mahunka*Histiostoma distentoseta* Mahunka, 1974b: 375

Type locality: Banda-Nkwanta

Distribution: Ghana

Histiostoma (H.) dryocoeti Scheucher*Histiostoma dryocoeti* Scheucher, 1957: 315*Anoetus dryocoeti* (Scheucher): Woodring & Moser, 1970: 1255; Sevastianov, 1975: 397

Type locality: "Erlanger Umgebung und Oberpfalz"

Distribution: Germany

Hosts: *Dryocoetus autographus* (Coleoptera: Curculionidae, Scolytinae), *Dorcus paralelopedus* (Coleoptera: Lucanidae)***Histiostoma (H.) dugesi*** (Claparède)*Hypopus dugesii* Claparède, 1868: 506*Histiostoma dugesi* (Clap.): Buitendijk, 1945: 361

Type locality: Giseh

Distribution: Egypt

Histiostoma (H.) duplex Mahunka*Histiostoma duplex* Mahunka, 1979: 337

Type locality: Puerto Viejo

Distribution: Costa Rica

Histiostoma (H.) edax Ashfaq, Chaudhri et Aheer

Histiostoma edax Ashfaq, Chaudhri & Aheer, 1985: 33

Type locality: Pakistan

Distribution: Pakistan

Histiostoma (H.) editum Mahunka

Histiostoma edita Mahunka, 1974b: 378

Type locality: Kwadaso

Distribution: Ghana

Histiostoma (H.) egyptiacum Eraky et Shoker

Histiostoma egyptiacum Eraky & Shoker, 1993: 51

Type locality: Egypt

Distribution: Egypt

Histiostoma (H.) eickworthi Woodring

Histiostoma eickworthi Woodring, 1973: 316

Type locality: Costa Rica

Distribution: Costa Rica

Host: *Augochlora* spp. (Hymenoptera: Halictidae)

Histiostoma (H.) elzingai Mahunka

Histiostoma elzingai Mahunka, 1978a: 148

Type locality: Oriente, 00°24S, 76°36'W, Limoncocha

Distribution: Ecuador

Host: *Eciton lucanoides* (Hymenoptera: Formicidae, Dorylinae)

Histiostoma (H.) endroedii (Mahunka)

Anoetus endroedii Mahunka, 1973a: 90

Histiostoma endroedii: Mahunka, 1979: 128

Type locality: Abofour (Ghana)

Distribution: Ghana, Gambia

Host: Coleoptera

Histiostoma (H.) ensifer (Oudemans)

Anoetus ensifer Oudemans, 1912: 236

Histiostoma ensifer (Oudemans): Buitendijk, 1945: 361

Type locality: Tanganyika, Amani

Distribution: Tanzania

Histiostoma (H.) erugo Ashfaq, Chaudhri et Aheer

Histiostoma erugo Ashfaq, Chaudhri & Aheer, 1985: 27

Type locality: Pakistan

Distribution: Pakistan

***Histiostoma (H.) farghali* Eraky**

Histiostoma farghali Eraky, 2000: 13

Type locality: Egypt

Distribution: Egypt

***Histiostoma (H.) feroniarum* (Dufour)**

Hypopus feroniarum Dufour, 1839: 278

Histiostoma pectineum Kramer, 1876

Acarus mamillaris Canestrini, 1878: 140

Tyroglyphus rostro-serratus Mégnin, 1873: 372

Rhyzoglyphus rostro-serratus:

Histiostoma rostro-serratum: Michael, 1901:

Anoetus feroniarum (Dufour): Mahunka, 1971: 1195; 1972e: 951

Histiostoma feroniarum (Dufour): Scheucher, 1957: 290; Costa, 1967: 107; Caceres & Fain, 1975: 146; Chen et al., 1982; Shen et al. 1993; Qin & Rohitha 1996: 65; Fain, 1991: 79; Rebollero & Arroyo, 1996; Sanchez-Covisa et al., 1999

Type locality: France

Distribution: Australia, Austria, China, France, Germany, Greece (Kephallinia, Zakynthos), Israel, Italy, New Zealand, Peru, Spain, Canary Is. (Tenerife)

Hosts: *Cormocephalus aurantiipes* (Chilopoda: Scolopendridae), *Hister merdarius*, *H. stercorarius*, *H. unicolor* (Coleoptera: Histeridae); *Spalax ehrenbergi* (Mammalia: Rodentia)

***Histiostoma (H.) flabelliforme* Leonardi**

Histiostoma flabelliforme Leonardi, 1899: 922

Type locality: Portici

Distribution: Italy

***Histiostoma (H.) flaccus* Sarwar**

Histiostoma flaccus Sarwar, 1998: 2

Type locality: Pakistan

Distribution: Pakistan

***Histiostoma (H.) flagellifer* Leonardi**

Histiostoma flagellifer Leonardi, 1897

Type locality: Italy

Distribution: Italy

Histiostoma (H.) formosanum Philipsen et Coppel

Histiostoma formosana Philipsen & Coppel, 1977: 497; Wang et al., 2002

Type locality: Taiwan

Distribution: Taiwan, China

Host: *Coptotermes formosanus* (Isoptera: Rhinotermitidae)

Histiostoma (H.) formicarum Vitzthum

Histiostoma formicarum Vitzthum, 1941: 315

Type locality: Tirol

Distribution: Austria

Host: *Myrmica sulcinodis* (Hymenoptera: Formicidae)

Histiostoma (H.) fortis Ashfaq, Sarwar et Amiad

Histiostoma fortis Ashfaq, Sarwar & Amiad, 2000: 37

Type locality: Rawalakot

Distribution: Pakistan

Host: from decomposing vegetable matter

Histiostoma (H.) foveosimile Mahunka

Histiostoma foveosimile Mahunka, 1975: 320

Type locality: Kiunga

Distribution: Papua New Guinea

Histiostoma (H.) fragosus Ashfaq, Chaudhri et Aheer

Histiostoma fragosus Ashfaq, Chaudhri & Aheer, 1985: 30

Type locality: Pakistan

Distribution: Pakistan

Histiostoma (H.) fucatifer Mahunka

Histiostoma fucatifer Mahunka, 1975b: 47

Type locality: Gambia

Distribution: Gambia

Host: *Ploceus*-nest

Histiostoma (H.) fuliginosi Scheucher

Histiostoma fuliginosi Scheucher, 1957: 336

Type locality: Erlangen

Distribution: Germany

Histiostoma (H.) furcata Mahunka

Histiostoma furcata Mahunka, 1975b: 50

Type locality: Ghana

Distribution: Ghana

Histiostoma (H.) galerus Sarwar, Ashfaq et Islam,

Histiostoma galerus Sarwar, Ashfaq & Islam, 1998: 4

Type locality: Pakistan

Distribution: Pakistan

Histiostoma (H.) gambiense Mahunka

Histiostoma gambiense Mahunka, 1975b: 53

Type locality: Gambia

Distribution: Gambia

Histiostoma (H.) gampsoceri Mahunka

Histiostoma gampsoceri Mahunka, 1976b: 308

Type locality: "Formosa" (Taiwan)

Distribution: Taiwan

Host: *Gampsocera mutata* (Diptera: Chloropidae)

Histiostoma (H.) genavensium Mahunka

Histiostoma genavensium Mahunka, 1992: 396

Type locality: Viti Levu: entre Yanuca et Nadi

Distribution: Fiji

Host: Diplopoda

Histiostoma (H.) gervaisi Oudemans

Histiostoma gervaisi Oudemans, 1937: 2145 – nomen novum pro *Hypopus ovalis* Gervais, 1844

Type locality: Paris

Distribution: France

Host: *Lithobius forficatus* (Chilopoda: Lithobiidae)

Histiostoma (H.) gladiger (Vitzthum)

Anoetus gladiger Vitzthum, 1926a: 489; Woodring & Moser, 1970: 1255

Histiostoma gladiger Scheucher, 1957: 334; Cooreman, 1963: 39

Type locality: "Nikolajewsk an der Mundung des Amur"

Distribution: Austria, Belgium, Bulgaria, France (incl. Corsica), Germany, Russia (Far East)

Hosts: *Ips cembrae*, *I. sexdentatus*, *I. subelongatus* (Coleoptera: Curculionidae, Scolytinae)

Histiostoma (H.) globotuberum Takami et Kuwahara

Histiostoma globotuberum Takami & Kuwahara, 2005: 86

Type locality: Kyoto and Tsukuba

Distribution: Japan

Histiostoma (H.) gordius* (Vitzthum)Anoetus phyllotrichus* Vitzthum, 1921a:*Anoetus gordius* Vitzthum, 1923a: 164; Mahunka, 1970: 27; Woodring & Moser, 1970: 1255; Sevastianov, 1975: 400*Anoetus julorum* Vitzthum, 1926:*Histiostoma gordius* (Vitzthum): Scheucher, 1957: 311; Cooreman, 1963: 37; Hunter & Davis, 1963: 5;

Distribution: Austria, Belgium, Bosnia & Herzegovina, Germany, Hungary, Romania

Hosts: *Ips laricis* (Ipidae), *Orthomicus [Ips] laricis*, *O. proximus* (Coleoptera: Curculionidae, Scolytinae)***Histiostoma (H.) gorgo* Mahunka***Histiostoma gorgo* Mahunka, 1974b: 380

Type locality: Banda-Nkwanta

Distribution: Ghana

Histiostoma (H.) gracilipes* BanksHistiostoma gracilipes* Banks, 1906: 10

Type locality: USA

Distribution: USA

Histiostoma (H.) gracilis* Ashfaq, Sarwar et AmiadHistiostoma gracilis* Ashfaq, Sarwar & Amiad, 2000: 34

Type locality: Haripur

Distribution: Pakistan

Host: from gram (*Cicer arietinum*)***Histiostoma (H.) granulatum* Vitzthum***Histiostoma granulatum* Vitzthum, 1935: 93

Type locality: Hivaoa: Kaava Mt.

Distribution: Marquesan Islands

Host: *Brachypeplus* sp. (Coleoptera: Nitidulidae)***Histiostoma (H.) guanophilum* Mahunka***Histiostoma guanophilum* Mahunka, 1982: 293

Type locality: New Mexico

Distribution: USA

Histiostoma (H.) halicticolum* Fain et ErteldHistiostoma halicticola* Fain & Erteld, 1998: 48*Histiostoma halicticolum* Fain & Erteld:

Type locality: Berlin, Doberitzer Heide natural reserve

Distribution: Germany

Host: *Halictus sexcinctus* (Hymenoptera: Halictidae)

***Histiostoma (H.) halictonida* Woodring**

Histiostoma halictonida Woodring, 1973: 312; Engel & Fain, 2003: 649

Anoetus halictonida: Achtymichuk, 2017

Type locality: USA

Distribution: Canada, Costa Rica, Panama, USA

Hosts: *Halictus rubicundus*, *Megalopta* spp. (Hymenoptera: Halictidae)

***Histiostoma (H.) heinemanni* Hill et Deahl**

Histiostoma heinemanni Hill & Deahl, 1978: 318

Type locality: Pennsylvania

Distribution: USA

***Histiostoma (H.) herballi* Eraky et al.**

Anoetus herballi Eraky et al., 2017: 183

Type locality: Assiut, Abu Teeg

Distribution: Egypt

Host: from Citrus orchards

***Histiostoma (H.) heriades* Fain et Pauly**

Histiostoma heriades Fain & Pauly, 2001: 136

Type locality: Sainte Marie Island, Kalalao Forest

Distribution: Madagascar

Host: *Heriades erythrosoma* (Hymenoptera: Megachilidae)

***Histiostoma (H.) himalayae* (Vitzthum)**

Anoetus himalayae Vitzthum, 1923: 162

Histiostoma himalayae (Vitzthum): Fain, Athias-Binche & Carton, 1993: 73;

Type locality: Himalaya

Distribution: Himalaya

Host: *Polygraphus minor* (Coleoptera: Curculionidae, Scolytinae [Ipidae])

***Histiostoma (H.) histeri* Mahunka**

Histiostoma histeri Mahunka, 1976: 97

Type locality: Bükk-Gebirge, Czalajka völgy

Distribution: Hungary, Romania

Host: *Platysoma compressum* (Coleoptera: Histeridae)

***Histiostoma (H.) horridum* Berlese**

Histiostoma horridum Berlese, 1913: 104

Type locality: Java

Distribution: Indonesia (Java)

Histiostoma (H.) huettleri Mahunka

Histiostoma huettleri Mahunka, 1975: 45

Type locality: Gambia

Distribution: Gambia

Histiostoma (H.) humiditatis (Vitzthum)

Anoetus humiditatis Vitzthum, 1927: 98

Histiostoma humiditatis (Vitzthum): Womersley, 1942; Hughes & Jackson, 1958: 78;
Tseng, 1984

Type locality: Thaya, Lower Austria

Distribution: Australia, Austria, Taiwan

Host: *Titanolabis colossea* (Dermaptera: Anisolabididae)

Histiostoma (H.) hungaricum Mahunka

Histiostoma hungarica Mahunka, 1976: 100

Histiostoma hungaricum Mahunka: Klimov & Khaustov, 2018

Type locality: Slofok

Distribution: Hungary

Host: *Carcinopus 14-striata* (Coleoptera: Histeridae)

Histiostoma (H.) imbecillus Ashfaq, Chaudhri et Aheer

Histiostoma imbecillus Ashfaq, Chaudhri & Aheer, 1985: 39

Type locality: Pakistan

Distribution: Pakistan

Histiostoma (H.) incurvatum Mahunka

Histiostoma incurvata Mahunka, 1978: 152

Type locality: Canal Zone, Barro Colorado

Distribution: Panama

Host: *Eciton burchelli* (Hymenoptera: Formicidae, Dorylinae)

Histiostoma (H.) indetonsum (Sevastianov)

Anoetus indetonsum Sevastianov, 1973: 852

Histiostoma indetonsum: Klimov & Khaustov, 2018:

Type locality: Odesa

Distribution: Ukraine

Histiostoma (H.) inquilinum Cross

Histiostoma inquilinus Cross, 1968: 333

Type locality: Maryland
 Distribution: USA
 Host: *Xenoglossa strenua* (Hymenoptera: Apidae)

***Histiostoma (H.) insulare* (Oudemans)**

Anoetus insularis Oudemans, 1914: 70; Mahunka, 1967: 15; 1970: 23; 1971: 1198
Histiostoma insulare: Scheucher, 1957: 292
Histiostoma insularis (Oudemans): Hughes & Jackson, 1958: 80
 Type locality: Kephallinia
 Distribution: Germany, Greece (Kephallinia), Holland, Hungary, Mongolia

***Histiostoma (H.) ionicum* Mahunka**

Histiostoma ionicum Mahunka, 1977: 123
 Type locality: Greece
 Distribution: Greece

***Histiostoma irinum* (Hassan et Sevastianov)**

Anoetus irinus Hassan & Sevastianov, 1991: 45
Histiostoma irinum (Hassan et Sevastianov): Klimov & Khaustov, 2018:
 Type locality: Low Egypt
 Distribution: Egypt

***Histiostoma (H.) janosi* Mahunka**

Histiostoma janosi Mahunka, 1975: 319
 Type locality: New Guinea
 Distribution: New Guinea

***Histiostoma (H.) julorum* (C.L. Koch)**

Hypopus julorum C.L.Koch, 1843: H. 38, No20; Berlese, 1886: AMC, 29, 4
Phyllostoma pectineum Kramer, 1876: 36
Histiostoma pectineum Kramer, 1876: 105
Anoetus julorum (C.L. Koch): Vitzthum, 1926a: 480; Sevastianov, 1975: 398
Histiostoma julorum (C.L. Koch): Canestrini, 1888: 17; Canestrini & Kramer, 1899: 135;
 Haarløv, 1957:32
 Type locality: Germany
 Distribution: Austria, Denmark, Germany, Italy
 Hosts: *Julus mediterraneus*, *J. unilineatus* (Diplopoda: Julida, Julidae)

***Histiostoma (H.) junctus* Ashfaq, Chaudhri et Aheer**

Histiostoma junctus Ashfaq, Chaudhri & Aheer, 1985: 25
 Type locality: Pakistan

Distribution: Pakistan

***Histiostoma (H.) karachiensis* Khan**

Histiostoma karachiensis Khan, 1969: 207

Type locality: Karachi

Distribution: Pakistan

***Histiostoma (H.) kerguelenense* Fain**

Histiostoma kerguelenense Fain, 1976: 312

Type locality: Kerguelen Island

Distribution: Kerguelen Island

***Histiostoma laevis* (Oudemans)**

Zschachia laevis Oudemans, 1929: 451

Type locality: Valkeveen

Distribution: Holland

***Histiostoma (H.) lekiensis* Mahunka**

Histiostoma lekiensis Mahunka, 1979: 241

Type locality: Cameroon

Distribution: Cameroon

***Histiostoma (H.) lineatula* Mahunka**

Histiostoma lineatula Mahunka, 1976: 101

Type locality: Sopron (Hungary)

Distribution: Hungary, Romania

Host: *Platysoma compressum* (Coleoptera: Histeridae)

***Histiostoma (H.) lineosculpturatum* Mahunka**

Histiostoma lineosculpturatum Mahunka, 1978: 121

Type locality: New Britain, Gazelle Pen., Mt. Sinewit

Distribution: Papua New Guinea [New Britain]

Host: *Platolenes* sp. (Coleoptera: Tenebrionidae)

***Histiostoma (H.) litorale* (Oudemans)**

Anoetus litoralis Oudemans, 1914: 71; 1914: 116

Histiostoma litorale (Oudemans): Scheucher, 1957: 333; Mahunka, 1976b: 294; Lotfollahi et al., 2010

Type locality: Holland (Terschelling I.)

Distribution: Germany, Holland, Iran

Host: Diplopoda, Coleoptera (Carabidae)

Histiostoma (H.) loebli* MahunkaHistiostoma loebli* Mahunka, 1979: 423

Type locality: Israel

Distribution: Israel

Histiostoma (H.) loksai* MahunkaHistiostoma loksai* Mahunka, 1961: 14

Type locality: Hungary

Distribution: Hungary

Histiostoma longisetum* (Mahunka)Anoetus longisetus* Mahunka, 1967: 167*Histiostoma longisetum*: Klimov & Khaustov, 2018:

Type locality: Congo

Distribution: Congo

Histiostoma (H.) lorentzi* (Oudemans)Anoetus lorentzi* Oudemans, 1905a: 223*Histiostoma lorentzi* (Oudemans): Buitendijk, 1945: 362

Type locality: Perboeangan

Distribution: Indonesia (Western New Guinea)

Host: Coleoptera: Coccinellidae

Histiostoma (H.) louisianae* WoodringHistiostoma louisianae* Woodring, 1963: 49

Type locality: Louisiana

Distribution: USA

Histiostoma (H.) luxus* Ashfaq, Chaudhri et AheerHistiostoma luxus* Ashfaq, Chaudhri & Aheer, 1985: 36

Type locality: Pakistan

Distribution: Pakistan

Histiostoma (H.) magdolnae* Mahunka et ErakyHistiostoma magdolnae* Mahunka & Eraky, 1987: 130

Type locality: Hungary

Distribution: Hungary

Histiostoma (H.) mahunkai* FainHistiostoma mahunkai* Fain, 1974b: 80; Tagami, 2013; 2016: 19

Type locality: Ivory Coast, la Savane de Lamto

Distribution: Ivory Coast, Japan

Host: *Anisolabella (Gonolabis) marginalis* (Dermaptera: Anisolabidae)

***Histiostoma (H.) manicae* Samšínák**

Histiostoma manicae Samšínák, 1958: 291

Type locality: Radhošt (Beskyden)

Distribution: Czech Rep.

Host: *Manica rubida* (Hymenoptera: Formicidae)

***Histiostoma (H.) mannai* Eraky**

Histiostoma mannai Eraky, 1999: 53

Type locality: Aswan

Distribution: Egypt

Host: Associated with *Amitermes desertorum* (Insecta)

***Histiostoma (H.) mantelli* Clark**

Histiostoma mantelli Clark, 2010: 10

Type locality: Tongaporutu, North Taranaki

Distribution: New Zealand

Host: *Eudyptula minor* (Aves: Spheniscidae)

***Histiostoma (H.) manuri* Eraky**

Histiostoma manuri Eraky, 2000: 10

Type locality: Egypt

Distribution: Egypt

***Histiostoma (H.) margaritata* Mahunka**

Histiostoma margaritata Mahunka, 1976: 102

Histiostoma margaritatum Mahunka: Klimov & Khaustov, 2018

Type locality: Mecsek – Gebirge (Hungary)

Distribution: Hungary, Romania

Host: *Platysoma compressum* (Coleoptera: Histeridae)

***Histiostoma (H.) marianae* Mahunka**

Histiostoma marianae Mahunka, 1979: 338

Type locality: Osa Pen., 2.5 mi SW of Rincon

Distribution: Costa Rica

***Histiostoma (H.) maritimum* (Oudemans)**

Anoetus maritimus Oudemans, 1914: 70; 1914: 110; Mahunka, 1970: 24

Histiostoma maritimum (Oudemans): Scheucher, 1957: 296; Mahunka, 1976b: 326

Type locality: Holland (Terschelling I.)

Distribution: Germany, Holland , Hungary

Hosts: *Julus unilineatus* (Diplopoda: Julidae), *Bembidium assimile*, *B. doris*, *B. tenellum*, *Elaphrus riparius*, *Platynus obscurus* (Coleoptera: Carabidae), *Heterocerus marginatus* (Col.: Heteroceridae), *Hydrophilus caraboides* (Col.: Hydrophilidae)

***Histiostoma (H.) matsakisi* Mahunka**

Histiostoma matsakisi Mahunka, 1977: 125

Type locality: Greece

Distribution: Greece

***Histiostoma medium* (Woodring et Moser)**

Anoetus media Woodring & Moser, 1970: 1238

Histiostoma medium Klimov & Khaustov, 2018:

Type locality: Pineville, Louisiana

Distribution: USA (Louisiana, Florida)

Host: galleries of *Dendroctonus terebrans* (Col.: Curculionidae, Scolytinae)

***Histiostoma (H.) melolonthae* Scheucher**

Histiostoma melolonthae Scheucher, 1957: 335

Type locality: Erlangen

Distribution: Germany

Hosts: *Melolontha hippocastani*, *Polyphylla fullo* (Coleoptera: Scarabaeidae, Melolonthinae)

***Histiostoma (H.) meszarosorum* Mahunka**

Histiostoma meszarosorum Mahunka, 1978: 113

Type locality: La Habana

Distribution: Cuba

Host: *Acanthoderes circumflexa* (Coleoptera: Cerambycidae)

***Histiostoma (H.) metwallii* Fawzy et Mtewallii**

Histiostoma metwallii Fawzy & Mtewallii, 2007: 125 (also *metwallii*)

Type locality: Kafr El-Sheikh

Distribution: Egypt

***Histiostoma (H.) minimum* Mahunka**

Histiostoma minimum Mahunka, 1963a: 33

Type locality: Cazombo (Alto Zambeze)

Distribution: Angola

***Histiostoma (H.) mirabile* Mahunka**

Histiostoma mirabile Mahunka, 1981a: 353

Type locality: Micoud, Troumasée Estate

Distribution: Windward-Islands

***Histiostoma (H.) montanum* Clark**

Histiostoma montanum Clark, 2010b: 193

Type locality: North Egmont, Mt Egmont, Taranaki

Distribution: New Zealand

Host: from shrub *Brachyglottis elaeagnifolia* litter at 1100–1300 m

***Histiostoma (H.) moralesi* Mahunka**

Histiostoma moralesi Mahunka, 1978a: 152

Type locality: 4 km W of Villa Neily, 8°40'N, 82°56'W

Distribution: Costa Rica

Host: *Eciton hamatum* (Hymenoptera: Formicidae, Dorylinae)

***Histiostoma (H.) murchiei* Hughes et Jackson**

Histiostoma murchiei Hughes & Jackson, 1958: 88

Type locality: Carp River, Emmet County, Michigan

Distribution: USA

Host: in cocoons of *Allolobophora* (Lumbricidae)

***Histiostoma (H.) muscae* Chinniah et Mohanasundaram**

Histiostoma muscae Chinniah & Mohanasundaram, 1995: 74

Type locality: Tamil Nadu

Distribution: India

Host: *Musca domestica* (Diptera: Muscidae)

***Histiostoma (H.) nasseri* Eraky**

Histiostoma nasseri Eraky, 1994: 159; Abdelgayed et al., 2019: 32

Type locality: Egypt

Distribution: Egypt

***Histiostoma (H.) necopinus* (Sevastianov)**

Anoetus necopinus Sevastianov, 1973: 852

Histiostoma necopinus (Sevastianov): Mahunka, 1976

Type locality: Hajibeyskiy Liman nr. Odessa

Distribution: Ukraine

Host: *Galeruca* sp. (Coleoptera: Chrysomelidae)

***Histiostoma (H.) negmi* Eraky**

Histiostoma negmi Eraky, 2000: 5

Type locality: Sohag

Distribution: Egypt

Histiostoma (H.) novamsterdamense* FainHistiostoma novamsterdamense* Fain, 1976: 565

Type locality: Nouvelle Amsterdam, Pointe d'Entrecasteaux

Distribution: Nouvelle Amsterdam

Histiostoma onioni* Eraky et ShokerHistiostoma onioni* Eraky & Shoker, 1994; Abdelgayed et al., 2019: 32

Type locality: Sohag

Distribution: Egypt

Histiostoma (H.) onthophagae* Chinniah et MohanasundaramHistiostoma onthophagae* Chinniah & Mohanasundaram, 1995: 74

Type locality: Tamil Nadu

Distribution: India

Host: *Onthophagus pactolus* (Coleoptera: Scarabaeidae)***Histiostoma (H.) orientalis* Mahunka***Histiostoma orientalis* Mahunka, 1974: 104

Type locality: unknown

Distribution: unknown

Host: *Halictus tatrazonianellus* (Hymenoptera: Halictidae)***Histiostoma (H.) oudemansi* Scheucher***Histiostoma oudemansi* Scheucher, 1957: 315*Anoetus oudemansi* (Scheucher): Sevastianov, 1975: 400

Type locality: Erlangen

Distribution: Germany

Histiostoma (H.) ovale* (J. Müller)Uropoda ovalis* J. Müller, 1860*Histiostoma ovalis* (J. Müller): Samšínák, 1958: 293; Mahunka, 1977b: 104; Moraza, Fernandez & Jurc, 2013: 597; Vissa et al., 2019*Histiostoma ovale* (J. Müller): Klimov & Khaustov, 2018: 53

Type locality: Moravia (Slovakia)

Distribution: Austria, Belgium, Bulgaria, Croatia, Czech Rep., France, Germany, Corsica, Hungary, Italy, Poland, Portugal, Romania, Slovakia, Slovenia, Ukraine

Hosts: *Ips sexdentatus* (Coleoptera: Curculionidae - Scolytinae), *Platysoma compressum* (Col.: Histeridae)***Histiostoma (H.) ovalis marani* Samšínák***Histiostoma ovalis* f. *marani* Samšínák, 1958: 294

Type locality: Vizzavona

Distribution: Corsica

Host: *Ips sexdentatus* (Coleoptera: Curculionidae - Scolytinae)

***Histiostoma (H.) palustre* Wirth**

Histiostoma palustre Wirth, 2003: 262

Type locality: nr. Teufelsee, Berlin/Grunewald

Distribution: Germany

***Histiostoma (H.) papillatum* Halliday et Collins**

Histiostoma papillata Halliday & Collins, 2002: 155

Type locality: Victoria, Deakin University, Warrnambool

Distribution: Australia

Host: *Maccullochella peelii peelii* (Pisces: Percichthyidae)

***Histiostoma (H.) pauciputeolum* Fain et Philips**

Histiostoma pauciputeolum Fain & Philips, 1979: 147

Type locality: Syracuse, N.Y.

Distribution: USA

Host: In the nest of *Otus asio* (Aves, Strigiformes)

***Histiostoma (H.) perruptum* Mahunka**

Histiostoma perruptum Mahunka, 1979: 339

Type locality: Osa Pen., 2.5 mi SW of Rincon

Distribution: Costa Rica

***Histiostoma (H.) phyllophorum* (Oudemans)**

Anoetus phyllophorus Oudemans, 1905b: 238; 1912: 236

Anoetus phyllophorum Oudemans: Mahunka, 1973a: 99

Histiostoma phyllophorum (Oudemans): Scheucher, 1957: 318

Histiostoma nicholli Womersley, 1941: 484 - Australia

Histiostoma phyllophorus (Oudemans): Mahunka & Mahunka-Papp: 1991: 286

Type locality: Leiden

Distribution: Australia, Germany, Ghana, Holland, Tanzania

Hosts: *Oniscus asellus* (Isopoda: Onyscidae), *Oxythyrea funesta* (Coleoptera: Scarabaeidae), Passalidae

***Histiostoma (H.) phytophaga* Ewing**

Histiostoma phytophaga Ewing, 1911: 41

Type locality: USA

Distribution: USA

***Histiostoma (H.) piceae* Scheucher**

Histiostoma piceae Scheucher, 1957: 304; Beron, 1973; Takov et al. 2009; Walter & Latonas, 2012

Anoetus piceae (Scheucher): Woodring & Moser, 1970: 1255

Type locality: Erlangen, Nurnberg, Regensburg, Harz

Distribution: Bulgaria, Canada, Croatia, France, Germany, Japan, Slovakia, Sweden, Russia

Host: *Ips typographus* (Coleoptera: Scolytidae)

***Histiostoma (H.) pickaxeii* Eraky et Shoker**

Histiostoma pickaxeii Eraky & Shoker, 1995: 23; Negm & Alatawi, 2011:

Type locality: Egypt

Distribution: Egypt, Saudi Arabia

***Histiostoma (H.) piloseta* Hughes et Jackson**

Histiostoma piloseta Hughes & Jackson, 1958: 100

Type locality: Ellerson, Va.

Distribution: USA

Host: from compost

***Histiostoma (H.) polaki* (Oudemans)**

Anoetus polaki Oudemans, 1914: 72

Histiostoma polaki (Oudemans):

Type locality: Tanzania ("Deutsch Oost Afrika")

Distribution: *Spirostreptes* sp. (Diplopoda: Spirostreptidae)

***Histiostoma (H.) polypori* (Oudemans)**

Anoetus polypori Oudemans, 1914: 72

Histiostoma polypori (Oudemans): Buitendijk, 1945: 362; Behura, 1950: 1025; 1956; 1957: 51; Scheucher, 1957: 298; Chmielewski, 1984: 87; Lotfollahi et al., 2010; Tagami, 2016: 19

Type locality: Holland (Oosterbreek)

Distribution: Germany, Great Britain, Holland, Hungary, Iran, Poland

Hosts: *Eugamasus cornutus* (Acari: Gamasidae), *Forficula auricularia* (Dermaptera: Forficulidae)

***Histiostoma (H.) pontigerum* Mahunka**

Histiostoma pontigerum Mahunka, 1963b: 60

Type locality: Dundo, nr. Cundueji River

Distribution: Angola

***Histiosoma (H.) prodectoris* (Vitzthum)**

Anoetus prodectoris Vitzthum, 1920: 62

Histiosoma prodectoris (Vitzthum):

Type locality: "Bua-Kraeng in Süd-Celebes und Luzon Philippinen"

Distribution: Indonesia (Sulawesi), the Philippines (Luzon)

Hosts: *Prodector fruhstorferi*, *Ectocemus cinnamomeus* (Coleoptera: Brenthidæ)

Histiosoma (H.) prophthalmi (Vitzthum)

Anoetus prophthalmi Vitzthum, 1920: 59

Histiosoma prophthalmi (Vitzthum): Hughes & Jackson, 1958: 107

Type locality: "Vorderindien, einschl. Assam"

Distribution: India

Host: *Prophthalmus potens* (Coleoptera: Brenthidæ)

Histiostoma (H.) protuberans Hughes et Jackson

Histiostoma protuberans Hughes & Jackson, 1958: 109

Type locality: 8 mi west of Richmond, Va.

Distribution: USA

Histiostoma (H.) pseudolongipes Mahunka

Histiostoma pseudolongipes Mahunka, 1992: 398

Type locality: Viti Levu: entre Yanuca et Nadi

Distribution: Fiji

Host: Diplopoda

Histiostoma (H.) pulchrum Kramer

Histiostoma pulchrum Kramer, 1886: 259; Scheucher, 1957: 304

Type locality: Germany

Distribution: England, Germany

Histiostoma (H.) punctaticeps Mahunka

Histiostoma punctaticeps Mahunka, 1963b: 61

Type locality: Dundo, nr. Cundueji River

Distribution: Angola

Histiostoma (H.) pyriforme Michael

Histiostoma pyriforme Michael, 1901: 221

Type locality: Great Britain

Distribution: Great Britain, Italy

Histiostoma (H.) radiferum Scheucher

Histiostoma radiferum Scheucher, 1957: 324

Anoetus radiferum (Scheucher): Sevastianov, 1975: 386

Type locality: Erlangen

Distribution: Germany

Histiostoma (H.) rakha Fawzy et Mtewallii

Histiostoma rakha Fawzy & Mtewallii, 2007: 131

Type locality: Kafr El-Sheikh

Distribution: Egypt

Histiostoma (H.) reticulatissimum Mahunka

Histiostoma reticulatissimum Mahunka, 1978: 123

Type locality: NE Wau, Morobe Distr. 1200 m

Distribution: Papua New Guinea

Histiostoma (H.) reticulofoveolatum Mahunka

Histiostoma reticulofoveolatum Mahunka, 1978: 124

Type locality: Karubana, 1500 m

Distribution: Papua New Guinea

Host: *Amarygmus* [as “Amargynus”] cf. *deformipes* (Coleoptera: Tenebrionidae)

Histiostoma (H.) rettenmeyerorum Mahunka

Histiostoma rettenmeyerorum Mahunka, 1978a: 156

Type locality: Oriente, 00°24S, 76°36'W, Limoncocha

Distribution: Ecuador

Host: *Labidus praedator* (Hymenoptera: Formicidae, Dorylinae)

Histiostoma (H.) rimosum Mahunka

Histiostoma rimosum Mahunka, 1978: 156

Type locality: Oriente, 00°24S, 76°36'W, Limoncocha

Distribution: Ecuador

Host: *Labidum* sp. (Hymenoptera: Formicidae, Dorylinae)

Histiostoma (H.) rizkii Eraky

Histiostoma rizkii Eraky, 1994: 157; Abdelgayed et al., 2019: 32

Type locality: Egypt

Distribution: Egypt

Histiostoma (H.) rostratum Mahunka

Histiostoma rostrata Mahunka, 1978a: 156

Type locality: 4 km W of Villa Neily, 8°40'N, 82°56'W

Distribution: Costa Rica

Host: *Eciton hamatum* (Hymenoptera: Formicidae, Dorylinae)

Histiostoma (H.) ruehmi* ScheucherHistiostoma ruehmi* Scheucher, 1957: 331*Anoetus ruehmi* (Scheucher): Sevastianov, 1975: 400

Type locality: Nürnberg

Distribution: Germany

Host: larve of *Melanotus rufipes* (Coleoptera: Elateridae)***Histiostoma (H.) rugosum* Mahunka***Histiostoma rugosa* Mahunka, 1974b: 382

Type locality: Kumasi

Distribution: Ghana

Histiostoma (H.) sachsi* ScheucherHistiostoma sachsi* Scheucher, 1957: 319*Anoetus sachsi* (Scheucher): Sevastianov, 1975: 400

Type locality: Erlangen

Distribution: Germany

Histiostoma (H.) sapromyzae* (Dufour)Hypopus sapromyzae* Dufour, 1839: 278*Hypopus filicum* Dujardin, 1849: 261*Anoetus sapromyzae*: Oudemans, 1914: 107; Vitzthum, 1926a: 488; Mahunka, 1963c: 497; 1972e: 952*Histiostoma sapromyzae* (Dufour): Vitzthum, 1932: 700; Theodorides, 1955; Scheucher, 1957: 302; Mahunka, 1963e: 369

Type locality: France

Distribution: Argentina, Australia, Bolivia, Brazil, France, Germany, Greece, Holland, Hungary, Italy, Philippines, Syria

Hosts: *Melanotus rufipes* (Coleoptera: Elateridae); *Schizotrachelus bakeri* (Brentidae), *Bubas bubalus* (Scarabaeidae); *Myodes [Clethrionomys] glareolus* (Mammalia: Rodentia)***Histiostoma (H.) sarrai* Eraky et Shoker***Histiostoma sarrai* Eraky & Shoker, 1994: ?

Type locality: Egypt

Distribution: Egypt

Histiostoma (H.) schauenbergi* MahunkaHistiostoma schauenbergi* Mahunka, 1978b: 274

Type locality: Indian Ocean Islands

Distribution: Indian Ocean Islands

Histiostoma (H.) schoutedeni Fain et Elsen*Histiostoma schoutedeni* Fain & Elsen, 1972: 86

Type locality: Mangai on Kasai River

Distribution: DR Congo

Host: *Glossina fuscipes quanzensis* (Diptera: Glossinidae)***Histiostoma (H.) scinditum*** Mahunka*Histiostoma scindita* Mahunka, 1978: 160; Eraky, 2000: 11

Type locality: Oriente, 00°24S, 76°36'W, Limoncocha

Distribution: Ecuador

Host: *Eciton lucanoides* (Hymenoptera: Formicidae, Dorylinae)***Histiostoma (H.) sextoni*** Hughes et Jackson*Histiostoma sextoni* Hughes & Jackson, 1958: 116

Type locality: Chickahominy Swamp, near Ellerson, Va.

Distribution: USA

Host: in duck pen

Histiostoma shiramba Klimov et Khaustov*Histiostoma shiramba* Klimov & Khaustov, 2018: 2375

Type locality: Sakhalin Island

Distribution: Russia (Sakhalin, Primorsky Krai)

Host: in the galleries of *Polygraphus proximus* (Coleoptera: Curculionidae, Scolytinae)***Histiostoma (H.) simile*** Mahunka*Histiostoma simile* Mahunka, 1963a: 34

Type locality: Cavuemba River, Alto Cuílo, Poste de Cacolo

Distribution: Angola

Histiostoma (H.) siphunculinae Chinniah et Mohanasundaram*Histiostoma siphunculinae* Chinniah & Mohanasundaram, 1995: 77

Type locality: Tamil-Nadu

Distribution: India

Host: *Siphunculina* sp. (Diptera: Chloropidae)***Histiostoma (H.) solimani*** Eraky*Histiostoma solimani* Eraky, 1997: 107

Type locality: Assiut

Distribution: Egypt

Histiostoma (H.) spinitarsus (Oudemans)*Anoetus spinitarsus* Oudemans, 1917: 392

Histiostoma spinatarsus (Oudemans): Buitendijk, 1945: 363

Type locality: South America

Distribution: South America

Host: *Phanaeus* sp. (Coleoptera: Scarabaeidae)

Histiostoma (H.) stammeri Scheucher

Histiostoma stammeri Scheucher, 1957: 321

Anoetus stammeri (Scheucher): Sevastianov, 1975: 398

Type locality: Germany

Distribution: Germany

Hosts: *Philonus*, *Ontolestes* (Coleoptera: Staphylinidae)

Histiostoma (H.) strenzkei Scheucher

Histiostoma strenzkei Scheucher, 1957: 326

Type locality: Plön

Distribution: Germany

Histiostoma (H.) striatosimile Mahunka

Histiostoma striatosimile Mahunka, 1975: 48

Type locality: Ghana

Distribution: Ghana

Histiostoma (H.) subsimile Mahunka

Histiostoma subsimile Mahunka, 1963b: 62

Type locality: forest near Mussalomuca River

Distribution: Angola

Host: Col.: Carabidae

Hirstiosoma (H.) sylvestre (Woodring et Moser)

Anoetus gordius of Hughes & Jackson (1958), not *A. gordius* Vitzthum, 1923

Anoetus sylvestris Woodring & Moser, 1970: 1248

Hirstiosoma sylvestre (Woodring et Moser):

Type locality: (Tirol)(Vitzthum, 1923), USA (Ellerson, Va., Hughes & Jackson, 1958)

Distribution: (Austria, Bosna & Herzegovina) (Vitzthum, 1923) USA (Hughes & Jackson, 1958: 70)

Histiostoma (H.) szelenyii Mahunka

Anoetus szelenyii Mahunka, 1974 : 101

Histiostoma (H.) szelenyii Mahunka: Fain & Erteld, 1998: 52

Type locality: Afghanistan

Distribution: Afghanistan

Host: *Halictus holtzi* (Diptera: Halictidae)

Histiostoma (H.) szentivanyi Mahunka

Histiostoma szentivanyi Mahunka, 1978: 126

Type locality: NE Nondugl, 2200–2700 m

Distribution: Papua New Guinea

Host: *Amarygmus* [as “*Amargymus*”] cf. *capillatus* (Coleoptera: Tenebrionidae)

Histiostoma (H.) tanypus Fain et Camerik

Histiostoma tanypus Fain & Camerik, 1978: 171

Type locality: Cotia, Sao Paulu

Distribution: Brazil

Host: Hymenoptera: Vespidae gen. sp.

Histiostoma (H.) tarsalis Banks (nomen dubium)

Histiostoma tarsalis Banks, 1910: 12

Type locality: USA

Distribution: USA

Histiostoma (H.) telatum Mahunka

Histiostoma telatum Mahunka, 1979: 137

Type locality: Tanzania

Distribution: Tanzania

Host: Coleoptera

Histiostoma (H.) tessellata Jacot

Histiostoma tessellata Jacot, 1939: 199

Type locality: Western North Carolina

Distribution: USA

Histiostoma (H.) timidum Fain

Histiostoma timidum Fain, 1974b: 82

Type locality: La Savane de Lamto

Distribution: Ivory Coast

Histiostoma (H.) tinydorsalis Eraky

Histiostoma tinydorsalis Eraky, 1999: 70

Type locality: Upper Egypt (Assiut)

Distribution: Egypt

Histiostoma (H.) titanolabi Tagami et Halliday

Histiostoma titanolabi Tagami & Halliday, 2013: 222

Type locality: Australia

Distribution: Australia

Host: *Titanolabis colossea* (Dermaptera: Anisolabididae)

***Histiostoma (H.) toxopei* (Oudemans)**

Anoetus toxopei Oudemans, 1927: 230

Histiostoma toxopei (Oudemans): Buitendijk, 1945: 363

Type locality: Wai Eno – Wai Temoen, Boeroe

Distribution: Indonesia

***Histiostoma (H.) trichophorum* (Oudemans)**

Anoetus trichophorus Oudemans, 1912: 235

Histiostoma trichophorus (Oudemans): Buitendijk, 1945: 363

Histiostoma trichophorum (Oudemans): Scheucher, 1957: 306

Type locality: Mkulumusi

Distribution: Tanzania

Hosts: *Helops quisquilius*, *Hypophloeus bicolor* (Coleoptera: Tenebrionidae); *Platypus dispar* (Col.: Platypodidae)

***Histiostoma (H.) ulmi* Scheucher**

Histiostoma ulmi Scheucher, 1957: 308;

Anoetus ulmi (Scheucher): Woodring & Moser, 1970: 1256; Sevastianov, 1975: 400

Type locality: Erlangen

Distribution: Germany

Host: *Hypophloeus bicolor* (Coleoptera: Tenebrionidae)

***Histiostoma (H.) umbrosa* Mahunka**

Histiostoma umbrosa Mahunka, 1975b: 51

Type locality: Gambia

Distribution: Gambia

***Histiostoma (H.) unidentatum* Fain, Athias-Binche et Carton**

Histiostoma unidentatum Fain, Athias-Binche & Carton, 1993: 71

Type locality: Thailand

Distribution: Australia, Thailand

Host: *Drosophila bipectinata* (Diptera) imported from Thailand

***Histiostoma (H.) uvafer* Mahunka**

Histiostoma uvafer Mahunka, 1974b: 383

Type locality: Kwadaso

Distribution: Ghana

Histiostoma (H.) uxor Mahunka*Histiostoma uxor* Mahunka, 1974b: 385

Type locality: Tamale

Distribution: Ghana

Histiostoma (H.) validum Banks*Histiostoma valida* Banks, 1906: 141

Type locality: Canada

Distribution: Canada

Histiostoma (H.) varium (Woodring et Moser)*Anoetus varia* Woodring & Moser, 1970: 1243; Moser & Roton, 1971; Moser, 1976: 811;*Histiostoma varia* (Woodring et Moser): Stone & Simpson, 1991;

Type locality: Elizabeth, La., USA

Distribution: Australia, USA, Honduras, Mexico, Canada

Hosts: boring dust of *Ips avulsus*, *I. calligraphus*, *I. grandicollis*, *Dendroctonus frontalis* (Coleoptera: Curculionidae, Scolytinae), phoretic on *Carcinops* sp. (Histeridae) and *Corticeus coynei* (Tenebrionidae)***Histiostoma (H.) variabilis*** Mahunka*Histiostoma variabilis* Mahunka, 1979: 244

Type locality: Cameroon

Distribution: Cameroon

Histiostoma (H.) verruca Jacot*Histiostoma verruca* Jacot, 1939: 201

Type locality: Western North Carolina

Distribution: USA

Histiostoma (H.) verrucogenicula Jacot*Histiostoma verrucogenicula* Jacot, 1939: 200

Type locality: Western North Carolina

Distribution: USA

Hirstiosoma virginianum Woodring et Moser*Hirstiosoma virginiana* Woodring & Moser, 1970: 1255*Hirstiosoma virginianum* Woodring & Moser:

Type locality: Virginia, Florida, Tennessee

Distribution: USA

Histiostoma (H.) volgini Mahunka*Histiostoma volgini* Mahunka, 1979: 138

Type locality: Transvaal, Nylsvley Reservation

Distribution: South Africa

Histiostoma (H.) vulpis (Dujardin)

Hypopus vulpis Dujardin, 1849: 263

Histiostoma vulpis (Dujardin):

Type locality: Transvaal, Nylsvley Reservation

Distribution: South Africa

Histiostoma (H.) watanabei Kurosa

Histiostoma watanabei Kurosa, 2002: 28

Type locality: Japan

Distribution: Japan

Host: Phoretic on *Lathrobium* (*Lathrobium*) (Coleoptera: Staphylinidae)

Histiostoma (H.) wauense Mahunka

Histiostoma wauense Mahunka, 1976b: 311

Type locality: Torricelli Mts.

Distribution: Papua New Guinea

Host: *Platolenes femoratus* (Coleoptera: Tenebrionidae)

Histiostoma (H.) zaheri Fawzy et Mtewallii

Histiostoma zaheri Fawzy & Mtewallii, 2007: 124

Type locality: Kafr El-Sheikh

Distribution: Egypt

Subgenus ***Cavanoetus*** Mahunka

Cavanoetus Mahunka, 1982: 290

Type species: *Histiostoma pierrestrinatii* Mahunka, 1982

Histiostoma (Cavanoetus) pierrestrinatii Mahunka

Histiostoma (Cavanoetus) pierrestrinatii Mahunka, 1982: 290

Type locality: New Mexico

Distribution: USA

Subgenus ***Ichtanoetus*** Fain et Belpaire

Ichtanoetus Fain & Belpaire, 1985: 286

Type species: *Histiostoma anguillarum* Fain et Belpaire, 1985

Histiostoma (Ichtanoetus) anguillarum Fain et Belpaire

Histiostoma (Ichtanoetus) anguillarum Fain & Belpaire, 1985: 287

Type locality: Loire

Distribution: France

Host: from the gills of young eels (*Anguilla Anguilla*, Anguillidae, Anguilliformes)

Histiostoma (Ichthanoetus) cyrtandrae (Vitzthum)

Anoetus cyrtandrae Vitzthum, 1931: 110

Histiostoma (Ichthanoetus) cyrtandrae (Vitzthum): Fain & Belpaire, 1985: 287

Type locality: Java

Distribution: Indonesia

Host: in the axill fluid of *Colocasia indica*

Histiostoma (Ichthanoetus) nigrellii Hughes et Jackson

Histiostoma nigrellii Hughes & Jackson, 1958: 95

Histiostoma (Ichthanoetus) nigrellii: Fain & Belpaire, 1985: 287

Type locality: aquarium in New York

Distribution: USA

Host: goldfish tank

Histiostoma (Ichthanoetus) ocellatum Fain et Lambrechts

Histiostoma (Ichthanoetus) ocellatum Fain & Lambrechts, 1987: 95

Type locality: aquarium containing *Discus* fish, Antwerp

Distribution: Holland

Histiostoma (Ichthanoetus) piscium Fain et Lambrechts

Histiostoma piscium Fain & Lambrechts, 1985: 121; Tagami, 2016:

Histiostoma (Ichthanoetus) piscium: Fain & Belpaire, 1985: 287

Type locality: aquarium in Antwerpen (imported from Thailand)

Distribution: Japan, Thailand

Hosts: *Pangasius sutchi* (Pisces: Siluriformes, Pangasiidae); *Periplaneta fuliginosa* (Dermaptera: Blattidae)

Genus ***Hormosianoetus*** Fain

Hormosianoetus Fain, 1980: 753

Type species: *Hormosianoetus aeschlimanni* Fain, 1980

Hormosianoetus aeschlimanni Fain

Hormosianoetus aeschlimanni Fain, 1980: 756; Eraky & Shoker 1993: 56

Type locality: Zurich

Distribution: Switzerland

Host: *Drosophila* sp. (Diptera: Drosophilidae)

Hormosianoetus laboratorium (Hughes)*Histiostoma laboratorium* Hughes, 1950: 177; Scheucher, 1957: 333? *Histiostoma genetica* (Stolpe, 1938)*Hormosianoetus laboratorium* (Hughes): Fain, Athias-Binche & Carton, 1993: 75

Type locality: Switzerland

Distribution: Guadeloupe, Morocco, Switzerland

Hosts: *Drosophyla willstoni*, *D. subobscura* (Diptera: Drosophilidae)***Hormosianoetus mahunkai*** Eraky et Shoker*Hormosianoetus mahunkai* Eraky & Shoker, 1993: 53; Eraky & Mohamed, 2019: 2

Type locality: from Sohag governorate

Distribution: Egypt

Host: from *Fusarium* culture***Hormosianoetus mallotae*** (Fashing)*Mauduytia mallotae* Fashing, 1973: 455*Hormosianoetus mallotae*: Fain, 1980: 755

Type locality: Johnson County (Texas)

Distribution: USA (Texas, Pennsylvania, Illinois)

Hosts: *Mallota posticata*, *M. bautius* (Diptera: Syrphidae)Genus ***Hymenanoetus*** Mahunka*Hymenanoetus* Mahunka, 1963a: 39Type species: *Hymenanoetus nodosus* Mahunka, 1963***Hymenanoetus nodosus*** Mahunka*Hymenanoetus nodosus* Mahunka, 1963a: 39

Type locality: Angola, Lumeje II, N of Santando Station of C.F.B., Poste de Bussaco (80 km E of Luso)

Distribution: Angola

Genus ***Insulanoetus*** Sevastyanov*Insulanoetus* Sevastyanov, 1973: 855Type species: *Insulanoetus brachypodus* Sevastyanov, 1973***Insulanoetus brachypodus*** Sevastyanov*Insulanoetus brachypodus* Sevastyanov, 1973: 856

Type locality: Jaralgach Island (Black Sea)

Distribution: Crimea

Hosts: *Bledius bicornis*, *B. sarmaticus* (Coleoptera: Staphylinidae, Oxythelinae)

Genus **Kanoetus** Samšinák*Kanoetus* Samšinák, 1966: 126Type species: *Kanoetus cubanus* Samšinák, 1966***Kanoetus australis*** Mahunka*Kanoetus australis* Mahunka, 1975a: 60

Type locality: Kpington

Distribution: South Africa

Kanoetus contrasetosus Mahunka*Kanoetus contrasetosus* Mahunka, 1974 : 388

Type locality: Banda-Nkwanta

Distribution: Ghana

Kanoetus cubanus Samšinák*Kanoetus cubanus* Samšinák, 1966: 126

Type locality: Cuba

Distribution: Cuba

Kanoetus samsinaki Mahunka*Kanoetus samsinaki* Mahunka, 1974: 386

Type locality: Kumasi

Distribution: Ghana

Genus **Kaszabanoetus** Mahunka*Kaszabanoetus* Mahunka, 1976b: 317Type species: *Kaszabanoetus ulomae* Mahunka, 1976***Kaszabanoetus ulomae*** Mahunka*Kaszabanoetus ulomae* Mahunka, 1976b: 318

Type locality: Akcagoga

Distribution: Turkey

Host: *Uloma culinaria* (Coleoptera: Tenebrionidae)Genus **Loxanoetus** Fain*Loxanoetus* Fain, 1970: 173Type species: *Loxanoetus bassoni* Fain, 1970 [Redescription, Fain 1983: 847]***Loxanoetus bassoni*** Fain*Loxanoetus bassoni* Fain, 1970: 173; Fain & Zumpt, 1974: 99; Fain 1983: 847

Type locality: Kruger Park (South Africa)

Distribution: South Africa, Namibia, Uganda

Hosts: *Loxodonta africana* (Mammalia, Proboscidea: Elephantidae), *Syncerus caffer* (Artiodactyla: Bovidae)

Loxanoetus lenae Domrow et Ladds

Loxanoetus lenae Domrow & Ladds, 1984: 759

Type locality: Townsville, Queensland

Distribution: from zoo in Australia

Host: *Elephas maximus* (Mammalia, Proboscidea: Elephantidae)

Genus ***Munduytia*** Oudemans

Munduytia Oudemans, 1929: 450 [also "*Mauduytia*" in Scheucher, 1957]

Type species: *Anoetus tropicus* Oudemans, 1911

Munduytia tropicus (Oudemans)

Anoetus tropicus Oudemans, 1911a: 190

Munduytia tropicus (Oudemans): Oudemans, 1929: 450

Mauduytia tropicus: Scheucher, 1957: 379

Type locality: Java, Banjoewangi

Distribution: Indonesia (Java)

Host: Blattodea fam., gen. sp.

Genus ***Nepenthacarus*** Fashing

Nepenthacarus Fashing, 2002: 8

Type species: *Nepenthacarus warreni* Fashing, 2002

Nepenthacarus warreni Fashing

Nepenthacarus warreni Fashing, 2002: 8

Type locality: Far North Queensland

Distribution: Australia

Genus ***Otanoetus*** Fain et Zumpt

Otanoetus Fain & Zumpt, 1974: 100 [placement?]

Type species: *Otanoetus wetzeli* Fain et Zumpt, 1974

Otanoetus wetzeli Fain et Zumpt

Otanoetus wetzeli Fain & Zumpt, 1974: 100

Type locality: Karumu Game Reserve (Uganda)

Distribution: Namibia, Uganda

Hosts: *Loxodontha africana* (Proboscidea: Elephantidae), *Syncerus caffer* (Artiodactyla: Bovidae)

Genus **Ovanoetus** Fain et van Goethem*Ovanoetus* Fain & van Goethem, 1985: 227Type species: *Ovanoetus wautersi* Fain et van Goethem, 1985***Ovanoetus wautersi*** Fain et van Goethem*Ovanoetus wautersi* Fain & van Goethem, 1985: 228

Type locality: St. Vincent Republic, Grenadines Isl., Bequia Id. (Windward Group)

Distribution: St. Vincent Republic, Grenadines Isl., Bequia Id. (Windward Group)

Host: *Coenobita clypeata* (Crustacea: Paguridae)Genus **Peripatetes** Mahunka*Peripatetes* Mahunka, 1976b: 315Type species: *Peripatetes acanthotarsus* Mahunka, 1976***Peripatetes acanthotarsus*** Mahunka*Peripatetes acanthotarsus* Mahunka, 1976b: 315

Type locality: Budafok

Distribution: Hungary

Host: Staphylinidae (Coleoptera)

Genus **Porrhanoetus** Mahunka*Porrhanoetus* Mahunka, 1963a: 41Type species: *Porrhanoetus machadoi* Mahunka, 1963***Porrhanoetus machadoi*** (Mahunka)*Porrhanoetus machadoi* (Mahunka): Mahunka, 1963a: 41; 1967: 168

Type locality: Angola, Cavuemba River, Alto Cuílo, Poste de Cacolo

Distribution: Angola, Congo - Brazzaville

Genus **Probonomoia** Fain et Rack*Probonomoia* Fain & Rack, 1987: 70Type species: *Probonomoia columbiana* Fain et Rack, 1987***Probonomoia africana*** (Mahunka)*Bonomoia africana* Mahunka, 1967: 171*Probonomoia africana* (Mahunka): Fain & Rack 1987: 71

Type locality: Mount Foari Reservation

Distribution: Congo (Brazzaville)

Probonomoia chrysis Dimitrieff et Fain*Probonomoia chrysis* Dimitrieff & Fain, 1994: 105

Type locality: Spain

Distribution: Spain

Host: *Chrysis* sp. (Hymenoptera: Chrysididae)

Probonomoia columbiana Fain et Rack

Probonomoia columbiana Fain & Rack, 1987: 71

Type locality: Paramo de Chisaca, 40 km south of Bogota

Distribution: Columbia

Host: from the flower of *Espeletia grandiflora* (Asteraceae)

Probonomoia congoensis (Fain et Elsen)

Bonomoia congoensis Fain & Elsen, 1972: 89

Probonomoia congoensis (Fain et Elsen): Fain & Rack, 1987: 71

Type locality: Mongati

Distribution: DR Congo

Host: *Glossina fuscipes quanzensis* (Diptera: Glossinidae)

Probonomoia humprehti (Samšínák)

Bonomoia humprehti Samšínák, 1956: 354

Probonomoia humprehti (Samšínák): Klimov & Khausov, 2018: 2411

Type locality: Czech Republic

Distribution: Czech Republic, Hungary, Romania

Hosts: *Laphria flava* (Diptera: Asilidae), *Ips* spp. (Coleoptera: Cuculionidae, Scolytinae),
Acanthocinus aedilis (Col.: Cerambycidae)

Probonomoia opuntiae Wirth

Bonomoia opuntiae Wirth, 2005: 303

Probonomoia opuntiae (Wirth):

Type locality: Sardinia

Distribution: Sardinia, Corsica, Canary Islands (Gomera)

Probonomoia pini (Scheucher)

Bonomoia pini Scheucher, 1957: 366; Mahunka, 1970: 68; Woodring & Moser, 1970: 1256;

Probonomoia pini (Scheucher): Fain & Rack 1987: 71; Khaustov et al., 2018: 62

Type locality: Erlangen (Germany)

Distribution: Croatia, Czech Republic, England, Finland, Germany, Hungary, Japan, Poland, Russia

Hosts: *Hylaster ater*, *Ips acuminatus*, *I. cembrae*, *I. typographus* (Coleoptera: Curculionidae, Scolytinae), *Dorcus parallelipipedus* (Coleoptera: Lucanidae), *Acanthocinus aedilis* (Col.: Cerambycidae), *Helops quisquilius* (Col.: Tenebrionidae)

Probonomoia sibirica* (Wirth)Bonomoia sibirica* Wirth, 2016: 99*Probonomoia sibirica*: Khaustov et al., 2018: 64

Type locality: Tyumen Prov., East of Tyumen

Distribution: Russia

Hosts: *Dendroctonus micans*, *Ips typographus* (Coleoptera: Curculionidae, Scolytinae)***Probonomoia spinifera* (Scheucher)***Bonomoia spinifera* Scheucher, 1957: 367*Probonomoia spinifera* (Scheucher): Fain & Rack, 1987: 71

Type locality: Erlangen

Distribution: Germany, Slovakia

Genus ***Prowichmannia*** Radford*Wichmannia* Oudemans, 1929: 450 [praeocc.]*Prowichmannia* Radford, 1950: 222Type species: *Histiostoma spiniferum* Michael, 1901***Prowichmannia spiniferum* (Michael)***Histiostoma spinifera* Michael, 1901: 215; Oudemans, 1903:*Anoetus spiniferus* Michael: Oudemans, 1902: 46*Wichmannia spiniferum* (Michael): Oudemans, 1929:*Wichmannia spiniferus* (Michael): Buitendijk, 1945: 361*Wichmannia spinifera* (Michael): Scheucher, 1957: 370*Prowichmannia spiniferum* (Michael): Radford, 1950: [160]; Beron, 1973: 22*Prowichmannia spinifera* (Michael): Mahunka, 1970: 72; Krivoluclyi, 1975: 413

Type locality: England

Distribution: Bulgaria, England, Germany, Hungary, Poland, Ukraine

Hosts: *Cetonia aurata* (Coleoptera: Scarabaeidae); many species of Mammals (Soricomorpha and Rodentia)***Prowichmannia stammeri* (Scheucher)(new combination)***Wichmannia stammeri* Scheucher, 1957: 374*Prowichmannia stammeri*: p.p.

Type locality: Erlangen

Distribution: Germany

Prowichmannia talpae* (Scheucher)Wichmannia talpae* Scheucher, 1957: 372*Prowichmannia talpae*: Zamec, 2014:

Type locality: England

Distribution: Germany, Slovakia

Host: nest of *Talpa europaea* (Soricomorpha: Talpidae)

Genus ***Psyllanoetus*** Fain et Beaucournu

Psyllanoetus Fain et Beaucournu, 1973: 516

Type species: *Psyllanoetus* Fain et Beaucournu, 1973

Psyllanoetus afropulicarius Fain et Beaucournu

Psyllanoetus afropulicarius Fain & Beaucournu, 1973: 516

Type locality: Lemera, Kivu

Distribution: DR Congo

Hosts: *Listropsylla dolosa* (Siphonaptera: Hystrichopsyllidae), ex *Praomys jacksoni* (Rodentia: Muridae), *Stivalius torvus* (Siphonaptera), ex *Hybomys univittatus* (Rodentia), *Dinopsyllus apistus* (Siphonaptera), *Ctenophthalmus devignati* (Siphonaptera), ex *H. univittatus* (Rodentia)

Psyllanoetus dinopsyllus Fain et Beaucournu

Psyllanoetus dinopsyllus Fain et Beaucournu, 1973: 517

Type locality: Lemera, Kivu

Distribution: DR Congo

Hosts: *Dinopsyllus apistus* (Siphonaptera), ex *Praomys jacksoni* (Rodentia: Muridae), *Ctenophthalmus debrauweri* (Siphonaptera), ex *Praomys jacksoni* (Rodentia), *Ct. calceatus cabirus* (Siphonaptera), ex *Otomys* sp. (Rodentia)

Psyllanoetus melesicola Fain et Beaucournu

Psyllanoetus melesicola Fain & Beaucournu, 1973: 516

Type locality: Les Sieges, Yonne

Distribution: France

Host: *Paraceras melis* (Siphonaptera: Ceratophyllidae), ex *Meles meles* (Carnivora: Mustelidae)

Genus ***Pteranoetus*** Mahunka

Pteranoetus Mahunka, 1978: 128

Type species: *Pteranoetus kaszabi* Mahunka, 1978

Pteranoetus incertus Mahunka

Pteranoetus incertus Mahunka, 1978a: 162

Type locality: Puerto Viejo, 10°26'N, 83°56'

Distribution: Costa Rica

Host: *Eciton burchelli* (Hymenoptera: Formicidae, Dorylinae)

Pteranoetus kaszabi Mahunka*Pteranoetus kaszabi* Mahunka, 1978: 128

Type locality: NE Nondugl, 2200–2700 m

Distribution: Papua New Guinea

Pteranoetus latus Mahunka*Pteranoetus latus* Mahunka, 1978a: 162

Type locality: Oriente, 00°24'S, 76°36'W, Limoncocha

Distribution: Ecuador

Pteranoetus rettenmeyeri Mahunka*Pteranoetus rettenmeyeri* Mahunka, 1978a: 166

Type locality: Oriente, 00°24'S, 76°36'W, Limoncocha

Distribution: Ecuador

Host: *Neivamyrmex gradualis* (Hymenoptera: Formicidae, Dorylinae)Genus ***Rhaphidothrix*** Mahunka*Rhaphidothrix* Mahunka, 1967: 173Type species: *Rhaphidothrix gozmanyi* Mahunka, 1967***Rhaphidothrix gozmanyi*** Mahunka*Rhaphidothrix gozmanyi* Mahunka, 1967a: 173

Type locality: Kindamba, Meya, Louolo river

Distribution: Rep. of the Congo (Brazzaville)

Rhaphidothrix punctolineatus Mahunka*Rhaphidothrix punctolineatus* Mahunka, 1973a: 106; 1979: 128

Type locality: Pretsea

Distribution: Ghana

Host: Coleoptera

Rhaphidothrix simplex Mahunka*Rhaphidothrix simplex* Mahunka, 1974b: 390

Type locality: Kumasi

Distribution: Ghana

Genus ***Rhopalanoetus*** Scheucher*Rhopalanoetus* Scheucher, 1957: 362Type species: *Anoetus lanceocrinus* Oudemans, 1914

***Rhopalanoetus bifurcatus* Mahunka**

Rhopalanoetus bifurcatus Mahunka, 1961b: 529; 1965: 449; 1969b: 371

Rhopalanoetus furcatus Mahunka: Samšiniák, 1962

Type locality: Mt Meru, eastern slope (Tanzania)

Distribution: Rep. of the Congo (Brazzaville), Tanzania, DR Congo

Host: elephant excrement; *Onitis sphinx* (Coleoptera: Scarabaeidae)

***Rhopalanoetus chinensis* Samšiniák**

Rhopalanoetus chinensis Samšiniák, 1962b: 188

Type locality: Kanton [Guandong]

Distribution: China

Host: *Oniticellus cinctus* (Coleoptera: Scarabaeidae)

***Rhopalanoetus endroedyyoungai* Mahunka**

Rhopalanoetus endroedyyoungai Mahunka, 1979: 144

Type locality: Transvaal, Nylsvley Res., 35 km NE from Pretoria

Distribution: South Africa

***Rhopalanoetus fimetarius* (G. Canestrini et Berlese)**

Histiostoma fimetarium Canestrini & Berlese, 1881: 150 (not *Histiostoma fimetarius* sensu Hughes & Jackson, 1958)

Rhopalanoetus fimetarius (G. Canestrini et Berlese): Samsinak, 1962: 96; Mahunka, 1970: 66; Bongers et al., 1985: 48

Anoetus lanceocrinus Oudemans, 1914: 72

Histiostoma lanceocrinus: Buitendijk, 1945: 362; Hughes & Jackson, 1958: 82

Rhopalanoetus lanceocrinus: Scheucher, 1957: 362; Mahunka, 1962: 117

Anoetus tienhoveni Oudemans, 1926: 123 – Type loc.: Naardelmeer, Holland

Histiostoma tienhoveni: Buitendijk, 1945: 363

Type locality: Padova (Italy)

Distribution: Holland, Hungary, Italy

***Rhopalanoetus gladifer* Mahunka**

Rhopalanoetus gladifer Mahunka, 1969b: 372

Type locality: Mt Meru, eastern slope

Distribution: Tanzania

***Rhopalanoetus heterotrichus* Mahunka**

Rhopalanoetus heterotrichus Mahunka, 1973: 111

Type locality: Ghana

Distribution: Ghana

Rhopalanoetus hirsutus* MahunkaRhopalanoetus hirsutus* Mahunka, 1973a: 305

Type locality: Nakpanduri

Distribution: Ghana

Rhopalanoetus lanceocrinus* (Oudemans)Anoetus lanceocrinus* Oudemans, 1914: 72*Rhopalanoetus lanceocrinus* (Oudemans): Scheucher, 1957: 362

Type locality: Holland

Distribution: Germany, Holland

Hosts: *Aphodius fimetarius*, *A. fossor*, *A. merdarius*, *Geotrupes stercorarius* (Coleoptera: Scarabaeidae), *Sphaeridium* sp. (Col.: Hydrophilidae)***Rhopalanoetus robustus* Mahunka***Rhopalanoetus robustus* Mahunka, 1973a: 112

Type locality: Meru

Distribution: Tanzania

Rhopalanoetus simplex* SamšínákRhopalanoetus simplex* Samšínák, 1962b: 187

Type locality: Kanton [Guandong]

Distribution: China

Host: *Oniticellus cinctus* (Coleoptera: Scarabaeidae)***Rhopalanoetus trogicola* (Fain, Vangeluwe, Degreef et Wauthy)***Histiostoma trogicola* Fain, Vangeluwe, Degreef & Wauthy, 1993: 13*Rhopalanoetus trogicola* (Fain, Vangeluwe, Degreef et Wauthy): Mašan, 2000:

Type locality: near Namur (Belgium)

Distribution: Belgium, Slovakia

Hosts: *Trox scaber*, *T. cadaverinus* (Coleoptera: Trogidae)**Genus *Richardanoetus* Samšínák***Richardanoetus* Samšínák, 1989: 99Type species: *Richardanoetus demel* Samšínák, 1989***Richardanoetus demel* Samšínák***Richardanoetus demel* Samšínák, 1989: 99

Type locality: Fuvo

Distribution: Ecuador

Host: *Richardia* sp. (plant)

Genus ***Sarraceniopus*** Fashing et OConnor

Sarraceniopus Fashing & OConnor, 1984: 217

Type species: *Zwickia gibsoni* Nesbitt, 1954

Sarraceniopus darlingtoniae Fashing et OConnor

Sarraceniopus darlingtoniae Fashing & OConnor, 1984: 219

Type locality: pitchers of *Darlingtonia californica*, Darlingtonia wayside, Lane County, Oregon

Distribution: USA (Oregon)

Sarraceniopus gibsoni (Nesbitt)

Zwickia gibsoni Nesbitt, 1954: 454

Anoetus gibsoni (Nesbitt): Atyeo, 1978: 244

Sarraceniopus gibsoni (Nesbitt): Fashing & OConnor, 1984: 219

Type locality: Danford Lake Area, Quebec

Distribution: Canada (N.S., Quebec, Ontario)

Host: the pitchers of *Sarracenia purpurea* (Sarraceniaceae)

Sarraceniopus hughesi (Hunter et Hunter)

Anoetus hughesi Hunter & Hunter, 1964: 39

Sarraceniopus hughesi (Hunter & Hunter): Fashing & OConnor, 1984: 219; Tagami, 2004: 169

Type locality: Georgia and North Carolina (USA)

Distribution: Japan (imported with plants), USA

Host: *Sarracenia* plants

Genus ***Scheucheria*** Mahunka

Scheucheria Mahunka, 1969a: 184

Type species: *Scheucheria mongolica* Mahunka, 1969

Scheucheria mongolica Mahunka

Scheucheria mongolica Mahunka, 1969a: 184

Type locality: Mongolia

Distribution: Mongolia

Genus ***Scutanoetus*** Mahunka

Scutanoetus Mahunka, 1969b: 367 [placement?]

Type species: *Scutanoetus permixtus* Mahunka, 1969

Scutanoetus permixtus Mahunka

Scutanoetus permixtus Mahunka, 1969b: 367

Type locality: Mt Meru, eastern slope

Distribution: Tanzania

Genus **Sellea** Oudemans

Sellea Oudemans, 1929: 449

Type species: *Histiostoma pulchrum* Kramer, 1886

Sellea pulchrum (Kramer)

Histiostoma pulchrum Kramer, 1886: 259; Li et al., 1992

Sellea pulchrum (Kramer): Oudemans, 1929: 449; Hughes & Jackson, 1958: 175

Type locality: Germany

Distribution: England, Germany, China

Genus **Semianoetus** Mahunka

Semianoetus Mahunka, 1976b: 313

Type species: *Semianoetus mrcziaki* Mahunka, 1976

Semianoetus banksi Mahunka

Semianoetus banksi Mahunka, 1979: 341

Type locality: Puntarenas, Monteverde, 1400 m

Distribution: Costa Rica

Semianoetus mrcziaki Mahunka

Semianoetus mrcziaki Mahunka, 1976b: 313

Type locality: Budapest, Hűvösvölgy

Distribution: Hungary

Genus **Spinanoetus** Scheucher

Spinanoetus Scheucher, 1957: 357

Type species: *Spinanoetus pelznerae* Scheucher, 1957

Spinanoetus heterotrichus Mahunka

Spinanoetus heterotrichus Mahunka, 1962: 432; Kaluz, 1992:

Type locality: Dunazuggebirge, Sikáros

Distribution: Hungary, Slovakia

Spinanoetus pelznerae Scheucher

Spinanoetus pelznerae Scheucher, 1957: 358; Káluz, 1993; Haitlinger, 2004:

Type locality: Erlangen

Distribution: Germany, Hungary, Poland

Hosts: *Necrophorus interruptus*, *Oeceoptoma thoracica*, *Thanatophilus rugosus*, *Th. sinuatus* (Coleoptera: Silphidae)

Spinanoetus variabilis Mahunka

Spinanoetus variabilis Mahunka, 1973a: 109

Type locality: Nakpanduri

Distribution: Ghana

Spinanoetus weingaertnerae Scheucher

Spinanoetus weingaertnerae Scheucher, 1957: 360; Haitlinger, 2004; Zamec, 2014

Type locality: Erlangen

Distribution: Germany, Hungary, Poland, Slovakia

Hosts: *Emus hirtus*, *Ontolestes* sp., *Philontus* sp. (Coleoptera: Staphylinidae)

Genus ***Stercoranoetus*** Mahunka et Mahunka-Papp

Stercoranoetus Mahunka & Mahunka-Papp, 1991: 285

Type species: *Stercoranoetus harteni* Mahunka et Mahunka-Papp, 1991

Stercoranoetus harteni Mahunka et Mahunka-Papp

Stercoranoetus harteni Mahunka & Mahunka-Papp, 1991: 285

Type locality: Santiago: Santa Cruz

Distribution: Cabo Verde

Stercoranoetus woolleyi (Mahunka et Eraky)

Histiostoma woolleyi Mahunka & Eraky, 1987: 135

Stercoranoetus woolleyi (Mahunka et Eraky): Mahunka & Mahunka-Papp, 1991: 285

Type locality: Hungary

Distribution: Hungary

Genus ***Synanoetus*** Mahunka

Synanoetus Mahunka, 1972d: 311

Type species: *Synanoetus baloghi* Mahunka, 1972

Synanoetus baloghi Mahunka

Synanoetus baloghi Mahunka, 1972d: 311

Type locality: Las Cardas (Prov. Coquimbo)

Distribution: Chile

Genus ***Syringanoetus*** Fain

Syringanoetus Fain, 1980: 116

Type species: *Syringanoetus vandenberghi* Fain, 1980

Syringanoetus faini Mahunka et Eraky*Syringanoetus faini* Mahunka & Eraky, 1987: 137

Type locality: Hungary

Distribution: Hungary

Syringanoetus vandenberghi Fain*Syringanoetus vandenberghi* Fain, 1980: 116; Mahunka & Eraky 1987: 137

Type locality: Rugege Forest, 2500 m, 75 km from Butare

Distribution: Rwanda

Genus ***Teinokyra*** Mahunka*Teinokyra* Mahunka, 1973a: 306Type species: *Teinokyra lineata* Mahunka, 1973***Teinokyra lineata*** Mahunka*Teinokyra lineata* Mahunka, 1973a: 307

Type locality: Pretsea

Distribution: Ghana

Genus ***Tensiostoma*** Wurst et Kovac*Tensiostoma* Wurst & Kovac, 2003: 65Type species: *Tensiostoma veliaphilum* Wurst et Kovac, 2003***Tensiostoma veliaphilum*** Wurst et Kovac, 2003*Tensiostoma veliaphilum* Wurst & Kovac, 2003: 66

Type locality: Selangor, Darul Ehsan, Ulu Gombak Field Studies Centre, Univ. of Malaya

Distribution: Malaysia (Selangor)

Hosts: *Lathriovelia rickmersi*, *L. capitata* (Heteroptera: Veliidae)Genus ***Traskorchestianoetus*** Fain et Colloff*Traskorchestianoetus* Fain & Colloff, 1990: 667Type species: *Traskorchestianoetus spiceri* Fain et Colloff, 1990***Traskorchestianoetus brevipes*** Fain et Colloff*Traskorchestianoetus brevipes* Fain & Colloff, 1990: 672

Type locality: Dianna Island, Dodger Sound, British Columbia

Distribution: Canada

Host: *Traskorchestia traskiana* (Crustacea: Talitridae); marine***Traskorchestianoetus spiceri*** Fain et Colloff*Traskorchestianoetus spiceri* Fain & Colloff, 1990: 668

Type locality: Dianna Island, Dodger Sound, British Columbia

Distribution: Canada

Host: *Traskorchestia traskiana* (Crustacea: Talitridae); marine

Genus ***Xenanoetus*** Mahunka

Xenanoetus Mahunka, 1969: 359

Type species: *Xenanoetus vestigialis* Mahunka, 1969

Xenanoetus afrotropicalis Fain

Xenanoetus afrotropicalis Fain, 1984: 281

Type locality: Kamobuga, Rugege Forest, 2500 m

Distribution: Rwanda

Host: elephant dung

Xenanoetus grandiceps Mahunka

Xenanoetus grandiceps Mahunka, 1973: 61

Type locality: Mongolia

Distribution: Mongolia

Xenanoetus kabrt Samšiniák

Xenanoetus kabrt Samšiniák, 1989: 103

Type locality: DR Congo

Distribution: DR Congo

Host: *Gymnometopina kibokoensis* (Diptera: Sphaeroceridae)

Xenanoetus kofrankova Samšiniák

Xenanoetus kofrankova Samšiniák, 1989: 101

Type locality: Washington

Distribution: USA

Host: *Coproica acutangula* (Diptera: Sphaeroceridae)

Xenanoetus vestigialis Mahunka

Xenanoetus vestigialis Mahunka, 1969a: 359

Type locality: Finland

Distribution: Finland

Host: *Sphaeridium* sp. (Coleoptera: Hydrophilidae)

Genus ***Zwickia*** Oudemans

Zwickia Oudemans, 1924: 310 [Diagnostic, Nesbitt 1979: 1205]

Type species: *Anoetus guentheri* Oudemans, 1915

***Zwickia colocasiae* (Vitzthum)**

Anoetus colocasiae Vitzthum, 1931: 118

Zwickia colocasiae (Vitzthum): Hughes & Jackson, 1958: 182

Type locality: Ngebal Lake

Distribution: Indonesia (Java)

***Zwickia guentheri* (Oudemans)**

Anoetus guentheri Oudemans, 1915: 242

Zwickia guentheri (Oudemans): Oudemans, 1924: 310; Vitzthum, 1931: 123; Hughes & Jackson, 1958: 177

Type locality: Sri Lanka

Distribution: Sri Lanka

Host: in pitchers of *Nepenthes distillatoria*

***Zwickia nepenthesiana* Hirst**

Zwickia nepenthesiana Hirst, 1928: 19; Vitzthum, 1931: 131

Type locality: Singapore

Distribution: Singapore

Host: from the pitchers of *Nepenthes ampullaria*

Subfamily *Myianoetinae* Scheucher

Myianoetini Scheucher, 1957: 337

Myianoetinae: Fain, 1974: 58

Type genus: *Myianoetus* Oudemans, 1929

Genus *Myianoetus* Oudemans

Myianoetus Oudemans, 1929: 499

Anoetostoma Womersley, 1941: 485 [Type is *oudemansi*; syn. by Fain & Domrow 1980: 41]

Type species: *Acarus muscarum* Linnaeus, 1758

***Myianoetus africanus* Mahunka**

Myianoetus africanus Mahunka, 1979d: 141

Type locality: Kenya

Distribution: Kenya

***Myianoetus antipodus* Fain et Galloway**

Myianoetus antipodus Fain & Galloway, 1993: 106; Clark, 2009: 31; 2010a: 9

Type locality: Motunau Island

Distribution: New Zealand

Host: *Eudyptula minor albosignata* (Aves: Spheniscidae)

Myianoetus assiuti Eraky, Abdel-Aziz et Abo-Elmaged

Myianoetus assiuti Eraky, Abdel-Aziz & Abo-Elmaged, 2020: 78

Type locality: Assiut, Upper Egypt

Distribution: Egypt

Myianoetus brevis Fain

Myianoetus brevis Fain, 1984: 287

Type locality: Rugege forest, 75 km from Butare, 2300 m

Distribution: Rwanda

Host: elephant dung

Myianoetus clavatus Mahunka

Myianoetus clavatus Mahunka, 1963d: 369; 1970: 51

Type locality: Hortobágy-Máta

Distribution: Hungary

Host: *Spermophilus* [*Citellus*] *citellus* (Rodentia: Sciuridae)

Myianoetus copromyzae Fain, Britt et Molyneux

Myianoetus copromyzae Fain, Britt & Molyneux, 1980: 402

Type locality: Scotland

Distribution: Scotland

Host: *Copromyza* sp. (Diptera: Sphaeroceridae)

Myianoetus digitiferus (Trägårdh)

Histiostoma digitifera Trägårdh, 1904: 67

Anoetus digitiferus (Trägårdh): Vitzthum, 1925: 155

Myianoetus digitiferus (Trägårdh): Willmann, 1937: 183

Type locality: Greenland

Distribution: Greenland, Germany

Host: *Heleomyza* [*Blepharoptera*] *serrata* (Diptera: Helomyzidae)

Myianoetus dionychus (Oudemans)

Anoetus dionychus Oudemans, 1910: 50

Myianoetus diadematus Willmann, 1937: 182

Myianoetus dionychus (Oudemans): Scheucher, 1957: 339

Type locality: Holland (Maastricht)

Distribution: France, Germany, Holland, Hungary, Romania, Slovakia

Hosts: flies (Diptera: Heleomyzidae); *Plecotus auritus* (Chiroptera: Vespertilionidae)

Myianoetus domrowi (Fain)

Anoetostoma domrowi Fain, 1968: 246

Myianoetus domrowi (Fain)

Type locality: Butemu Village, Finisterre Range, Madang Central District

Distribution: Papua New Guinea

Myianoetus dycei Fain et Domrow

Myianoetus dycei Fain & Domrow, 1980: 41

Type locality: Queensland, Rockhampton

Distribution: Australia

Host: *Culicoides brevitarsis* (Diptera: Ceratopogonidae)

Myianoetus filicum (Dujardin)

Hypopus filicum Dujardin, 1841: 261

Myianoetus filicum (Dujardin):

Type locality: France

Distribution: France, Hungary

Myianoetus granatum Eraky

Myianoetus granatum Eraky, 2020: 153

Type locality: Assiut

Distribution: Egypt

Myianoetus heterotrichus Mahunka

Myianoetus heterotrichus Mahunka, 1968: 252

Type locality: Hungary

Distribution: Hungary

Myianoetus kaszabi Mahunka

Myianoetus kaszabi Mahunka, 1967c: 19

Type locality: Chentej aimak, 7 km NE of Somon Mörön

Distribution: Mongolia

Myianoetus lili Eraky

Myianoetus lili Eraky, 1993: 47; Negm & Alatawi, 2011: 97; Abdelgayed et al., 2019: 32

Type locality: Assiut, upper Egypt

Distribution: Egypt, Saudi Arabia

Host: manure

Myianoetus longisetosus Mašan et Krištofik

Myianoetus longisetosus Mašan & Krištofik, 1992: 84

Type locality: Slovakia

Distribution: Slovakia

Host: *Hydrotaea* sp. (Diptera: Muscidae)

Myianoetus manurei Eraky, Abdel-Aziz et Abo-Elmaged

Myianoetus manurei Eraky, Abdel-Aziz & Abo-Elmaged, 2020: 76

Type locality: Assiut, Upper Egypt

Distribution: Egypt

Myianoetus micromaculatus Fain et Philips

Myianoetus micromaculatus Fain & Philips, 1979: 151

Type locality: Syracuse, N.Y.

Distribution: USA

Host: in the nest of *Otus asio* (Aves: Strigiformes)

Myianoetus microti Sevastianov et Vysotskaya

Myianoetus microti Sevastianov & Vysotskaya, 1971: 41

Type locality: Transcarpatian

Distribution: Ukraine

Host: in the nest of rodents

Myianoetus mlcoch Samšínák

Myianoetus mlcoch Samšínák, 1989: 94

Type locality: Pullman, Washington

Distribution: USA

Host: *Copromyza (Borborillus) sordidus* (Diptera: Sphaeroceridae)

Myianoetus muscarum (Linnaeus)

Acarus muscarum Linnaeus, 1758: 617

Myianoetus muscarum (Linnaeus): Buitendijk, 1945: 361; Scheucher, 1957: 338; Nuorteva, 1971; Sevastianov, 1975: 401; Oconnor et al., 2015: 1; Pimsler et al., 2016: 290

Type locality: Europe

Distribution: Belgium, Germany, England, Holland, Finland, ?France, Italy, Canada, USA

Hosts: *Synthesiomia nudiseta* and other flies (Diptera: Muscidae), sometime hosts not sure (Pimsler et al., 2016).

Myianoetus mystacis Mahunka

Myianoetus mystacis Mahunka, 1972b: 363

Type locality: Vértess-Geb., Fánivölgy

Distribution: Hungary

Host: *Fannia* sp. (Diptera: Fanniidae)

Myianoetus nerminka (Eraky et Shoker)

Anoetostoma nerminka Eraky & Shoker, 1995: 21

Myianoetus nerminka (Eraky et Shoker):

Type locality: Egypt

Distribution: Egypt

Myianoetus oudemansi (Womersley)

Anoetostoma oudemansi Womersley, 1941: 485; Hughes & Jackson, 1958: 126

Myianoetus oudemansi (Womersley): Fain & Domrow 1980: 41

Type locality: Sidney, NSW

Distribution: Australia

Host: *Musca domestica* (Diptera: Muscidae)

Myianoetus ovatus Mašan et Kristofik

Myianoetus ovatus Mašan & Kristofik, 1992: 81

Type locality: Slovakia

Distribution: Slovakia

Host: *Hydrotaea* sp. (Diptera: Muscidae)

Myianoetus paganus Sevastianov

Myianoetus paganus Sevastianov, 1973: 856

Type locality: Tchemerovtsi Village, Hmelnitskaya Obl., Ukraine

Distribution: Ukraine

Host: horse dung

Myianoetus pappi Mahunka

Myianoetus pappi Mahunka, 1972b: 361

Type locality: Aranyosgadány, Kuhfladen

Distribution: Hungary

Host: *Azelia parva* (Diptera: Muscidae)

Myianoetus parvus Mahunka

Myianoetus parvus Mahunka, 1969a: 360; 1972b: 363

Type locality: Finland

Distribution: Finland, Hungary, Slovakia

Hosts: *Ophyra leucostoma* (Diptera: Muscidae), *Borboropsis fulviceps* (Diptera: Heleomyzidae)

Myianoetus pseudomuscarum Sevastianov

Myianoetus pseudomuscarum Sevastianov, 1973: 856

Type locality: Tchemerovtsi Village, Hmelnitskaya Obl., Ukraine

Distribution: Russia (Sakhalin, Tatarstan, Bashkortistan), Ukraine

Host: cow's dung

***Myianoetus reductus* Mahunka**

Myianoetus reductus Mahunka, 1969d: 368

Type locality: Mt Meru, eastern slope

Distribution: Tanzania

***Myianoetus rohaceki* Samšiniák**

Myianoetus rohaceki Samšiniák, 1984: 57; 1989: 91

Type locality: Hrubý Jeseník Mts., Skřitek

Distribution: Czech Rep., Hungary, USA

Hosts: *Limosina rufilabris*, *Coproica vistrispennis*, *Lotophila atra* (Diptera: Sphaeroceridae)

***Myianoetus rwandanus* Fain**

Myianoetus rwandanus Fain, 1984: 283

Type locality: Kamobuga, Rugege Forest, 2500 m

Distribution: Rwanda

Host: elephant dung

***Myianoetus scheucherae* Mahunka**

Myianoetus scheucheri Mahunka, 1972: 371 (as nom.nov. for the deutonymphs recorded as "*M. muscarum*" by Scheucher, 1957: 338)

Myianoetus scheucherae Mahunka: Klimov & Khaustov, 2018

Type locality: Erlangen

Distribution: Germany

***Myianoetus simplex* Mahunka**

Myianoetus simplex Mahunka, 1972: 363; Bongers, OConnor & Lukoschus, 1985: 19

Type locality: Aranyosgadány (Hungary)

Distribution: Czech Rep., France, Holland, Hungary

Hosts: *Coproica lugubris* (Diptera: Sphaeroceridae), *Hebecnema umbratica* (Diptera: Muscidae), *Sepsis thoracica* (Diptera: Sepsidae)

***Myianoetus simunek* Samšiniák**

Myianoetus simunek Samšiniák, 1989: 91

Type locality: Kiskunsagi N. P. Kunfehérto (lake)

Distribution: Hungary

Host: *Coproica lugubris* (Diptera: Sphaeroceridae)

***Myianoetus sovat* Zamec**

Myianoetus sovat Zamec, 2014: 916

Type locality: Vlčie Diery Cave

Distribution: Slovakia

Host: phoretic on *Gymnomus caesius* (Diptera: Heleomyzidae)

***Myianoetus szaboi* Mahunka**

Myianoetus szaboi Mahunka, 1978: 109

Type locality: Kócs (Hortobágy Nat. Park)

Distribution: Hungary

***Myianoetus szunyoghyi* Mahunka**

Myianoetus szunyoghyi Mahunka, 1969d: 369

Type locality: Mt Meru, eastern slope

Distribution: Tanzania

***Myianoetus thaleri* Mahunka**

Myianoetus thaleri Mahunka, 1972: 374

Type locality: Unterengadin, Ramosch, Charbunera

Distribution: Austria

***Myianoetus travei* Fain**

Myianoetus travei Fain, 1976: 309

Type locality: Kerguelen Island

Distribution: Kerguelen Island

***Myianoetus tuerkorum* Scheucher**

Myianoetus tuerkorum Scheucher, 1957: 341; Mahunka, 1970: 48; Fain et al., 1993: 14

Type locality: Erlangen (Germany)

Distribution: Belgium, Germany, Slovakia

Host: bird's nests

***Myianoetus tuomikoskii* Mahunka**

Myianoetus tuomikoskii Mahunka, 1969: 361

Type locality: Finland

Distribution: Finland, Slovakia, Romania, Mongolia

Hosts: *Hydrotaea occulta*, *H. tuberculata* (Diptera: Muscidae)

***Myianoetus uncinatus* Fain**

Myianoetus uncinatus Fain, 1984: 285

Type locality: Kamobuga, Rugege Forest, 2500 m

Distribution: Rwanda

Host: elephant dung

***Myianoetus undulatus* Hughes et Jackson**

Myianoetus undulatus Hughes & Jackson, 1958: 158

Type locality: Chickahominy Swamp, Ellerson, Virginia

Distribution: USA

***Myianoetus vesparum* Scheucher**

Myianoetus vesparum Scheucher, 1957: 343

Type locality: Erlangen

Distribution: Germany

Host: nests of Vespidae (Hymenoptera)

***Myianoetus virgatus* Scheucher**

Myianoetus virgatus Scheucher, 1957: 345; Mahunka, 1970: 49

Type locality: Germany

Distribution: Czech Rep., Germany, Slovakia

Hosts: Diptera (Borboridae, Scatophagidae), *Limosina clunipes* (Diptera: Sphaeroceridae)

***Myianoetus zdena* Samšínák**

Myianoetus zdena Samšínák, 1984: 60; 1989: 91

Type locality: Kremnicke pohoria, Mts Tuček, 850 m

Distribution: Austria, Hungary, Slovakia

Hosts: *Elachisoma aterrima*, *Coproica lugubris*, *C. pallifrons*, *C. vagans* (Diptera: Sphaeroceridae)

Subfam. **Scolianoetinae** Fain

Scolianoetinae Fain, 1974: 60

Type genus: *Scolianoetus* Fain, 1974

Genus ***Scolianoetus*** Fain

Scolianoetus Fain, 1974: 60

Type species: *Scolianoetus scheucherae* Fain, 1974

***Scolianoetus brasiliensis* Fain**

Scolianoetus brasiliensis Fain, 1974: 62

Type locality: Novo Friburgo

Distribution: Brazil

Host: *Spartocera cinnamomea* (Heteroptera: Coreidae)

***Scolianoetus faini* Mahunka**

Scolianoetus faini Mahunka, 1975a: 321

Type locality: Kiunga

Distribution: Papua New Guinea

***Scolianoetus javanus* Mahunka**

Scolianoetus javanus Mahunka, 1976b: 319

Type locality: Java, Pangerango

Distribution: Indonesia (Java)

Host: *Pelopides tridens* (Lepidoptera: Hesperiiidae)

Scolianoetus ramozae Fain et Camerik

Scolianoetus ramozae Fain & Camerik, 1978: 169

Type locality: Rio de Janeiro

Distribution: Brazil

Host: *Passalus* sp. (Coleoptera: Passalidae)

Scolianoetus scheucherae Fain

Scolianoetus scheucherae Fain, 1974: 62

Type locality: Lisala

Distribution: DR Congo

Host: *Campsomeris mansueta* (Hymenoptera: Scoliidae)

Subfam. **Spinanoetinae** Scheucher

Spinanoetini Scheucher, 1957: 357

Spinanoetinae: Fain, 1974: 58

Type genus: *Spinanoetus* Scheucher, 1957

Genus ***Spinanoetus*** Scheucher

Spinanoetus Scheucher, 1957: 357

Type species: *Spinanoetus pelznerae* Scheucher, 1957

Spinanoetus heterotrichus Mahunka

Spinanoetus heterotrichus Mahunka, 1962: 432; Kaluz, 1992:

Type locality: Dunazuggebirge, Sikáros

Distribution: Hungary, Slovakia

Spinanoetus pelznerae Scheucher

Spinanoetus pelznerae Scheucher, 1957: 358; Káluz, 1993; Haitlinger, 2004:

Type locality: Erlangen (Germany)

Distribution: Germany, Hungary, Poland

Hosts: *Nicrophorus interruptus*, *Oeceoptoma thoracica*, *Thanatophilus rugosus*, *Th. sinuatus* (Coleoptera: Silphidae)

Spinanoetus variabilis Mahunka

Spinanoetus variabilis Mahunka, 1973a: 109

Type locality: Nakpanduri

Distribution: Ghana

Spinanoetus weingaertnerae Scheucher*Spinanoetus weingaertnerae* Scheucher, 1957: 360; Haitlinger, 2004; Zamec, 2014

Type locality: Erlangen (Germany)

Distribution: Germany, Hungary, Poland, Slovakia

Hosts: *Emus hirtus*, *Ontolestes* sp., *Philontus* sp. (Coleoptera: Staphylinidae)**Index of Histiostomatidae**(Names in **bold** are accepted as valid)

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Distribution of Histiostomatidae

EUROPE

Austria (Vitzthum, 1926a, 1927; Scheucher, 1957; Mahunka, 1972b; Samšinák, 1958, 1962, 1989) – *Anoetoglyphus copridis*, *Histiostoma feroniarum*, *H. gladiger*, *H. gordius*, *H. humiditatis*, *H. julorum*, *H. vitzthumi*, *Myianoetus thaleri*, *M. zdena*

Belgium (Cooreman, 1963; Fain et al., 1993) – *Anoetus pini*, *Conglanoetus denticulatus*, *C. puteanus*, *Myianoetus tuercorum*, *Histiostoma gladiger*, *H. gordius*, *H. trogicola*

Bulgaria (Samšinák, 1958; Beron, 1973; Takov, Pilarska & Moser, 2009) – *Histiostoma ovale* (= *gladiger*), *H. piceae*, *Prowichmannia spiniferum*

Croatia (Pernek et al. 2008; Pernek et al. 2012; Wirth & Pernek. 2012; Wirth et al., 2016) – *Histiostoma piceae*, *H. ulmi*

Czech Rep. (Müller, 1860; Samšinák, 1956, 1958, 1984, 1989) – *Capronomoia sphaerocerae*, *Histiostoma manica*, *H. ovale*, *Myianoetus simplex*, *M. virgatus*, *Probonomoia humprechtii*

Denmark (Jensen, 1895; Haarløv, 1957) – *Histiostoma berghii*, *H. julorum*

Greenland (Trägårdh, 1905) – *Myianoetus digitiferus*

Finland (Mahunka, 1969, 1972b; Nuorteva, 1971; Penttinen et al., 2013) – *Histiostoma* sp., *Myianoetus muscarum*, *M. parvus*, *M. tuomikoskii*, *Probonomoia pini*, *Xenanoetus vestigialis*

France (contin.) (Dufour, 1839; Gervais, 1844; Theodorides, 1955; Cooreman, 1954 ; Samšinák, 1958; Levieux et al., 1989; Fain & Beaucournu, 1973; Mahunka, 1972b, 1977) – *Anoetus dolifer*, *Histiostoma feroniarum*, *H. gervaisi*, *H. gladiger*, *H. piceae*, *H. sapromysarum*, *Myianoetus dionychus* [= *diadematus*], *M. simplex*, *Psyllanoetus melesicola*

Corsica (Samšinák, 1958; Wirth, 2005) – *Histiostoma ovale* (= *gladiger*), *Probonomoia opuntiae*

Germany (Koch, 1843; Kramer, 1876, 1886; Oudemans, 1902; Willmann, 1937; Scheucher, 1957; Fain & Erteld, 1998; Wirth, 2003) – *Anoetus myrmicarum*, *neglectus*, *A. pini*, *Capronomoia sphaerocerae*, *Glyphanoetus phyllotrichus*, *G. venustissimus*, *Histiostoma crypturgi*, *H. gladiger*, *H. gordius*, *H. halicticolum*, *H. julorum*, *H. oudemansi*, *H. palustre*, *H. piceae*, *H. phyllophorum*, *H. polypori*, *H. sapromyzarum*, *H. stammeri*, *H. strenzkei*, *H. trichophorum*, *H. ulmi*, *H. vitzthumi*, *Myianoetus dionychus* [= *diadematus*], *Probonomoia pini*, *Prowichmannia spiniferum*, *Rhopalanoetus lanceocrinus*, *Sellea pulchrum*, *Spinanoetus pelznerae*, *S. weingaertnerae*

Great Britain (Michael, 1901; Fain, Britt & Molyneux, 1980; Behura, 1950; Hyatt, 1990) – *Histiostoma polypori*, *Myianoetus copromyzae*, *Prowichmannia spiniferum*, *Selea pulchrum*

Greece (Mahunka, 1972e, 1977) – *Anoetus hauseri*, *A. samiensis*, *Histiostoma feroniarum*, *H. sapromyzarum*, *H. ionicum*, *H. matsakisi*

- Kephallinia** (Mahunka, 1971, 1972e) – *Anoetus hauseri*, *A. lunulatus*, *A. sapromyzarum*, *A. samiensis*, *Hauserania graeca*, *H. ornata*, *Histiostoma feroniarum*, *H. insulare*
- Zakynthos** (Mahunka, 1972e) – *Histiostoma feroniarum*,
- Levkas** (Mahunka, 1972e) – *Histiostoma sapromyzarum*,
- Holland** (Oudemans, 1914; Bongers, OConnor & Lukoschus, 1985; Fain & Lambrechts, 1987) – *Aphodanoetus teinophallus*, *Histiostoma brevimantum*, *H. insulare*, *H. ocellatum*, *H. phyllophorum*, *H. polypori*, *H. sapromyzarum*, *Myianoetus simplex*, *Rhopalanoetus lanceocrinus*
- Hungary** (Mahunka, 1961, 1962a, 1962b, 1963d, 1968, 1970, 1972b, 1976, 1977b, 1978; Mahunka & Eraky, 1987; Samšinák, 1989) – *Anoetoglyphus copridis*, *Anoetus dudichi*, *A. myrmicarum*, *A. pannonicus*, *A. pini*, *Capronomoia sphaerocerae*, *Glyphanoetus longispina*, *Histiostoma baloghi*, *H. dactyloscopicum*, *H. disiunctum*, *H. gordius*, *H. histeri*, *H. hungaricum*, *H. lineatula*, *H. loksai*, *H. magdolnae*, *H. margaritatum*, *H. ovalis*, *H. polypori*, *H. sapromyzarum*, *H. serrata*, *Myianoetus clavatus*, *M. dionychus* (= *diadematus*), *M. heterotrichus*, *M. mystacis*, *M. pappi*, *M. parvus*, *M. rohaceki*, *M. simplex*, *M. simunek*, *M. szaboi*, *M. tuomikoskii*, *M. zdena*, *Peripatetes acanthotarsus*, *Probonomoia pini*, *P. humprechti*, *Prowichmannia spiniferum*, *Rhopalanoetus fimetarius*, *Semianoetus mrcziaki*, *Spinanoetus heterotrichus*, *S. pelznerae*, *S. weingaertnerae*, *Stercoranoetus woolleyi*
- Iceland** (Sellnick, 1940) – *Anoetus notabilis*
- Ireland** (Curry & Momen, 1988) – *Histiostoma feroniarum*
- Italy (contin.)** (Canestrini & Berlese, 1881; Berlese, 1881, 1883, 1918; Oudemans, 1927) – *Anoetoglyphus ateuchi*, *Glyphanoetus phyllotrichus*, *G. venustissimus*, *Histiostoma feroniarum*, *H. julorum*, *H. pyriforme*, *Rhopalanoetus fimetarius*
- Sicily** (Berlese, 1910; Samšinák, 1962) – *Anoetoglyphus ateuchi*, *Anoetus curtipes*, *A. privorai*, *Histiostoma brevipodum*
- Sardinia** (Wirth, 2005) – *Probonomoia opuntiae*
- Norway** (Fain et al., 1993) – *Conglanoetus denticulatus*
- Poland** (Chmielewski, 1984; Kiełczewski & Wiśniewski, 1980; Michalski & Ratajczak, 1989; Haitlinger, 2002, 2004; Witaliński, Rożej-Pabijan & Podkowa, 2014) – *Histiostoma crypturgi*, *H. ovalis*, *H. piceae*, *H. polypori*, *Spinanoetus pelznerae*, *S. weingaertnerae*, *Probonomoia pini*, *P. spinifera*,
- Portugal (cont.)** (Vissa et al., 2019) – *Histiostoma ovatus*
- Romania** (Cooreman, 1941; Mahunka, 1970, 1977b) – *Histiostoma gordius*, *H. histeri*, *H. lineatula*, *H. margaritatum*, *H. ovalis*, *Myianoetus tuomikoskii*, *Probonomoia humprechti*, *Xenanoetus vestigialis*
- Russia (all, continent.)** (Vitzthum, 1026; Sevastianov, 1973; Krivoluckiy, 1975; Wirth, 1916; Khaustov, Trach & Bobylev, 2016; Khaustov et al., 2018) – *Anoetus exornatus*, *Bonomoia recondita*, *Histiostoma gladiger*, *H. ovale*, *H. piceae*, *H. pini*, *Probonomoia pini*, *P. sibirica*
- Crimea** (Krivoluckiy, 1975)

Sakhalin (Sevastianov, 1973) - *Myianoetus pseudomuscarum*

Kuril Islands (Klimov, 1998) – *Scheucheria* sp.

Slovakia (Müller, 1859; Mahunka, 1972b, Samšinák, 1984, 1989; Mangová et al., 2017; Kaluz, 1992; Mašan & Országhi, 1995; Mašan, 2000; Mašan & Krištofik, 1992; Zamec, 2013, 2014) – *Bonomoia recondita*, *Capronomoia sphaerocerae*, *Histiostoma crypturgi*, *H. berghi*, *H. crypturi*, *H. dryocoeti*, *H. feroniarum*, *H. maritimus*, *H. myrmicarum*, *H. ovalis*, *H. pannonicus*, *H. piceae*, *H. pini*, *H. polypori*, *H. pulchrum*, *H. sapromyzarum*, *Myianoetus diadematus*, *M. dionychus*, *M. longisetosus*, *M. ovatus*, *M. parvus*, *M. sovat*, *M. tuerkorum*, *M. tuomikoskii*, *M. virgatus*, *M. zdena*, *Rhopalanoetus lanceocrinus*, *Spinanoetus heterotrichus*, *S. pelznerae*, *S. weingaertnerae*

Slovenia (Moraza, Fernandez & Jurc, 2013) – *Histiostoma ovale*

Spain (cont.) (Dimitrieff & Fain, 1994; Rebolledo & Arroyo, 1996; Fernandez, Diez & Moraza, 2013) – *Histiostoma feroniarum*, *Probonomoia chrysis*

Canary Islands (Sanchez-Covisa et al., 1999; Wirth, 2005) – *Probonomoia opuntiae* (Gomera), *Histiostoma feroniarum* (Tenerife)

Sweden (Moser et al. 1989; Moser, Perry et al., 1989) – *Histiostoma piceae*

Switzerland (Mahunka, 1977; Fain, 1980) – *Anoetus dolifer*, *Hormosianoetus aeschlimanni*

Turkey (all) (Mahunka, 1976) – *Kaszabanoetus ulomae*

Ukraine (Sevastianov, 1970, 1971, 1973; Sevastianov & Vysotskaya, 1971) – *Anoetus helobius*, *A. hospitus*, *A. opertus*, *A. parmatum*, *A. retractus*, *Bonomoia picturata*, *B. probata*, *Histiostoma indetonsum*, *H. necopinum*, *Myianoetus microti*, *M. paganus*, *M. pseudomuscarum*, *Prowichmannia spinifera*

AFRICA

Angola (Mahunka, 1963a, 1963b, 1967) – *Anoetus machadoi*, *A. striatus*, *A. vilhenaoorum*, *Anoetoglyphus* (?) *bifastigatus*, *Glyphanoetus brevisetus*, *Histiostoma andrei*, *H. angolensis*, *H. arcuatum*, *H. bacilligerum*, *H. clavatum*, *H. impressum*, *H. minimum*, *H. pontigerum*, *H. puncticeps*, *H. simile*, *H. subsimile*, *Hymenanoetus nodosus*, *Porrhanoetus machadoi*

Botswana (Camerik, Lukoschus & Kniest, 1980) – *Fibulanoetus longitarsus*, *F. mahunkai*

Cabo Verde (Mahunka & Mahunka-Papp, 1991) – *Glyphanoetus phyllotrichus*, *Histiostoma phyllophorum*, *Stercoranoetus harteni*

Cameroon (Mahunka, 1979b) - *Histiostoma amieti*, *H. camerunensis*, *H. chilopophila*, *H. variabile*

Congo Rep. of the (Brazzaville) (Mahunka, 1965, 1967a;) – *Anoetoglyphus africanus*, *A.* (?) *immaturus*, *Anoetus collis*, *A. congoensis*, *A. coprophilus*, *A. impressus*, *A. longisetus*, *A. machadoi*, *A. pauliana*, *A. punctulatus*, *A. striatus*, *A. tauffliebi*, *Glyphanoetus africanus*, *Rhaphidothrix gozmanyi*, *Rhopalanoetus bifurcatus*

Congo DR (Oudemans, 1929; Fain & Elsen, 1972; Fain & Beaucournu, 1973; Fain, 1974; Samšinák, 1962, 1989) – *Anoetus fetters*, *Chiloanoetus mayumbensis*, *Curculanoetus rhynchophorus*, *Histiostoma conclaviculum*, *H. schoutedeni*, *Probonomoia congoen-*

sis, *Psyllanoetus afropulicarius*, *Rhopalanoetus bifurcatus*, *Scolianoetus scheucherae*, *Xenanoetus kabrt*

Egypt (Yousef & Metwally, 1973; Metwali & Ahmad, 1987; Hassan & Sevastianov, 1991; Eraky & Shoker, 1993a, 1993b, 1994, 1995; Eraky & Nasser, 1993; Eraky, 1993, 1994a, 1994b, 1997, 1998, 1999a, 1999b, 1999c, 2000, 2003; Abu El-Maged, 1998; Abdel-Aziz, 1999; Eraky, Abdel-Galil & Bohibah, 2010; Fawzy & Mtewalli, 2007; Eraky, Abdelgayed, Negm, Helal & Moussa, 2017; Abdelgayed et al., 2019; Eraky, Abdel-Aziz & Abo-Elmaged, 2020; Desoky et al., 2020) – *Anoetus caljubiensis*, *A. irinus*, *A. moshtohorensis*, *A. sharae*, *A. wastis*, *Bonomoia zoherii*, *Coprobonomoia mahunkai*, *C. sphaerocerae*, *Glyphanoetus mahunkai*, *G. omari*, *G. processum*, *Histiostoma alii*, *H. arcuatus*, *H. bananai*, *H. camphori*, *H. cataglyphi*, *H. darwishii*, *H. diadematum*, *H. egyptiacum*, *H. essami*, *H. farghali*, *H. herbali*, *H. irinum*, *H. mannai*, *H. manuri*, *H. nasserii*, *H. negmi*, *H. onioni*, *H. pickaxeii*, *H. rizkii*, *H. sammari*, *H. sarrai*, *H. solimani*, *H. rizkii*, *H. tinydorsalis*, *H. zaheri*, *Hormosianoetus mahunkai*, *Myianoetus granatum*, *M. lili*, *M. manuri*, *M. nerminka*

Fiji (Mahunka, 1992) – *Histiostoma pseudolongipes*

Gambia (Mahunka, 1975, 1979) – *Anoetoglyphus szunyoghyi*, *Ghanoetus marmoreus*, *Histiostoma endroedii*, *H. fucatifera*, *H. gambiense*, *H. umbrosa*

Ghana (Mahunka, 1973a, 1973d, 1974a, 1975, 1979) – *Anoetus heliocopridis*, *A. sinuosus*, *Anoetoglyphus antennatus*, *A. globulus*, *A. latus*, *A. polygonatus*, *Bonomoia rugosa*, *Histiostoma distentosetum*, *H. editum*, *H. endroedii*, *H. furcatum*, *H. gorgo*, *H. rugosum*, *H. striatosimile*, *Rhaphidothrix punctolineatus*, *Rh. simplex*, *Rhopalanoetus hirsutus*, *Spinanoetus variabilis*, *Teinokyra lineata*

Ivory Coast (Fain, 1974) – *Anoetus humilis*, *A. macrosuctus*, *Histiostoma adsimile*, *H. alphaticum*, *Glyphanoetus eboris*

Kenya (Mahunka, 1979) – *Histiostoma bernoni*, *Myianoetus africanus*

Madagascar (Fain & Pauly, 2001) – *Histiostoma heriades*

Morocco (Fain, Athias-Binche & Carton, 1993) – *Hormosianoetus laboratorium*

Namibia (Fain, 1974) – *Loxanoetus bassoni*

Rwanda (Fain, 1980, 1984) – *Myianoetus brevis*, *M. rwandanus*, *M. uncinatus*, *Syringanoetus vandenberghi*, *Xenanoetus afrotropicalis*,

Seychelles (Nesbitt, 1979) – *Creutzeria seychellensis*

South Africa (Fain, 1970; Mahunka, 1979;) – *Anoetoglyphus lootsi*, *Histiostoma volgini*, *Loxanoetus bassoni*, *Rhopalanoetus endroedyoungai*

Tanzania (Oudemans, 1912, 1914; Mahunka, 1961, 1969b, 1974a, 1979) – *Anoetus heliocopridis*, *A. longitubus*, *A. reticulatus*, *Glyphanoetus flagellates*, *G. longus*, *G. szunyoghyi*, *Histiostoma bifoveolatum*, *H. phyllophorum*, *H. polaki*, *H. telatum*, *H. trichophorum*, *Myianoetus reductus*, *Rhopalanoetus bifurcates*, *Rh. gladifer*

Tunisia (Mahunka, 1981) – *Anoetoglyphus tunesiensis*

Uganda (Fain, 1974; Fain & Zumpt, 1974) – *Auricanoetus longitarsus*, *Loxanoetus bassoni*, *Otanoetus wetzeli*

Indian Ocean Islands (Mahunka, 1978) – *Histiostoma schauenbergi***ASIA****Afghanistan** (Mahunka, 1974c) – *Histiostoma szelenyii***China** (Samšínák, 1962b; Li et al., 1992; Wang et al., 2002; Fan, Chen & Wang, 2010) – *Histiostoma feroniarum*, *H. formosanum*, *Rhopalanoetus chinensis*, *Rh. simplex*, *Seliea pulchrum***Taiwan** (Mahunka, 1976; Phillipsen, 1977; Tseng Y.-H., 1982, 1984) – *Histiostoma formosanum*, *H. gampsoceri*, *H. humiditatis***India** (Vitzthum, 1926; Chinniah & Mohanasundaram, 1995) – *Histiostoma coprae*, *H. himalayae*, *H. muscae*, *H. onthophagae*, *H. siphunculinae***Indonesia** (Oudemans, 1903, 1911, 1914; Vitzthum, 1921, 1931, 1932; Mahunka, 1976) – *Histiostoma banjuwangicus*, *H. campanula*, *H. cyrtandrae*, *H. indicus*, *H. prosectoris*, *Munduytia tropicus*, *Scolianoetus javanus*, *Zwickia colocasiae***Iran** (Lotfollahi, Haddad Irani Nejad, Bagheri, Valizadeh, 2010) – *Histiostoma polypori*, *H. litorale***Israel and Palestina** (Costa, 1967; Mahunka, 1979a) – *Histiostoma feroniarum*, *H. loebli***Japan** (Kurosa, 2000, 2002; Takami & Kuwahara, 2005; Tagami, 2016; Kurosa & Tagami, 2006) – *Histiostoma globotuberum*, *H. mahunkai*, *H. piscium*, *H. watanabei*, *Probonomoia pini***Malaysia** (Vitzthum, 1921; Hirst, 1928; Kurosa, 1976; Wurst & Kovac, 2003; Azmiera, Mariana & Heo C.C., 2019) – *Anoetus myrmicarum*, *A. virginiana*, *Histiostoma* sp., *Tensiostoma veliaphilum***Mongolia** (Mahunka, 1967c, 1969c, 1972b, 1973) – *Anoetus cacuminatus*, *A. insulanus*, *A. kaszabi*, *A. microti*, *A. porosus*, *Histiostoma insulare*, *Myianoetus kaszabi*, *Myianoetus tuomikoskii*, *Scheucheria mongolica*, *Xenanoetus grandiceps***Pakistan** (Khan, 1969; Chauhdri, 1986; Ashfaq, 1986, 1988, 2001; Ashfaq, Chauhdri & Aheer, 1985; Ashfaq & Chauhdri, 1988; Sarwar, Ashfaq & Islam, 1998; Ashfaq, Sarwar & Akbar, 1999; Ashfaq, Sarwar & Ali, 2000; Ashfaq, Sarwar & Amiad, 2000; Ashfaq & Sarwar, 2001) – *Capronomoia asper*, *C. bellulus*, *C. gradates*, *C. pango*, *C. trossis*, *Glyphanoetus incanus*, *G. leptos*, *G. micidus*, *Histiostoma caro*, *H. crantor*, *H. densus*, *H. edax*, *H. erigo*, *H. fortis*, *H. fragosus*, *H. galerus*, *H. gracilis*, *H. imbecillum*, *H. junctus*, *H. karachiensis*, *H. luxus*,**Philippines** (Vitzthum, 1921) – *Histiostoma sapromyzarum***Saudi Arabia** (Samšínák, 1979; Negm & Alatawi, 2011) – *Capronomoia sphaerocerae*, *Histiostoma pickaxeii*, *H. camphori*, *Myianoetus lili***Singapore** (Hirst, 1928) – *Zwickia nepenthesiana***Sri Lanka** (Oudemans, 1915; Mahunka, 1974d) – *Anoetus aelleni*, *A. angularis*, *A. ceylanensis*, *Ceylanoetus excavatus*, *Zwickia guentheri***Syria** () – *Histiostoma* [*Anoetus*] *sapromysarum*, *Capronomoia* [*Bonomoia*] *sphaerocerae***Taiwan** (Mahunka, 1976b) – *Histiostoma gampsoceri*

Thailand (Fain & Lambrechts, 1985; Fain, Athias-Binche & Carton, 1993;) – *Histiostoma piscium*, *H. unidentatum*

Vietnam (Mahunka, 1967d, 1978; Fain & Beaucournu, 1972) – *Anoetoglyphus langi*, *Anoetus capillatus*, *A. decorus*, *A. longipes*, *A. ornatus*, *A. pocsi*, *A. spinosus*, *Bonomoia reticulata*

NORTH AMERICA

Canada (Woodring & Moser, 1970; Lindquist et al., 1979; Mullen et al., 1989; Fain & Colloff, 1990; Walter & Latonas, 2012; OConnor et al., 2015; Achtymichuk, 2017; Baulieu et al., 2019) – *Anoetus sordida*, *Bonomoia* sp., *Histiostoma halictonida*, *Myianoetus muscarum*, *Traskorchestianoetus brevipes*, *T. spiceri*. According to Baulieu et al., 2019, in Canada are known 21 sp. of *Histiostomatidae* and the number expected is 80.

Mexico (Woodring & Moser, 1970) – *Histiostoma varium*

USA (Banks, 1906, 1910, Ewing, 1911; Hughes & Jackson, 1958; Cross, 1968; Woodring, 1971; Moser & Roton, 1971; Woodring & Moser, 1970, 1975; Moser, 1976; Hill & Deahl, 1978; Fain & Philips, 1979; Mahunka, 1982; Fashing & OConnor, 1984; Samšinák, 1989; Wirth & Moser, 2010; Uppstrom & Klompen, 2011; Oconnor et al., 2015; Pimsler et al., 2016; Achtymichuk, 2017) – *Ameranoetus hematobii*, *Anoetus cossi*, *A. grapefruit*, *A. media*, *A. sordida*, *Capronomoia sphaerocerae*, *Glyphanoetus nomiensis*, *Histiostoma bakeri*, *H. blomquisti*, *H. conjunctum*, *H. gracilipes*, *H. brevipes*, *H. guanophilum*, *H. halictonida*, *H. heinemanni*, *H. inquilinus*, *H. murchiei*, *H. nigrellii*, *H. pauciputeolum*, *H. pilosetum*, *H. phytophaga*, *H. protuberans*, *H. sextoni*, *H. tarsalis*, *H. varium*, *H. virginianum*, *Myianoetus micromaculatus*, *M. mlkoch*, *M. muscarum*, *M. rohaceki*, *Sarraceniopus darlingtoniae*, *Xenanoetus kofrankova*

SOUTH and CENTRAL AMERICA

Argentina (Mahunka, 1963c, 1963d) – *Anoetus akodoni*, *Histiostoma* [*Anoetus*] *sapromysarum*

Bolivia (Vitzthum, 1921) – *Histiostoma sapromyzarum*

Brazil (Vitzthum, 1926a; Fain, 1974; Fain & Camerik, 1978; Mahunka, 1982; Souza, Bernardi & Ferreira, 2018) – *Bothyanoetus pereirai*, *Histiostoma acrocini*, *H. sapromyzarum*, *H. tanypus*, *Scolianoetus brasiliensis*, *S. ramozae*, *Spartocera cinammomea*

Chile (contin.) (Mahunka, 1963, 1972d) – *Anoetus castrii*, *A. chilensis*, *A. cirrosus*, *Synanoetus baloghi*

Juan Fernandez Islands (Mahunka, 1982) – *Glyphanoetus pappi*

Colombia (Fain & Rack, 1987) – *Probonomoia columbiana*

Costa Rica (Woodring, 1973; Mahunka, 1976, 1978a, 1979) – *Histiostoma adarcuale*, *H. claviger*, *H. coronatum*, *H. duplex*, *H. eickworthi*, *H. marianae*, *H. moralesi*, *H. perruptum*, *H. rostratum*, *Pteranoetus incertus*, *Semianoetus banksi*

Cuba (Samšinák, 1966, Mahunka, 1978) – *Histiostoma cubanum*, *H. meszarosorum*, *Kanoetus cubanus*

Ecuador (contin.) (Mahunka, 1978; Samšinák, 1989) – *Anoetus helena*, *Conglanoetus ornatofoveolatus*, *Histiostoma capillatum*, *H. continuatum*, *H. diadematum*, *H. elzingai*, *H. rettenmeyerorum*, *H. rimosa*, *H. scinditum*, *Pteranoetus latus*, *P. rettenmayeri*, *Richardanoetus demel*

Guadeloupe (Fain, Athias-Binche & Carton, 1993) – *Hormosianoetus laboratorium*

Guatemala (Woodring & Moser, 1975) – *Histiostoma conjunctum*

Honduras (Woodring & Moser, 1970, 1975) – *Histiostoma conjunctum*, *H. varium*

Panama (Mahunka, 1978a) – *Histiostoma incurvatum*

Peru (Caceres & Fain, 1975) – *Histiostoma feroniarum*

Puerto Rico (Fain & Santiago-Blay, 1993) – *Ancyranoetus virkkii*

St. Vincent Republic, Grenadines Isl., Bequia Id. (Windward Group) (Fain & Van Goethem, 1985) – *Ovanoetus wautersi*

Windward Islands (St. Lucia) (Mahunka, 1981) – *Histiostoma antillense*, *H. mirabile*

OCEANIA

Australia (continent) (Womersley, 1941, 1942; Mahunka, 1975; Fain & Domrow, 1980; Halliday, 1998; Halliday & Collins, 2002; Tagami & Halliday, 2013) – *Chiropteranoetus chalinolobus*, *Histiostoma australiense*, *H. feroniarum*, *H. humiditatis*, *H. papillata*, *H. phyllophorum* (= *nicholli* Womersley), *H. sapromyzarum*, *H. titanolabi*, *H. unidentatum*, *H. varium*, *Loxanoetus lenae*, *Myianoetus dycei*, *M. oudemansi*

New Zealand (Fain & Galloway, 1993; Qin & Rohitha, 1996; Clark, 2009, 2010a, 2010b) – *Histiostoma feroniarum*, *H. mantelli*, *Myianoetus antipodus*

Papua New Guinea (Fain, 1968; Mahunka, 1975, 1976, 1978) – *Histiostoma amargynus*, *H. foveosimile*, *H. lineosculpturatum*, *H. reticulatissimum*, *H. reticulofoveolatum*, *H. szentivanyi*, *H. wauense*, *Myianoetus domrowi*

French Polynesia (Tahiti) (Mahunka, 1992) – *Histiostoma berndhauseri*

French Polynesia (Hivaoa) (Vitzthum, 1935) – *Histiostoma granulatatum*

Fiji (Mahunka, 1995, 1992) – *Anoetus peloponesiacus*, *Histiostoma genavensium*, *H. pseudolongipes*

Marquesan Islands (Vitzthum, 1935) – *Histiostoma granulatatum*

Salomon Islands (Mahunka, 1972c) – *Anoetus bradymeri*, *A. horridus*, *A. solomoniensis*, *A. toxici*

ANTARCTICA

Kerguelen Islands (Fain, 1976) – *Amyzanoetus halophilus*, *Austranoetus kerguelenensis*, *Histiostoma kerguelenense*, *Myianoetus travei*

Hosts of Histiostomatidae

Hirudinea

Fam. Aulostomidae

Aulastoma gulo (cocoons) – *Histiostoma berghi*

Crustacea

Amphipoda

Fam. Talitridae

Traskorchestia traskiana – *Traskorchestianoetus brevipes*

Isopoda

Fam. Oniscidae

Oniscus asellus – *Histiostoma phyllophorum*

Oniscus sp. – *Histiostoma feroniarum*

Decapoda

Fam. Paguridae

Coenobita clypeata – *Ovanoetus wautersi*

Arachnida

Acari

Fam. Gamasidae

Eugamasus cornutus – *Histiostoma polyperi*

Myriapoda

Diplopoda

Fam. Iulidae

Julus scandinavus – *Histiostoma feroniarum*, *H. litorale*, *H. sapromyzarum*

Chilopoda

Fam. Lithobiidae

Lithobius forficatus – *Histiostoma gervaisi*

Fam. Scolopendridae

Cormocephalus aurantiipes – *Histiostoma feroniarum*

Insecta

Orthoptera

Fam. Phalangopsidae

Endecous (*Endecous*) *alejomesai* – *Histiostoma* sp. (cave)

Coleoptera

Fam. Carabidae

Demetrias imperialis – *Histiostoma disiunctum*, *H. serratum*

Dichaetodrilus incrassatus – *Histiostoma striatum*

Fam. Brentidae

Ectocemus cinnamomeus – *Histiostoma prodectoris*

Eubactus semiaeneus – *Anoetus polynesiacus*

Prodector fruhstorferi – *Histiostoma prodectoris*
Prophthalmus potens – *Histiostoma prophthalmi*
Schizotrachelus bakeri – *Histiostoma sapromyzarum*

Fam. Platypodidae

Platypus dispar – *Histiostoma crassipes*

Fam. Cerambycidae

Acanthocinus aedilis – *Probonomoia humprehti*, *P. pini*
Acrocinus longimanus – *Histiostoma acrocini*
Rhagium sp. – *Histiostoma crypturgi*

Fam. Chrysomelidae

Galeruca sp. – *Histiostoma necopinus*
Lema nigripes – *Ancyranoeus virkkii*

Fam. Coccinellidae

Gen. sp. – *Histiostoma lorentzi*

Fam. Curculionidae

Curculioninae s.l.

Rhynchophorus phoenicis – *Anoetoglyphus bifastigatus*, *Curculanoetus rhynchophorus*, *Histiostoma striatum*

Scolytinae

Crypturgus pusillus – *Histiostoma crypturgi*
Dendroctonus brevicomis – *Bonomoia certa*
D. frontalis – *Histiostoma conjunctum*
D. micans – *Histiostoma vitzthumi*
D. pseudotsugae – *Bonomoia certa*
Dryocoetus autographus – *Histiostoma dryocoeti*
Dryocoetes villosus – *Anoetus pannonicus*
Hylaster ater – *Probonomoia pini*
Ips avulsus – *Histiostoma conjunctum*
I. cembrae – *Histiostoma oudemansi*
I. curvidens – *Histiostoma abietis*
I. grandicollis – *Histiostoma varium*
I. laricis – *Histiostoma gordius*
I. sexdentatus – *Histiostoma ovalis* (= *gladiger*)
I. typographus – *Histiostoma piceae*
Mycetophilus piniperda – *Probonomoia pini*
Polygraphus minor – *Histiostoma himalayae*
Scolytus ventralis – *Bonomoia certa*

Fam. Elateridae

Melanotus rufipes – *Histiostoma ruehmi*, *H. sapromyzarum*

Fam. Histeridae

Carcinops 14-striata – *Histiostoma hungaricum*
Carcinops sp. – *Anoetus sordida*

Hister merdarius – *Histiostoma feroniarum*
H. stercorarius - *Histiostoma feroniarum*
H. unicolor - *Histiostoma feroniarum*
Hololepta africanae - *Histiostoma crassipes*
Platysoma compressum – *Histiostoma histeri*, *H. lineatula*, *H. margaritatum*,
H. ovale

Fam. Hydrophilidae

Hydrophilus caraboides – *Histiostoma maritimus*
Sphaeridium sp. - *Rhopalanoetus lanceocrinus*, *Xenanoetus vestigialis*

Fam. Lucanidae

Dorcus parallelopipedus – *Histiostoma dryocoeti*, *Probonomoia pini*

Fam. Nitidulidae

Brachypeplus sp. – *Histiostoma granulatum*

Fam. Passalidae

Passalus sp. - *Scolianoetus ramozae*

Fam. Scarabaeidae

Aphodius fimetarius – *Rhopalanoetus lanceocrinus*
A. fossor – *Rhopalanoetus lanceocrinus*
A. frater – *Aphodanoetus teinophallus*
A. merdarius – *Rhopalanoetus lanceocrinus*
Bothynus deiphobus - *Bothyanoetus pereirai*
Bubas bubalus - *Histiostoma sapromyzae*
Copris lunaris - *Anoetoglyphus copridis*
Cetonia aurata – *Prowichmannia spiniferum*
Geotrupes stercorarius - *Rhopalanoetus lanceocrinus*
Melolontha hippocastani – *Histiostoma melolonthae*
Oniticellus cinctus – *Rhopalanoetus chinensis*, *Rh. simplex*
Onitis sphinx – *Rhopalanoetus bifurcatus*
Onthophagus pactolus – *Histiostoma onthophagae*
Oxythyrea funesta – *Histiostoma phyllophorum*
Polyphyla fullo - *Histiostoma melolonthae*
Scarabaeidae - *Anoetoglyphus langi*

Fam. Staphylinidae

Bledius bicornis – *Insulanoetus brachypodus*
B. sarmaticus - *Insulanoetus brachypodus*
Emus hirtus - *Spinanoetus weingaertnerae*
Lathrobium (*Lathrobium*) sp. – *Histiostoma watanabei*
Ontolestes sp. - *Spinanoetus weingaertnerae*
Philonthus sp. - *Spinanoetus weingaertnerae*

Fam. Silphidae

Nicrophorus interruptus - *Spinanoetus pelznerae*
Oeceoptoma thoracica - *Spinanoetus pelznerae*

Thanatophilus rugosus - *Spinanoetus pelznerae*

Th. sinuatus - *Spinanoetus pelznerae*

Fam. Tenebrionidae

Amarygmus [a “*Amargynus*”, or “*Amargymus*”] cf. *capillatus* - *Histiostoma amargynum*, *H. szentivanyi*

Amarygmus [as “*Amargynus*”] cf. *deformipes* - *Histiostoma reticulofoveolatum*

Androsus greensladei – *Anoetus bradymeri*

Bradymerus leveri - *Anoetus bradymeri*

Corticeus coynei – *Anoetus sordida*

Helops quisquilius - *Histiostoma ulmi*

Hypophloeus bicolor – *Histiostoma ulmi*

Leiochrodes suturalis – *Anoetus horridus*, *A. solomoniensis*

Platolene femoratus – *Histiostoma wauensis*

Platolene sp. - *Histiostoma lineosculpturatum*

Prioscelis serrata – *Chiloanoetus mayumbensis*

Scyophagus piceus - *Anoetus horridus*

Toxicum quadricorne rufipes – *Anoetus toxici*

Uloma culinaria – *Kaszabanoetus ulomae*

Fam. Trogidae

Trox scaber – *Rhopalanoetus trogicola*

T. cadaverinus - *Rhopalanoetus trogicola*

Dermoptera

Fam. Labiduridae

Labidura riparia – *Anoetus moshtohorensis*, *A. wastis*, *Histiostoma camphori*

Fam. Anisolabididae

Anisolabella (*Gonolabis*) *marginalis* – *Histiostoma mahunkai*, *H. piscium*

A. maritima – *Histiostoma piscium*

Titanolabis colossea – *Histiostoma australiense*, *H. humiditatis*, *H. titanolabi*

Fam. Forficulidae

Forficula auricularia – *Histiostoma polypori*

Heteroptera

Fam. Coreidae

Spartocera cinammomea - *Scolianoetus brasiliensis*

Fam. Veliidae

Lathriovelia rickmersi – *Tensiostoma veliaphilum*

L. capitata - *Tensiostoma veliaphilum*

Hymenoptera

Fam. Megachilidae

Heriades erythrosoma – *Histiostoma heriades*

Fam. Apidae

Xenoglossa strenua – *Histiostoma inquilinus*

Fam. Halictidae

Augochlora spp. – *Histiostoma eickworthi*
Halictus holtzi – *Histiostoma szelenyii*
H. sexcinctus – *Histiostoma halicticolum*
H. rubicundus – *Histiostoma halictonida*
H. tatrazonianellus – *Histiostoma orientalis*
Megalopta spp. – *Histiostoma halictonida*
Nomia melanderi – *Glyphanoetus nomiensis*
N. nortoni – *Glyphanoetus nomiensis*

Fam. Formicidae

Aphaenogaster testaceopilosa – *Anoetus privorai*
Camponotus sp. – *Histiostoma myrmicarum*
Eciton burchelli – *Histiostoma incurvatum*, *Pteranoetus incertus*
E. hamatum – *Histiostoma clavifer*, *H. moralesi*, *H. rostratum*
E. lucanoides – *Histiostoma elzingai*, *H. scinditum*
Formica fusca – *Histiostoma myrmicarum*
F. lemani – *Anoetus komarpictoris*, *A. shamyi*
F. rufa – *Anoetus exornatus*
Gymnometopina kibokoensis – *Anoetus caljubiensis*
Labidus praedator – *Conglanoetus ornatofoveolatus*, *Histiostoma capillatum*,
H. rettenmeyerorum
Labidus sp. – *Histiostoma continuatum*, *H. rimosum*
Lasius flavus – *Histiostoma myrmicarum*
L. niger – *Histiostoma myrmicarum*
Myrmica laevinodis – *Histiostoma myrmicarum*
M. ruginodis – *Anoetus dolifer*, *Bonomoia recondita*, *Histiostoma myrmicarum*
M. rubra – *Anoetus opertus*
M. sabuleti – *Anoetus dolifer*
Neivamyrmex gibbatus – *Histiostoma diadematum*
N. gradualis – *Pteranoetus rettenmeyeri*
Solenopsis invicta – *Histiostoma blomquisti*

Fam. Scoliidae

Campsomeris mansueta – *Scolianoetus scheucherae*

Fam. Chrysididae

Chrysis sp. – *Probonomoia chrysis*

Fam. Vespidae

Vespidae gen. sp. – *Histiostoma tanypus*

Diptera**Fam. Asilidae**

Laphria flava – *Probonomoia humprehti*

Fam. Ceratopogonidae

Culicoides brevitarsis – *Myianoetus dycei*

Fam. Chloropidae

Gampsocera mutata - *Histiostoma gampsoceri*

Scoliophthalmus sp. - *Anoetus domrowi*

Siphunculina sp. - *Histiostoma siphunculinae*

Fam. Drosophilidae

Drosophyla bipectinata - *Histiostoma unidentatum*

D. willstoni - *Hormosianoetus laboratorium*

D. subobscura - *Hormosianoetus laboratorium*

Drosophila sp. - *Hormosianoetus aeschlimanni*

Fam. Glossinidae

Glossina fuscipes quanzensis - *Histiostoma schoutedeni*, *Probonomoia congoensis*

Fam. Muscidae

Azelia parva - *Myianoetus pappi*

Haematobia irritans - *Ameranoetus haematobii*

Hebecnema umbratica - *Myianoetus simplex*

Hydrotaea occulta - *Myianoetus tuomikoskii*

H. tuberculata - *Myianoetus tuomikoskii*

Hydrotaea sp. - *Myianoetus longisetosus*, *M. ovatus*

Musca domestica - *Histiostoma muscae*

Ophyra leucostoma - *Myianoetus parvus*

Synthesiomyia nudiseta - *Myianoetus muscarum*

Fam. Fanniidae

Fannia sp. - *Myianoetus mystacis*

Fam. Sepsidae

Sepsis thoracica - *Myianoetus simplex*

Fam. Heleomyzidae

Amoebaleria cacsia - *Myianoetus diadematus*

A. spectabilis - *Myianoetus diadematus*

Borboropsis fulviceps - *Myianoetus parvus*

Gymnomus caesius - *Myianoetus sovat*

Helomyza brachypterna - *Myianoetus diadematus*

H. serrata - *Myianoetus diadematus*

Fam. Sphaeroceridae

Borborillus sordidus - *Myianoetus mlcoch*

Coproica acutangula - *Xenanoetus kofrankova*

C. lugubris - *Myianoetus simplex*, *M. simunek*, *M. zdena*

C. pallifrons - *Myianoetus zdena*

C. vagans - *Myianoetus zdena*

C. viripennis - *Myianoetus rohaceki*

Elachisoma aterrima - *Myianoetus zdena*

Gymnometopina kibokoensis - *Xenanoetus kabrt*

G. magna - *Anoetus fetters*, *Syringanoetus vandenberghi*

Ischiolepta pusilla - *Capronomoia sphaerocerae*

Limosina clunipes - *Myianoetus virgatus*

L. rufilabris - *Myianoetus rohaceki*

L. talparum - *Glyphanoetus phyllotrichus*

Lotobia pallidiventris - *Myianoetus zdena*

Lotophila atra - *Myianoetus rohaceki*

Metaborborus calcaratus - *Anoetus fetters*

Philocoprella quadrispina - *Myianoetus zdena*

Physiophora sp. - *Capronomoia sphaerocerae*

Pilocoprella quadrispina - *Myianoetus mlcoch*

Richardia sp. - *Anoetus helena*, *Richardanoetus demel*

Spelobia clunipes - *Myianoetus virgatus*

Sphaerocera curvipes - *Capronomoia sphaerocerae*

S. subsultans - *Capronomoia sphaerocerae*

Fam. Syrphidae

Mallota bautius - *Hormosianoetus mallotae*

M. posticata - *Hormosianoetus mallotae*

Fam. Tabanidae

Hybomitra affinis - *Bonomoia* sp.

H. epistates - *Bonomoia* sp.

H. illota - *Bonomoia* sp.

H. lasiophthalmus - *Bonomoia* sp.

H. nuda - *Bonomoia* sp.

Tabanus quinquestriatus - *Bonomoia* sp.

Lepidoptera

Fam. Cossidae

Cossus cossus - *Histiostoma cossi*, *H. dryocoeti*

C. ligniperda - *Histiostoma cossi*

Fam. Hesperidae

Pelopides tridens - *Scolianoetus javanus*

Pisces

Perciformes

Fam. Percichthyidae

Maccullochella peelii peelii - *Histiostoma papillatum*

Siluriformes

Fam. Pangasiidae

Pangasius sutchi - *Histiostoma piscium*

Anguilliformes

Fam. Anguillidae

Anguilla anguilla - *Histiostoma anguillarum*

Aves**Sphenisciformes****Fam. Spheniscidae**

Eudyptula minor albosignata – *Histiostoma mantelli*, *Myianoetus antipodus*

Mammalia**Rodentia****Fam. Sciuridae**

Spermophilus [*Citellus*] *citellus* – *Myianoetus clavatus*

Fam. Arvicolidae

Myodes [*Clethrionomys*] *glareolus* – *Histiostoma sapromyzarum*

Proboscidea**Fam. Elephantidae**

Elephas maximus – *Loxanoetus lenae*

Loxodonta africana – *Loxanoetus bassoni*, *Otanoetus wetzeli*

Artiodactyla**Fam. Bovidae**

Syncerus caffer – *Auricanoetus longitarsus*, *Loxanoetus bassoni*, *Otanoetus wetzeli*

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The Mite Family Guanolichidae Fain

Guanolichidae Fain, 1968: 199

Small family of four known species in Africa (Gabon) and America (Suriname, Panama and Mexico). These completely sclerotized mites live in the bat guano, some were found on bats (Noctilionidae, Natalidae).

Composition of Guanolichidae

Family **Guanolichidae** Fain, 1968–3 gen., 4 sp.

Guanolichoides Fain, 1979–1 sp.

Guanolichus Fain, 1968–1 sp.

Neoguanolichus Fain, 1979–2 sp.

Catalogue of Guanolichidae

Family **Guanolichidae** Fain

Guanolichidae Fain, 1968: 199

Type genus: *Guanolichus* Fain, 1968

Genus ***Guanolichoides*** Fain

Guanolichoides Fain, 1979: 117

Type species: *Guanolichoides lukoschusi* Fain, 1979

Guanolichoides lukoschusi Fain

Guanolichoides lukoschusi Fain, 1979: 117

Type locality: Phedra

Distribution: Suriname

Host: *Noctilio labialis* (Chiroptera: Noctilionidae)

Genus ***Guanolichus*** Fain

Guanolichus Fain, 1968: 203

Type species: *Guanolichus gabonensis* Fain, 1968

Guanolichus gabonensis Fain

Guanolichus gabonensis Fain, 1968: 203

Type locality: bat guano, cave Faucon, Belinga, Gabon

Distribution: Gabon

Substrate: bat guano

Genus ***Neoguanolichus*** Fain

Neoguanolichus Fain, 1979: 117 [Redescription, Fashing 1980: 109]

Type species: *Neoguanolichus mexicanus* Fain, 1979

Neoguanolichus mexicanus Fain

Neoguanolichus mexicanus Fain, 1979: 118

Type locality: Durango

Distribution: Mexico

Substrate: from a bat, *Natalus stramineus ventanus* (Chiroptera: Natalidae)

Neoguanolichus panamensis Fashing

Neoguanolichus panamensis Fashing, 1980: 109

Type locality: Cocolé Cave, 0.8 mile North of Penonomé

Distribution: Panama

Substrate: bat guano

Index of Guanolichidae

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Guanolichus 142

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mexicanus, *Neoguanolichus* 142

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Distribution of Guanolichidae

AFRICA

Gabon (Fain, 1968) - *Guanolichus gabonensis*

NORTH AMERICA

Mexico (Fain, 1979) – *Neoguanolichus mexicanus*

CENTRAL AMERICA

Panama (Fashing, 1980) – *Neoguanolichus panamensis*

SOUTH AMERICA

Suriname (Fain, 1979) – *Guanolichoides lukoschusi*

Hosts of Guanolichidae

Chiroptera

Fam. Natalidae

Natalus stramineus ventatus – *Neoguanolichus mexicanus*

Fam. Noctilionidae

Noctilio labialis – *Guanolichoides lukoschusi*

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The Mite Superfamily Canestrinioidea

Superfamily of four families (Canestriniidae, Chetochelacaridae, Lophonotacaridae and Heterocoptidae) of relatively large mites (113 genera, ca. 376 valid species) living as commensals or parasites on beetles (Coleoptera: Carabidae, Chrysomelidae, Elateridae, Scarabaeidae, Tenebrionidae, Passalidae and others), mostly under elytrae. One genus and species of Canestriniidae (*Diplopodocoptes transkeiensis*) and the mites of the families Chetochelacaridae and Lophonotacaridae are associated with Myriapods (Diplopoda).

The Mite Family Canestriniidae

Canestriniidae Berlese, 1884

As early as 1878 G. Canestrini described “*Dermaleichus*” [now *Dicanestrinia*] *cerambycis*. The study of the Canestriniidae (as of many other groups of mites) starts with some papers of Berlese (1881, 1882, 1884, 1910, 1911, 1920), with descriptions of the genera *Canestrinia*, *Canestriniella*, *Coleopterophagus*, *Dicanestrinia* and *Percanestrinia* and of the family Canestriniidae. Oudemans (1904) described the important genus *Photia*.

Until the work of Cooreman (1950, 1955, 1958) and Lombardini (1950) have been described only five more genera (by Trägårdh, 1906, Banks, 1915, Lombardini, 1943, Turk, 1948) and 16 valid species. The publications of Cooreman, and especially the one of 1950, laid the base of the modern study of Canestriniidae (including nine new genera and several new species). In the period between 1950 and 1988 several other authors contributed to the study of these mites (Lavoipierre, Vomero, Fain, Nesbitt, Lindquist, Beron and others). Should be marked especially the results obtained by K. Samšínák (1963–1971) and Summers and Schuster (1979–1982). In the important paper of Samšínák (1971) have been described many new genera and new species from Carabidae. In five papers Summers and Schuster published the subfamily Melisiinae, 11 new genera and many new species. Until the beginning of the work of R. Haitlinger (1988, but including the paper of Fain, 1989) have been published 34 valid genera and 146 species of the family Canestriniidae.

From the 100 valid genera almost half (42) are monotypic.

In more than 450 papers since 1988 R. Haitlinger contributed most of all to the study of Canestriniidae. He described 53 of the 100 valid genera and 200 of the 348 valid species in the family (including the subfamily Vereoxiinae). The papers of Haitlinger deal with

material from more than 50 countries and changed the overall picture of the distribution and the list of hosts of these mites. Most of the new genera are so far monotypic.

Recently some newer authors joint the research efforts of Haitlinger. Kim et al. (2006) described the new genus *Haitlingeria*, Trach, Eidelberg and Khaustov contributed to the study of Canestriniids of Ukraine, including descriptions of four new genera.

Composition of Canestriniidae

Fam. Canestriniidae - 100 gen., 348 sp.

Subfam. Canestriniinae

- Acrotocarus* Banks, 1915–3 sp.
- Afrocanestrinia* Cooreman, 1955–3 sp.
- Albinorattia* Haitlinger, 1989–1 sp.
- Amansiella* Khaustov et Eidelberg, 2001–1 sp.
- Ambilohylla* Haitlinger, 1990–1 sp.
- Amboinophela* Haitlinger, 1993–1 sp.
- Anaspistes* Summers et Schuster, 1982–1 sp.
- Apalotacarus* Summers et Schuster, 1981–17 sp.
- Arraphosoma* Summers et Schuster, 1981–1 sp.
- Arrunsithiana* Haitlinger, 1992–10 sp.
- Athogavia* Haitlinger, 1989–7 sp.
- Aurilossongia* Haitlinger, 1989–6 sp.
- Averithiana* Haitlinger, 1999–1 sp.
- Barbiangia* Haitlinger, 1993–3 sp.
- Beeriphotia* Haitlinger, 1994–1 sp.
- Bibulothiana* Haitlinger, 1993–6 sp.
- Bircericola* Haitlinger, 2000–1 sp.
- Boetophela* Haitlinger, 1989–10 sp.
- Boleohylla* Haitlinger, 1991–2 sp.
- Camirohylla* Haitlinger, 1991–1 sp.
- Canestrinia* Berlese, 1881–17 sp.
- Canestriniella* Berlese, 1910–6 sp.
- Caraboecius* Cooreman, 1950–1 sp.
- Cetonicola* Cooreman, 1955–5 sp.
- Chelinochroa* Summers et Schuster, 1982–1 sp.
- Cnecoderma* Summers et Schuster, 1981–2 sp.
- Coleoglyphus* Berlese, 1910b - 2 sp.
- Coleopterophagus* Berlese, 1882–11 sp.
- Cooremania* Nesbitt, 1976–2 sp.
- Danaithiana* Haitlinger, 1991b - 4 sp.

Dicanestrinia Berlese, 1911–3 sp.
Diplognathophilus Cooreman, 1955–1 sp.
Diplopodocoptes Fain, 1987–1 sp.
Donnelaphontia Lavoipierre, 1958–2 sp.
Dorynothiana Haitlinger, 1999–2 sp.
Ennodithiana Haitlinger, 1993–6 sp.
Eunorithiana Haitlinger, 1999–2 sp.
Gasuthiana Haitlinger, 1989–5 sp.
Gioharattia Haitlinger, 1989–2 sp.
Globosphotia Haitlinger, 1991–1 sp.
Grandiellina Fain, 1989 (= *Grandiella* Lombardini, 1939 praeocc.) - 21 sp.
Grandiellopsis Fain, 1989–7 sp.
Haitlingeria Kim et al., 2006–1 sp.
Hargeinella Haitlinger, 1989–1 sp.
Hatohylla Haitlinger, 1990–4 sp.
Hyllosihemia Haitlinger, 1994–1 sp.
Hypopteryx Summers et Schuster, 198–1 sp.
Ibizella Haitlinger et Šundić, 1918–3 sp.
Irmongia Haitlinger, 1990b – 1 sp.
Jowitella Haitlinger, 1990b – 1 sp.
Jullongia Haitlinger, 1990b – 1 sp.
Kahoorangia Haitlinger, 1991–1 sp.
Lidiophela Haitlinger, 1990b – 7 sp.
Megacanestrinia Trägårdh, 1906–2 sp.

Subfam. Melisiinae

Contramelisia Samšinák, 1969–1 sp.
Melisia Lombardini, 1944–22 sp.
Mesophotia Samšinák, 1971–1 sp.
Metriothiana Haitlinger, 1999–1 sp.
Mossongia Haitlinger, 1989–2 sp.
Neophotia Samšinák, 1971–3 sp.
Noemiphela Haitlinger, 1992–2 sp.
Oceogavia Haitlinger, 1989–1 sp.
Olafithiana Haitlinger, 1993–5 sp.
Olgattia Haitlinger, 1990–1 sp.
Ovarrothiana Haitlinger, 1993–6 sp.
Paracanestrinia Haitlinger, 2017–1 sp.
Paramansia Cooreman, 1950–3 sp.
Paramelisia Summers et Schuster, 1982–1 sp.
Paraphagella Cooreman, 1955–6 sp.
Paraphotia Khaustov et Eidelberg, 2001–1 sp.

- Passalophagus* Nesbitt, 1976–1 sp.
Percanestrinia Berlese, 1911–8 sp.
Percanestriniella Khaustov et Eidelberg, 2001–4 sp.
Peruthiana Haitlinger, 2008–1 sp.
Phaleratus Nesbitt, 1976–2 sp.
Phelliculophela Haitlinger, 1993–1 sp.
Photia Oudemans, 1904–18 sp.
Phriknodora Summers et Schuster, 1982–3 sp.
Procericola Cooreman, 1950–2 sp.
Pseudamansia Cooreman, 1950–2 sp.
Pseudocanestrinia Khaustov et Eidelberg, 2001–5 sp.
Pseudoparaphagella Haitlinger, 2010–1 sp.
Rugoniphela Haitlinger, 1992–1 sp.
Sabothiana Haitlinger, 1993–3 sp.
Sajanophela Haitlinger, 1990–1 sp.
Sandrophela Haitlinger, 1990–7 sp.
Saniothiana Haitlinger, 1990–2 sp.
Scarabiphotia Haitlinger, 1994–1 sp.
Shillongia Haitlinger, 1990–1 sp.
Sorbinophela Haitlinger, 1993–1 sp.
Tamarangia Haitlinger, 1991–4 sp.
Tamarophela Haitlinger, 1990–1 sp.
Taseopus Summers et Schuster, 1982–1 sp.
Teklathiana Haitlinger, 1999–3 sp.
Teophyssa Haitlinger, 1990b – 3 sp.
Thopia Summers et Schuster, 1982–6 sp.
Uriophela Haitlinger, 1992–1 sp.
Vandeinella Haitlinger, 1989–2 sp.

Subfam. **Vereoxiinae**

- Vereoxia* Haitlinger, 1995–1 sp.

Catalogue of the Family Canestriniidae

Family **Canestriniidae** Berlese

Canestriniidae Berlese, 1884: 92

Type genus: *Canestrinia* Berlese, 1881

Subfamily **Canestriniinae** Berlese

Canestriniidae Berlese, 1884: 92

Type genus: *Canestrinia* Berlese, 1881

Genus ***Acrotocarus*** Banks

Acrotocarus Banks, 1915: 152

Type species: *Acrotocarus mirabilis* Banks, 1915

Acrotocarus alutaceus (Turk)

Amansia alutacea Turk, 1948: 88

Acrotocarus alutaceus (Turk): Summers & Schuster 1979b: 480

Type locality: St. Augustine

Distribution: Trinidad

Host: *Physonota alutacea* (Coleoptera: Chrysomelidae, Cassidinae)

Acrotocarus crataepus (Summers et Schuster)

Acrotocarus crataepus Summers & Schuster, 1979b: 484

Type locality: unknown

Distribution: unknown

Host: *Physonota dilata* (Coleoptera: Chrysomelidae, Cassidinae)

Acrotocarus mirabilis Banks

Acrotocarus mirabilis Banks, 1915: 152; Summers & Schuster, 1979b: 476

Type locality: Cordoba (Mexico)

Distribution: Costa Rica, Guatemala, Mexico

Hosts: *Physonota alutacea*, *Physonota* sp. (Coleoptera: Chrysomelidae)

Genus ***Afrocanestrinia*** Cooreman

Afrocanestrinia Cooreman, 1955: 25

Type species: *Afrocanestrinia straeleni* Cooreman, 1955

Afrocanestrinia rufinae Haitlinger

Afrocanestrinia rufinae Haitlinger, 1995a: 85

Type locality: Tanzania

Distribution: Tanzania

Host: *Smaragdesthes oertzeni* (Coleoptera: Scarabaeidae, Cetoniinae)

Afrocanestrinia samsoni Haitlinger

Afrocanestrinia samsoni Haitlinger, 1995a: 87

Type locality: Senegal

Distribution: Senegal

Host: *Smaragdesthes africana* (Coleoptera: Scarabaeidae, Cetoniinae)

Afrocanestrinia straeleni Cooreman

Afrocanestrinia straeleni Cooreman, 1955: 25; Haitlinger, 1995: 85

Type locality: May-ya-Moto, Rutshuru

Distribution: D.R. Congo

Hosts: *Smaragdesthes africana mutica*, *Dicronorhina micans* (Coleoptera: Scarabaeidae, Cetoniinae)

Genus ***Albinorattia*** Haitlinger

Albinorattia Haitlinger, 1989: 588

Type species: *Albinorattia igori* Haitlinger, 1989

Albinorattia igori Haitlinger

Albinorattia igori Haitlinger, 1989: 588

Type locality: Batjan

Distribution: Indonesia

Host: *Ischipsophia olivacea* (Coleoptera: Sarabaeidae, Cetoniinae)

Genus ***Amansiella*** Khaustov et Eidelberg

Amansiella Khaustov & Eidelberg, 2001: 41

Type species: *Amansiella trilobata* Khaustov et Eidelberg, 2001

Amansiella trilobata Khaustov et Eidelberg

Amansiella trilobata Khaustov & Eidelberg, 2001: 41; Trach, 2006: 176; Trach & Khaustov, 2007: 268

Type locality: Crimea, Yalta

Distribution: Crimea, Ukraine

Host: *Timarcha tenebricosa* (Coleoptera: Chrysomelidae)

Genus ***Ambilohylla*** Haitlinger

Ambilohylla Haitlinger, 1990: 316

Type species: *Ambilohylla* Haitlinger, 1993

Ambilohylla favosa Haitlinger

Ambilohylla favosa Haitlinger, 1990: 316

Type locality: Madagascar

Distribution: Madagascar

Host: *Damatria formosus* (Coleoptera: Tenebrionidae)

Genus ***Amboinophela*** Haitlinger

Amboinophela Haitlinger, 1993: 339

Type species: *Amboinophela berna* Haitlinger, 1993

Amboinophela berna Haitlinger

Amboinophela berna Haitlinger, 1993b: 340

Type locality: Moluccas, Amboina Is.

Distribution: Indonesia, New Guinea

Host: *Metapodonotus bison*, *M. cinctus* (Coleoptera: Lucanidae)

Genus ***Anaspistes*** Summers et Schuster

Anaspistes Summers & Schuster, 1982b: 43

Type species: *Anapistes unguiculatus* Summers et Schuster, 1982

Anaspistes unguiculatus Summers et Schuster

Anaspistes unguiculatus Summers & Schuster, 1982b: 43

Type locality: Kisarawe

Distribution: Tanzania

Host: *Sternotomis bohemanni* (Coleoptera: Cerambycidae)

Genus ***Apalotacarus*** Summers et Schuster

Apalotacarus Summers & Schuster, 1981a: 28

Type species: *Apalotacarus fusulus* Summers et Schuster, 1981

Apalotacarus aristatus Summers et Schuster

Apalotacarus aristatus Summers & Schuster, 1981a: 28

Type locality: Mucha

Distribution: Taiwan, Indonesia (Java), India (Assam)

Host: *Aceraius grandis hirsutus* (Coleoptera: Passalidae)

Apalotacarus cidaris Summers et Schuster

Apalotacarus cidaris Summers & Schuster, 1981a: 25

Type locality: Daru

Distribution: Papua New Guinea

Host: *Protomocoelus australis* (Coleoptera: Passalidae)

Apalotacarus echinatus Summers et Schuster

Apalotacarus echinatus Summers & Schuster, 1981a: 33

Type locality: 12 mi. W of Munnar, S. India

Distribution: India

Host: *Pleurarius brachyphilus* (Coleoptera: Passalidae)

Apalotacarus fulgens Summers et Schuster

Apalotacarus fulgens Summers & Schuster, 1981a: 31

Type locality: Batavia [Djakarta], Java

Distribution: Indonesia (Java)

Host: *Pelopides tridens* (Coleoptera: Passalidae)

Apalotacarus fusticulus Summers et Schuster*Apalotacarus fusticulus* Summers & Schuster, 1981a: 31

Type locality: Ulong, NSW

Distribution: Australia (NSW)

Host: *Pharochilus nitidulus* (Coleoptera: Passalidae)***Apalotacarus fusulus*** Summers et Schuster*Apalotacarus fusulus* Summers & Schuster, 1981a: 20

Type locality: Finschhafen, Papua New Guinea

Distribution: Papua New Guinea, Philippines (Mindoro)

Host: *Labienus plox* (Coleoptera: Passalidae)***Apalotacarus glaber*** Summers et Schuster*Apalotacarus glaber* Summers & Schuster, 1981a: 25

Type locality: Russel Island

Distribution: Solomon Islands

Host: *Protomocoelus triumphator* (Coleoptera: Passalidae)***Apalotacarus gracilis*** Summers et Schuster*Apalotacarus gracilis* Summers & Schuster, 1981a: 33

Type locality: 40 mi. SE Walcha, Stop 418, NSW, Australia

Distribution: Australia

Host: Coleoptera (Passalidae)

Apalotacarus luroris Summers et Schuster*Apalotacarus luroris* Summers & Schuster, 1981a: 33

Type locality: Ulong, NSW

Distribution: Australia (NSW, Queensland)

Hosts: *Mastochilus australasicus*, *M. quaestionis*, *Pharochilus dilatatus*, *Ph. nitidulus* (Coleoptera: Passalidae)***Apalotacarus paxillus*** Summers et Schuster*Apalotacarus paxillus* Summers & Schuster, 1981a: 21

Type locality: Wau, Morobe

Distribution: Papua New Guinea

Host: Coleoptera (Passalidae)

Apalotacarus petilus Summers et Schuster*Apalotacarus petilus* Summers & Schuster, 1981a: 23

Type locality: Finschhafen

Distribution: Papua New Guinea, incl. Bougainville I.

Host: *Protomocoelus australis* (Coleoptera: Passalidae)

Apalotacarus protensus Summers et Schuster

Apalotacarus protensus Summers & Schuster, 1981a: 28

Type locality: Kurseong, Darjeeling

Distribution: India

Host: *Macrolinus nicobaricus* (Coleoptera: Passalidae)

Apalotacarus rigescens Summers et Schuster

Apalotacarus rigescens Summers & Schuster, 1981a: 26

Type locality: Wau, Morobe

Distribution: Papua New Guinea

Host: Coleoptera (Passalidae)

Apalotacarus sajanae Haitlinger

Apalotacarus sajanae Haitlinger, 1990b: 536

Type locality: Java

Distribution: Indonesia (Java)

Host: *Eriocnemis tridens* (Coleoptera: Passalidae)

Apalotacarus scaurus Summers et Schuster

Apalotacarus scaurus Summers & Schuster, 1981a: 30

Type locality: Kabasalan, Mindanao

Distribution: Philippines (Mindanao)

Host: *Macrolinus weberi* (Coleoptera: Passalidae)

Apalotacarus scissus Summers et Schuster

Apalotacarus scissus Summers & Schuster, 1981a: 37

Type locality: Anomali Hills, Cinchona, S. India

Distribution: India

Host: *Plurarius brachyphyllus* (Coleoptera: Passalidae)

Apalotacarus trullus Summers et Schuster

Apalotacarus trullus Summers & Schuster, 1981a: 23

Type locality: Hassensan

Distribution: Taiwan

Host: *Leptaulax bicolor formosanus* (Coleoptera: Passalidae)

Genus ***Arraphosoma*** Summers et Schuster

Arraphosoma Summers & Schuster, 1981b: 43

Type species: *Arraphosoma minax* Summers & Schuster, 1981

Arraphosoma minax Summers et Schuster

Arraphosoma minax Summers & Schuster, 1981b: 44

Type locality: New Guinea
 Distribution: New Guinea
 Host: (Coleoptera: Passalidae)

Arraphosoma paraminax Summers et Schuster
Arraphosoma paraminax Summers & Schuster, 1981b: 44
 Type locality: Mollucan Islands
 Distribution: Indonesia
 Host: *Labiens gigas* (Coleoptera: Passalidae)

Genus ***Arrunsithiana*** Haitlinger
Arrunsithiana Haitlinger, 1991e: 392
 Type species: *Arrunsithiana artemoni* Haitlinger, 1991

Arrunsithiana arcuata (Fain)
Grandiella arcuata Fain, 1987: 109
Grandiellina arcuata (Fain): Fain, 1989: 67
Arrunsithiana arcuata (Fain): Haitlinger, 1991e: 397
 Type locality: Bahia, Santarem
 Distribution: Brazil
 Hosts: *Stolas decemguttata*, *S. esignata* (Coleoptera: Chrysomelidae)

Arrunsithiana artemoni Haitlinger
Arrunsithiana artemoni Haitlinger, 1991e: 393
 Type locality: Ecuador
 Distribution: Ecuador
 Host: *Stolas latevittata* (Coleoptera: Chrysomelidae)

Arrunsithiana battosi Haitlinger
Arrunsithiana battosi Haitlinger, 1991e: 396
 Type locality: Bolivia, Coroica
 Distribution: Bolivia, Brazil, Colombia, Ecuador, Peru
 Hosts: *Stolas pleurosticha*, *S. lenis*, *S. oblita*, *S. erichsoni*, *S. inexculta*, *S. huanocensis*, *S. cruentata*, *S. scoparia*, *S. funebris*, *S. niobe*, *S. ignita*, *S. conspersa*, *S. gibbosa*, *S. paranensis*, *S. chalybaea* (Coleoptera: Chrysomelidae)

Arrunsithiana erinnae Haitlinger
Arrunsithiana erinnae Haitlinger, 1991e: 394
 Type locality: Santa Inez
 Distribution: Ecuador
 Host: *Stolas pectinata* (Coleoptera: Chrysomelidae)

Arrunsithiana esacaudata (Lombardini)

Grandiella esacaudata Lombardini, 1939: 118; 1950: 784; Summers & Schuster, 1979a: 335; Fain, 1987: 109

Grandiellina esacaudata (Lombardini): Fain, 1989: 67

Arrunsithiana esacaudata (Lombardini): Haitlinger, 1991e: 398

Type locality: Brazil

Distribution: Bolivia, Brazil, Costa Rica, French Guyana, Guatemala, Mexico

Hosts: *Omoplate marginata* (Coleoptera: Cerambycidae), *Phaeneum* sp., *Stolas punicea* (Coleoptera: Chrysomelidae)

Arrunsithiana ilosi Haitlinger

Arrunsithiana ilosi Haitlinger, 1991e: 395

Type locality: Bogota

Distribution: Colombia

Host: *Cyrtanota dissecta* (Coleoptera: Chrysomelidae)

Arrunsithiana latipes (Fain)

Grandiellina latipes Fain, 1989: 67

Arrunsithiana latipes (Fain): Haitlinger, 1991e: 398

Type locality: South America

Distribution: South America

Host: *Stolas inaequalis* (Coleoptera: Chrysomelidae)

Arrunsithiana quadrata (Fain)

Grandiella quadrata Fain, 1987: 106

Grandiellina quadrata (Fain): Fain, 1989: 67

Arrunsithiana quadrata (Fain): Haitlinger, 1991e: 397

Type locality: Brazil, Bolivia (Santa Cruz), Colombia (Muzo)

Distribution: Colombia, Bolivia, Brazil

Host: *Stolas aenea*, *S. indigacea*, *S. conspersa*, *S. chalybaea*, *S. funebris*, *Eugenysa columbiana* (Coleoptera: Chrysomelidae)

Arrunsithiana spicantis (Summers et Schuster)

Grandiella spicantis Summers & Schuster, 1979a: 341; Fain, 1987: 94

Grandiellina spicantis (Summers et Schuster): Fain, 1989: 67

Arrunsithiana spicantis (Summers et Schuster): Haitlinger, 1991e: 397

Type locality: Santa Catarina

Distribution: Brazil

Hosts: *Canistra plagosa*, *Stolas chalybaea*, *S. conspersa* (Coleoptera: Chrysomelidae)

Arrunsithiana squarrosa (Summers et Schuster)

Grandiella squarrosa Summers & Schuster, 1979a: 338; Fain, 1987: 94

Grandiellina squarosa (Summers et Schuster): Fain, 1989: 67
Arrunsithiana squarrosa (Summers et Schuster): Haitlinger, 1991e: 398
Type locality: Chanchamayo Valley
Distribution: Peru, French Guiana
Host: *Stolas* sp. (Coleoptera: Chrysomelidae)

Genus ***Athogavia*** Haitlinger
Athogavia Haitlinger, 1989d: 337
Type species: *Athogavia tanzanica* Haitlinger, 1989

Athogavia arybbasi Haitlinger
Athogavia arybbasi Haitlinger, 1989d: 592
Type locality: Papua New Guinea
Distribution: Papua New Guinea
Host: Dynastinae (Coleoptera: Scarabaeidae)

Athogavia assamica Haitlinger
Athogavia assamica Haitlinger, 1989d: 348
Type locality: Assam
Distribution: India
Host: *Trichogomphus nartolani* (Coleoptera: Scarabaeidae, Dynastinae)

Athogavia borneoica Haitlinger
Athogavia borneoica Haitlinger, 1989d: 346
Type locality: Borneo
Distribution: Borneo
Host: *Oryctes rhinoceros* (Coleoptera: Scarabaeidae, Dynastinae)

Athogavia gamana Haitlinger
Athogavia gamana Haitlinger, 1989d: 342
Type locality: Tanzania
Distribution: Tanzania
Host: *Oryctes monoceros* (Coleoptera: Scarabaeidae, Dynastinae)

Athogavia nosiana Haitlinger
Athogavia nosiana Haitlinger, 1989: 340
Type locality: Madagascar
Distribution: Madagascar
Host: *Oryctes* (Coleoptera: Scarabaeidae, Dynastinae)

Athogavia scagana Haitlinger
Athogavia scagana Haitlinger, 1989d: 342

Type locality: Borneo

Distribution: Borneo

Host: *Oryctes* sp. (Coleoptera: Scarabaeidae, Dynastinae)

***Athogavia tanzanica* Haitlinger**

Athogavia tanzanica Haitlinger, 1989d: 338

Type locality: Tanzania

Distribution: Tanzania

Host: *Oryctes monoceros* (Coleoptera: Scarabaeidae, Dynastinae)

Genus *Aurilossongia* Haitlinger

Aurilossongia Haitlinger, 1989a: 43

Type species: *Aurilossongia hoaria* Haitlinger, 1989

***Aurilossongia bolanica* Haitlinger**

Aurilossongia bolanica Haitlinger, 1989a: 47

Type locality: Bolan Mts.

Distribution: Papua New Guinea

Host: *Xylotrupes asperulus* (Coleoptera: Cerambycidae)

***Aurilossongia dioni* Haitlinger**

Aurilossongia dioni Haitlinger, 1989: 593

Type locality: Indonesia

Distribution: Indonesia

Host: *Chalcosoma atlas* (Coleoptera: Scarabaeidae, Dynastinae)

***Aurilossongia fileasi* Haitlinger**

Aurilossongia fileasi Haitlinger, 1989: 593

Type locality: Papua New Guinea

Distribution: Papua New Guinea

Host: Scarabaeidae, Dynastinae (Coleoptera)

***Aurilossongia gaurana* Haitlinger**

Aurilossongia gaurana Haitlinger, 1989a: 48

Type locality: New Britain, Rabaul

Distribution: Papua New Guinea

Host: ?*Xylotrupes* sp. (Coleoptera: Cerambycidae, Dynastinae)

***Aurilossongia hoaria* Haitlinger**

Aurilossongia hoaria Haitlinger, 1989a: 44

Type locality: Borneo (Kalimantan)

Distribution: Indonesia (Kalimantan)

Host: *Xylotrupes* sp. (Coleoptera: Cerambycidae, Dynastinae)

Aurilossongia norae Haitlinger

Aurilossongia norae Haitlinger, 1989: 594

Type locality: Papua New Guinea

Distribution: Papua New Guinea

Host: *Dynastes gideon* (Coleoptera: Scarabaeidae, Dynastinae)

Genus ***Averithiana*** Haitlinger

Averithiana Haitlinger, 1999: 42

Type species: *Averithiana anoni* Haitlinger, 1999

Averithiana anoni Haitlinger

Averithiana anoni Haitlinger, 1999: 42

Type locality: French Guyana

Distribution: French Guyana

Host: *Zatrephina lineata* (Coleoptera: Chrysomelidae, Cassidinae)

Genus ***Barbiangia*** Haitlinger

Barbiangia Haitlinger, 1993a: 5

Type species: *Barbiangia alvari* Haitlinger, 1993

Barbiangia alvari Haitlinger

Barbiangia alvari Haitlinger, 1993a: 6

Type locality: Zanzibar

Distribution: Tanzania (Zanzibar)

Host: undetermined Cetoniinae (Coleoptera: Scarabaeidae)

Barbiangia elongata Khaustov

Barbiangia elongata Khaustov, 2006: 80

Type locality: Ethiopia

Distribution: Ethiopia

Host: *Diplognatha gagates* (Coleoptera: Scarabaeidae, Cetoniinae)

Barbiangia ethiopica (Haitlinger)

Diplognatophilus ethiopicus Haitlinger, 1990: 321

Barbiangia ethiopica (Haitlinger): Haitlinger, 1993a: 7

Type locality: Ethiopia

Distribution: Ethiopia

Host: Scarabaeidae, Cetoniinae (Coleoptera)

Genus ***Beeriphotia*** Haitlinger

Beeriphotia Haitlinger, 1994a: 207

Type species: *Beeriphotia volkeri* Haitlinger, 1994

Beeriphotia volkeri Haitlinger

Beeriphotia volkeri Haitlinger, 1994a: 207

Type locality: Guandong (Kanton)

Distribution: China

Host: *Carabus angulicollis antaeus* (Coleoptera: Carabidae)

Genus ***Bibulothiana*** Haitlinger

Bibulothiana Haitlinger, 1993e: 278

Type species: *Grandiella brevispinata* Summers et Schuster, 1979

Bibulothiana albertae Haitlinger

Bibulothiana albertae Haitlinger, 1994: 82

Type locality: Turrialba

Distribution: Costa Rica

Host: *Chelymorpha comata* (Coleoptera: Chrysomelidae, Cassidinae)

Bibulothiana brevispinata (Summers et Schuster)

Grandiella brevispinata Summers & Schuster, 1979: 346

Bibulothiana brevispinata (Summers et Schuster): Haitlinger, 1993e: 278

Type locality: 9 km N .El Cope, Panama

Distribution: Bolivia, Brazil, Colombia, Honduras, Panama

Hosts: *Stolas bifenestrata*, *S. bipustulata*, *S. coerulescens*, *S. ephippium*, *S. lineaticollis*, *S. plagiata* (Coleoptera: Chrysomelidae, Cassidinae)

Bibulothiana cyriaki Haitlinger

Bibulothiana cyriaki Haitlinger, 1993e: 280

Type locality: Parana, Iguacu

Distribution: Brazil, Mexico

Hosts: *Chelymorpha infecta*, *Ch. nigricollis*, *Ch. vermiculata* (Coleoptera: Chrysomelidae, Cassidinae)

Bibulothiana everittae Haitlinger

Bibulothiana everittae Haitlinger, 1993e: 281

Type locality: Santa Catarina (Brazil)

Distribution: Brazil, Peru

Hosts: *Chelymorpha inflata*, *Ch. rufoguttata* (Coleoptera: Chrysomelidae, Cassidinae)

Bibulothiana oswaldi Haitlinger*Bibulothiana oswaldi* Haitlinger, 1993e: 279

Type locality: Bahia

Distribution: Brazil

Host: *Stolas plagicollis* (Coleoptera: Chrysomelidae, Cassidinae)***Bibulothiana vatia*** (Summers et Schuster)*Grandiella vatia* Summers & Schuster, 1979: 333*Bibulothiana vatia* (Summers et Schuster): Haitlinger 1993e: 281

Type locality: Lago, Catemaco, Vera Cruz

Distribution: Mexico

Host: *Cyrtonota tristigma* (Coleoptera: Chrysomelidae, Cassidinae)Genus ***Bircericola*** Haitlinger*Bircericola* Haitlinger, 2000: 69Type species: *Bircericola bertrami* Haitlinger, 2000***Bircericola bertrami*** Haitlinger*Bircericola bertrami* Haitlinger, 2000: 70

Type locality: Bir Bon Ragba, nr. Hammamet

Distribution: Tunisia

Host: undetermined small Tenebrionidae (Coleoptera)

Genus ***Boetophela*** Haitlinger*Boetophela* Haitlinger, 1989: 589Type species: *Boetophela ginae* Haitlinger, 1989***Boetophela cassandrae*** Haitlinger et Chmielewski*Boetophela cassandrae* Haitlinger & Chmielewski, 2004: 196

Type locality: Durban

Distribution: South Africa

Host: undetermined Cetoniinae (Coleoptera: Scarabeidae)

Boetophela erhardi Haitlinger*Boetophela erhardi* Haitlinger, 1991d: 304

Type locality: Nyangassy

Distribution: Cameroon

Host: *Mecynorrhina* [*Chelorrhina*] *savagei* (Coleoptera: Scarabeidae, Cetoniinae)***Boetophela ephraimi*** Haitlinger*Boetophela ephraimi* Haitlinger, 1993: 12

Type locality: Ashanti

Distribution: Ghana

Host: undetermined Cetoniinae (Coleoptera: Scarabaeidae)

***Boetophela ginae* Haitlinger**

Boetophela ginae Haitlinger, 1989: 591; 1993: 10

Type locality: Natal, Transvaal [described ex errore from Sumatra, *Batocera rubus*, Cerambycidae, corrected by Haitlinger, 1993a]

Distribution: Republic of South Africa

Host: *Eudicella smithi* (Coleoptera: Scarabaeidae, Cetoniinae)

***Boetophela robertsoni* (Lavoipierre)**

Cetonicola robertsoni Lavoipierre, 1958: 616

Boetophela robertsoni: Haitlinger, 1993: 14

Type locality: Tanzania

Distribution: Tanzania

Host: *Dicronorhina oberthuri* (Coleoptera: Scarabaeidae, Cetoniinae)

***Boetophela silvanae* Haitlinger**

Boetophela silvanae Haitlinger, 1991d: 303

Type locality: Tanzania

Distribution: Tanzania

Host: *Geynodonta laeviplaga* (Coleoptera: Scarabaeidae, Cetoniinae)

***Boetophela sybillae* Haitlinger**

Boetophela sybillae Haitlinger, 1991d: 299

Type locality: "surroundings of Nyassa lake"

Distribution: Tanzania

Host: *Goliathus alborignathus* (Coleoptera: Scarabaeidae, Cetoniinae)

***Boetophela symeoni* Haitlinger**

Boetophela symeoni Haitlinger, 1991d: 300

Type locality: probably Tanzania

Distribution: probably Tanzania

Host: *Elasocheilon heterospila* (Coleoptera: Scarabaeidae, Cetoniinae)

***Boetophela weneri* Haitlinger**

Boetophela weneri Haitlinger, 1993a: 14

Type locality: Bujumbura

Distribution: Burundi

Host: *Plaesiorrhina mhondana* (Coleoptera: Scarabaeidae, Cetoniinae)

Genus ***Boleohylla*** Haitlinger*Boleohylla* Haitlinger, 1991a: 274Type species: *Boleohylla kiogana* Haitlinger, 1991***Boleohylla garrica*** Haitlinger*Boleohylla garrica* Haitlinger, 1991a: 276

Type locality: Ghana

Distribution: Ghana

Host: *Metallonotus metallicus* (Coleoptera: Tenebrionidae)***Boleohylla kiogana*** Haitlinger*Boleohylla kiogana* Haitlinger, 1991a: 274

Type locality: nr. Lake Kiega

Distribution: Uganda

Host: *Psammodes carbonarius* (Coleoptera: Tenebrionidae)Genus ***Camirohylla*** Haitlinger*Camirohylla* Haitlinger, 1991a: 273Type species: *Camirohylla feziana* Haitlinger, 1991***Camirohylla feziana*** Haitlinger*Camirohylla feziana* Haitlinger, 1991a: 274; 2001: 25

Type locality: Morocco

Distribution: Morocco, Spain (Ibiza, Formentera)

Host: *Blaps appendiculata* (Coleoptera: Tenebrionidae)***Camirohylla* sp.**

Type locality: Alashtar, Lorestan Province

Distribution: Iran

Host: *Dila* sp. (Coleoptera: Tenebrionidae)Genus ***Canestrinia*** Berlese*Canestrinia* Berlese, 1881: 747Type species: *Canestrinia dorcicola* Berlese, 1881***Canestrinia carabicola*** (Berlese)*Coleopterophagus carabicola* Berlese, 1882: 10*Canestrinia* (*Percanestrinia*) *sardica* Vitzthum, 1924: 41*Percanestrinia carabicola*: Samšinak, 1965:*Canestrinia carabicola*: Samšinak, 1971: 176

Type locality: Italy

Distribution: Italy (incl. Sardinia and Sicily), Corsica, Tunisia

Host: *Carabus (Macrothorax) morbillosus* (Coleoptera: Carabidae)

***Canestrinia damiani* Haitlinger**

Canestrinia damiani Haitlinger, 1989: 353

Type locality: Hungary

Distribution: Hungary, Ukraine, Crimea

Host: *Pentodon idiota* (Coleoptera)

***Canestrinia dorcicola* Berlese**

Canestrinia dorcicola Berlese, 1881: 748; Canestrini, 1897: 910; Canestrini & Kramer, 1899: 22; Leonardi, 1900: 15; Buitendijk, 1945: 364; Turk, 1953: 82; Cooreman, 1954: 86; Haitlinger, 1988a; 2004: 13; 2012: 186; Khaustov & Edelberg, 2001: 40; Trach, 2006: 176

Type locality: Italy

Distribution: Great Britain, Holland, Italy, Poland, Ukraine, Crimea

Hosts: *Oxythyrea funesta* (Coleoptera: Scarabaeidae, Cetoniinae), *Dorcus parallelipipedus* (Coleoptera: Lucanidae)

***Canestrinia hispanica* Samšínák**

Canestrinia hispanica Samšínák, 1971: 173

Type locality: "Hispania"

Distribution: Morocco, Portugal, Spain

Hosts: *Carabus (Rhabdotocarabus) melancholicus*, *C. (Ctenocarabus) galicianus*, *C. (Oreocarabus) guadarramus* (Coleoptera: Carabidae).

***Canestrinia illegalis* Samšínák**

Canestrinia illegalis Samšínák, 1971: 162

Type locality: Hualien (Taiwan)

Distribution: Taiwan

Hosts: *Carabus (Coptolabrus) hankotaizanus*, *C. (Coptolabrus) longipennis mandarinus* (Coleoptera: Carabidae)

***Canestrinia kacperi* Haitlinger**

Canestrinia kacperi Haitlinger, 1998: 3

Type locality: Guanzhou

Distribution: China

Host: *Carabus subformosus* (Coleoptera: Carabidae)

***Canestrinia kamelskyi* Samšínák**

Canestrinia kamelskyi Samšínák, 1970: 75

Type locality: Tunisia

Distribution: Tunisia

Host: *Blaps* sp. (Coleoptera: Tenebrionidae)

***Canestrinia macgillavryi* Oudemans**

Canestrinia macgillavryi Oudemans, 1923: 204; Cooreman, 1954: 86

Type locality: Soember Pakel Station, Dampit, Probolinggo

Distribution: Indonesia (Java) ***Canestrinia manicata* Berlese**

Canestrinia manicata Berlese, 1910: 269

Type locality: Brazil

Distribution: Brazil

Host: *Doryphora tessellata* (Coleoptera: Chrysomelidae)

***Canestrinia microdisca* Berlese**

Canestrinia microdisca Berlese, 1910: 269

Type locality: Java

Distribution: Indonesia

Host: *Dorcus saiga* (Coleoptera: Lucanidae)

***Canestrinia nepalensis* Berlese**

Canestrinia nepalensis Berlese, 1910: 269

Type locality: Java

Distribution: Indonesia

Host: *Dorcus nepalensis* (Coleoptera: Lucanidae)

***Canestrinia paavoi* Haitlinger**

Canestrinia paavoi Haitlinger, 1994a: 208

Type locality: South China, Tschekiang (= Zhejiangsheng)

Distribution: China

Host: *Carabus grandis* (Coleoptera: Carabidae)

***Canestrinia pekingensis* Samšínák**

Canestrinia pekingensis Samšínák, 1971: 164

Type locality: Pekin

Distribution: China

Hosts: *Carabus (Acathaicus) brandti*, *C. (Cychrostomus) anchocephalus* (Tibet, 3200 m), *C. (Eupachys) glyptopterus*, *C. (Coptolabrus) lafossei saturatus*, *C. augustus*, *C. augustus ignigena*, *C. pustulifer*, *C. pustulifer pratti*, *C. p. querryi*, *C. p. szechwanensis*, *C. ignimetalla angusticollis*, *C. gemmifer* (Coleoptera: Carabidae)

Canestrinia pentodontis* BerleseCanestrinia dorcicola* var. *pentodontis* Berlese, 1897:*Canestrinia pentodontis* Berlese: Vitzthum, 1925: 47

Type locality: Italy

Distribution: Italy, Sicily

Host: *Pentodon* (Coleoptera: Scarabaeidae, Dynastinae)***Canestrinia pictura* Samšinák***Canestrinia pictura* Samšinák, 1971: 171

Type locality: Mt Kurama near Kyoto

Distribution: Japan

Host: *Carabus (Damaster) blaptoides* (Coleoptera: Carabidae)***Canestrinia ramoni* Haitlinger***Canestrinia ramoni* Haitlinger, 1994a: 212

Type locality: South China, Fukien (= Fujiansheng)

Distribution: China

Host: *Carabus coelestis giganteus* (Coleoptera: Carabidae)***Canestrinia remigans* Berlese***Canestrinia remigans* Berlese, 1910: 387

Type locality: Africa

Distribution: Africa

Genus *Canestriniella* Berlese*Canestriniella* Berlese, 1910: 270Type species: *Canestriniella amplexans* Berlese, 1910***Canestriniella amplexans* Berlese***Canestriniella amplexans* Berlese, 1910: 270

Type locality: "Batavia" (Jakarta)

Distribution: Indonesia (Java)

Host: *Batocera hector* (Coleoptera: Cerambycidae)***Canestriniella batocerae* (Vishnupriya et Mohanasundaram)***Grandiella batocerae* Vishnupriya & Mohanasundaram, 1988: 253*Grandiellina batocerae* (Vishnupriya et Mohanasundaram): Fain, 1989: 67

Type locality: Tamil Nadu

Distribution: India

Host: *Batocera rufomaculata* (Coleoptera: Cerambycidae, Lamiinae)

Canestriniella elae* HaitlingerCanestriniella elae* Haitlinger, 1989: 599

Type locality: Sumatra

Distribution: Indonesia

Host: *Batocera ferruginea* (Coleoptera: Cerambycidae)***Canestriniella phoebinae* Haitlinger***Canestriniella phoebinae* Haitlinger, 1995a: 89

Type locality: Java

Distribution: Indonesia

Host: *Batocera albofasciata octomaculata* (Coleoptera: Cerambycidae)***Canestriniella physsana* Haitlinger***Canestriniella physsana* Haitlinger, 1989: 596

Type locality: Java

Distribution: Indonesia (Java, Sulawesi)

Hosts: *Batocera celebiana*, *B. humilidens* (Coleoptera: Cerambycidae)***Canestriniella togata* Berlese***Canestriniella togata* Berlese, 1910: 270

Type locality: Java

Distribution: Indonesia (Java)

Host: *Batocera lunulata* (Coleoptera: Cerambycidae)**Genus *Caraboecius* Cooreman***Caraboecius* Cooreman, 1950: 18Type species: *Caraboecius coriacei* Cooreman, 1950***Caraboecius coriacei* Cooreman***Caraboecius coriacei* Cooreman, 1950: 19

Type locality: Tangelanga

Distribution: Belgium

Host: *Carabus (Procrustes) coriaceus* (Coleoptera: Carabidae)**Genus *Cetonicola* Cooreman***Cetonicola* Cooreman, 1955: 15Type species: *Cetonicola hispidus* Cooreman, 1955***Cetonicola hispidus* Cooreman***Cetonicola hispidus* Cooreman, 1955: 16

Type locality: May-ya-Moto (Riv. Rutshuru)

Distribution: D.R. Congo

Hosts: *Dicronorhina micans*, *Smaragdesthes africana mutica*, *Eudicella gralli* var. *meckowi*
(Coleoptera: Scarabaeidae, Cetoniinae)

Cetonicola isadora Haitlinger

Cetonicola isadora Haitlinger, 1991d: 296

Type locality: Nyangassy

Distribution: Cameroon

Host: *Mecynorrhina* [*Chelorrhina*] *savagei* (Coleoptera: Scarabaeidae, Cetoniinae)

Cetonicola maritae Haitlinger

Cetonicola maritae Haitlinger, 1992d: 297

Type locality: Distr. Kassai

Distribution: Congo-Brazzaville

Host: *Stephanorrhina guttata* (Coleoptera: Scarabaeidae, Cetoniinae)

Cetonicola orestesi Haitlinger

Cetonicola orestesi Haitlinger, 1992d: 294

Type locality: Liberia

Distribution: Ghana, Liberia

Host: *Tmesorrhina iris* (Coleoptera: Scarabaeidae, Cetoniinae)

Cetonicola vatus Haitlinger

Cetonicola vatus Haitlinger, 1990 : 323

Type locality: Tanzania

Distribution: Tanzania

Host: *Poecilophila hebraea* (Coleoptera: Scarabaeidae, Cetoniinae)

Genus ***Chelinochroa*** Summers et Schuster

Chelinochroa Summers & Schuster, 1982b: 41

Type species: *Chelinochroa dictyophora* Summers et Schuster, 1982

Chelinochroa dictyophora Summers et Schuster

Chelinochroa dictyophora Summers & Schuster, 1982b: 41

Type locality: Wajir

Distribution: Kenya

Host: Coleoptera: Cerambycidae

Genus ***Cnecoderma*** Summers et Schuster

Cnecoderma Summers & Schuster, 1981b: 39

Type species: *Cnecoderma ovalis* Summers et Schuster, 1981

Cnecoderma dolichopoda Summers et Schuster*Cnecoderma dolichopoda* Summers & Schuster, 1981b: 41

Type locality: Queensland

Distribution: Australia

Host: Passalidae (Coleoptera)

Cnecoderma ovalis Summers et Schuster*Cnecoderma ovalis* Summers & Schuster, 1981b: 39

Type locality: Australia

Distribution: Australia

Host: (Coleoptera: Passalidae)

Genus ***Coleogyphus*** Berlese*Coleogyphus* Berlese, 1910: 268Type species: *Coleogyphus fuscipes* Berlese, 1910***Coleoglyphus fuscipes*** Berlese*Coleoglyphus fuscipes* Berlese, 1910: 268

Type locality: Africa

Distribution: Africa

Hosts: *Tefflus "megerlei"* (Coleoptera: Carabidae). Nymph on *Copris hamadryas* (Coleoptera: Scarabaeidae)***Coleoglyphus simplex*** Berlese*Coleoglyphus* (?) *simplex* Berlese, 1910b: 387

Type locality: Ecuador

Distribution: "Equatore" (Ecuador)

Host: *Mitrocephala humboldti* ()Genus ***Coleopterophagus*** Berlese*Coleopterophagus* Berlese, 1882: 9Type species: *Dermoglyphus megninii* Berlese, 1881***Coleopterophagus albini*** Haitlinger*Coleopterophagus albini* Haitlinger, 1990d: 328; 2002: 69; 2012: 187; 2015: 239; Trach & Khaustov, 2011: 223

Type locality: Zaborze n. Polczyn Zdroj (Poland)

Distribution: Austria, Czech Rep., Estonia, Germany, Norway, Poland, Romania, Slovakia, Ukraine

Hosts: *Protaetia* (*Cetonischema*) [*Potosia*] *aeruginosa*, *P. (Liocola) marmorata*, *P. metallica* (Coleoptera: Scarabaeidae, Cetoniinae)

Coleopterophagus baali* HaitlingerColeopterophagus baali* Haitlinger, 1990d: 330

Type locality: North Iran, Elburs Mts.

Distribution: Iran

Host: *Potosia speciosa* (Coleoptera: Scarabaeidae, Cetoniinae)***Coleopterophagus belzebubi* Haitlinger***Coleopterophagus belzebubi* Haitlinger, 1990d: 332

Type locality: Taihorim

Distribution: Taiwan

Host: *Potosia aerata* (Coleoptera: Scarabaeidae, Cetoniinae)***Coleopterophagus blattophagus* (Banks)***Canestrinia blattophaga* Banks, 1914: 61*Coleopterophagus blattophagus* (Banks): Vitzthum, 1925: 48

Type locality: Panama

Distribution: Panama

Coleopterophagus dionizyi* HaitlingerColeopterophagus dionizyi* Haitlinger, 1990d: 330

Type locality: Syria

Distribution: Syria

Host: *Potosia cuprea* (Coleoptera: Scarabaeidae, Cetoniinae)***Coleopterophagus donaldi* Haitlinger***Coleopterophagus donaldi* Haitlinger, 1990d: 332; Trach & Khaustov, 2011: 223

Type locality: Bolzano (Italy)

Distribution: Italy, Ukraine

Host: *Protaetia* (*Eupotosia*) [*Potosia*] *affinis* (Coleoptera: Scarabaeidae, Cetoniinae)***Coleopterophagus maroni* Haitlinger***Coleopterophagus maroni* Haitlinger, 1990d: 336; Trach & Khaustov, 2011: 220

Type locality: Syria

Distribution: Romania, Syria, Ukraine

Hosts: *Protaetia* (*Cetonischema*) [*Potosia*] *aeruginosa*, *P. speciosa jousseini* (Coleoptera: Scarabaeidae, Cetoniinae)***Coleopterophagus megnini* (Berlese)***Dermoglyphus megnini* Berlese, 1881: 750*Dermoglyphus megninii* Berlese: Radford, 1950: 161

Coleopterophagus megninii (Berlese): Berlese, 1882: A.M.S., fasc. I, No 9; Turk, 1953: 82; Oudemans, 1923 : 205; 1937: 2155; Buitendijk, 1945: 364; Haitlinger, 1988d: 535; 2002: 69; 2012: 186

Coleopterophagus megnini (Berlese): Trach & Khaustov, 2011: 214; Haitlinger, 2012: 186

Coleopterophagus cetoniae Oudemans, 1923; Buitendijk, 1945: 264; Cooreman, 1954: 85

Type locality: Italy

Distribution: Croatia, Czech Rep., Great Britain, Holland, Hungary, Italy, Sicily, Poland, Serbia, Turkey, Ukraine

Hosts: *Cetonia aurata*, *Protaetia* (*Potosia*) *cuprina*, *Protaetia* (*Potosia*) *fieberi*, *Protaetia* (*Potosia*) *metallica*, *Protaetia cuprea cuprea*, *P. cuprea ignicollis*, *P. cuprea obscura*, *Protaetia* (*Eupotosia*) *affinis* (Coleoptera: Scarabaeidae, Cetoniinae)

***Coleopterophagus neglectus* Berlese**

Coleopterophagus neglectus Berlese, 1920: 147

Type locality: Africa

Distribution: Africa

Host: “*Scarabeus*” *centaurus* (Coleoptera: Scarabaeidae)

***Coleopterophagus pulcher* Cooreman**

Coleopterophagus pulcher Cooreman, 1955: 23

Type locality: Rutshuru

Distribution: D.R. Congo

Host: *Porphyronota cinnamonea* (Coleoptera: Scarabaeidae, Cetoniinae)

***Coleopterophagus quadrisetosus* Trägårdh**

Coleopterophagus quadrisetosus Trägårdh, 1904: 113

Type locality: Gebelein

Distribution: Sudan

Host: Coleoptera (Scarabaeidae, Cetoniinae)

***Coleopterophagus rudolfi* Haitlinger**

Coleopterophagus rudolfi Haitlinger, 1990d: 334

Type locality: China

Distribution: China

Host: *Potosia brevitarsis* (Coleoptera: Scarabaeidae, Cetoniinae)

Genus *Cooremania* Nesbitt

Cooremania Nesbitt, 1976: 227

Type species: *Cooremania wauensis* Nesbitt, 1976

Cooremania kietaensis Haitlinger et Šundić

Cooremania kietaensis Haitlinger & Šundić, 2020: 155

Type locality: Kieta

Distribution: Papua New Guinea

Host: Coleoptera (Lucanidae indet.)

Cooremania wauensis Nesbitt

Cooremania wauensis Nesbitt, 1976: 227

Type locality: Wau, Njau

Distribution: Papua New Guinea

Host: *Eurytrachus arfakianus* (Coleoptera: Lucanidae)

Genus ***Danaithiana*** Haitlinger

Danaithiana Haitlinger, 1991b: 253

Type species: *Danaithiana chanchamayoica* Haitlinger, 1991

Danaithiana archidonaica Haitlinger

Danaithiana archidonaica Haitlinger, 1991b: 257

Type locality: Archidona (Ecuador)

Distribution: Colombia, Ecuador

Host: *Semiotus furcatus* (Coleoptera: Elateridae)

Danaithiana ayraica Haitlinger

Danaithiana ayraica Haitlinger, 1991b: 254

Type locality: Laguayra (Ecuador)

Distribution: Colombia, Ecuador

Host: *Semiotus virgatus* (Coleoptera: Elateridae)

Danaithiana chanchamayoica Haitlinger

Danaithiana chanchamayoica Haitlinger, 1991b: 254

Type locality: Chanchamayo (Peru)

Distribution: Costa Rica, Cuba, Peru

Host: *Semiotus imperialis* (Coleoptera: Elateridae)

Danaithiana ecuadorica Haitlinger

Danaithiana ecuadorica Haitlinger, 1991b: 257

Type locality: Archidona

Distribution: Ecuador

Host: *Semiotus furcatus* (Coleoptera: Elateridae)

Genus ***Dicanestrinia*** Berlese*Dicanestrinia* Berlese, 1911: 184Type species: *Dermaleichus cerambycis* G.Canestrini, 1878***Dicanestrinia cerambycis*** (G. Canestrini)*Dermaleichus cerambycis* G. Canestrini, 1878: 69*Canestrinia* (*Dicanestrinia*) *cerambicis* [sic]: Berlese, 1911: 184

Type locality: Italy

Distribution: Italy

Host: *Cerambyx cerdo* (Coleoptera: Cerambycidae)***Dicanestrinia huberti*** Haitlinger*Dicanestrinia huberti* Haitlinger, 1994: 200; 2012: 186; Khaustov & Edelberg, 2001: 40

Type locality: Bystre n. Baligród (Bieszczady Mountains – voi. Krosno)(Poland)

Distribution: Byelorussia, Poland

Host: *Carabus variolosus* (Coleoptera: Carabidae)***Dicanestrinia knobi*** Samšinák*Dicanestrinia knobi* Samšinák, 1971: 177; Haitlinger, 1988a: 535; 2012: 186; Trach, 2006: 175

Type locality: Carpathia, Užok (Ukraine)

Distribution: Czech Rep., Bosnia and Herzegovina, Italy, Poland, Ukraine

Host: *Carabus variolosus*, *C.v. nodulosus* (Coleoptera: Carabidae)Genus ***Diplognathophilus*** Cooreman*Diplognathophilus* Cooreman, 1955: 14Type species: *Diplognathophilus africanus* Cooreman, 1955 (56?)***Diplognathophilus africanus*** Cooreman*Diplognathophilus africanus* Cooreman, 1955: 14

Type locality: Ndeko (Katanda)

Distribution: D.R. Congo

Host: *Rhabdotis sobrina* (Coleoptera: Scarabaeidae, Cetoniinae)Genus ***Diplopodocoptes*** Fain*Diplopodocoptes* Fain, 1987: 167Type species: *Diplopodocoptes transkeiensis* Fain, 1987***Diplopodocoptes transkeiensis*** Fain*Diplopodocoptes transkeiensis* Fain, 1987: 168

Type locality: Transkei, District Lusikisiki, Mouth of Riv. Mzimhlava

Distribution: Kenya, South Africa

Hosts: millipede (Diplopoda: Glomeridae); paratypes from Odontopygidae (Diplopoda) from Kenya

Genus ***Donnelaphontia*** Lavoipierre

Donnelaphontia Lavoipierre, 1959: 611

Farahanella Haitlinger, 1990: 314; [Type is *suatotha*; Syn. Haitlinger 2001: 104]

Type species: *Donnelaphontia calostegis* Lavoipierre, 1959

Donnelaphontia calostegis Lavoipierre

Donnelaphontia calostegis Lavoipierre, 1959: 611

Type locality: Kumba

Distribution: Cameroon

Host: *Calostega crassicornis* (Coleoptera: Tenebrionidae)

Donnelaphontia suatotha (Haitlinger)

Farahanella suatotha: Haitlinger, 1990: 315

Donnelaphontia suatotha: Haitlinger, 2001: 104

Type locality: “Zaire”

Distribution: DR Congo

Host: *Odontopezus cupreus* (Coleoptera: Tenebrionidae)

Genus ***Dorynothiana*** Haitlinger

Dorynothiana Haitlinger, 1999: 43

Type species: *Dorynothiana jurandi* Haitlinger, 1999

Dorynothiana delmari Haitlinger

Dorynothiana delmari Haitlinger, 2008: 66

Type locality: Brazil

Distribution: Brazil

Host: *Dorynota* sp. (Coleoptera: Chrysomelidae, Cassidinae)

Dorynothiana jurandi Haitlinger

Dorynothiana jurandi Haitlinger, 1999: 44

Type locality: Santa Catarina

Distribution: Brazil

Host: *Dorynota pugionata* (Coleoptera: Chrysomelidae, Cassidinae)

Genus ***Ennodithiana*** Haitlinger

Ennodithiana Haitlinger, 1993d: 66

Type species: *Ennodithiana messalinae* Haitlinger, 1993

Ennodithiana maniusi Haitlinger*Ennodithiana maniusi* Haitlinger, 1993d: 68

Type locality: Brazil, Parana

Distribution: Brazil, Mexico

Hosts: *Omaspides basilica*, *Psalidonota contemta*, *P. dorsoplagiata* (Coleoptera: Chrysomelidae, Cassidinae)***Ennodithiana medoni*** Haitlinger*Ennodithiana medoni* Haitlinger, 1993d: 71

Type locality: Brazil

Distribution: Brazil

Host: *Acromis spinifex* (Coleoptera: Chrysomelidae, Cassidinae)***Ennodithiana megesi*** Haitlinger*Ennodithiana megesi* Haitlinger, 1993d: 71

Type locality: Goyaz

Distribution: Brazil

Host: *Crambelea illuderis* (Coleoptera: Chrysomelidae, Cassidinae)***Ennodithiana messalinae*** Haitlinger*Ennodithiana messalinae* Haitlinger, 1993d: 66

Type locality: San Carlos

Distribution: Costa Rica, Cuba

Hosts: *Psalidonota dorsopunctata*, *P. leprosa* (Coleoptera: Chrysomelidae, Cassidinae)***Ennodithiana penelopae*** Haitlinger*Ennodithiana penelopae* Haitlinger, 1993: 68

Type locality: Paramaribo (Suriname)

Distribution: Brazil, Suriname

Host: *Acromis nebulosa* (Coleoptera: Chrysomelidae, Cassidinae)***Ennodithiana platysma*** (Summers et Schuster)*Grandiella platysma* Summers & Schuster, 1979: 335*Ennodithiana platysma* (Summers & Schuster): Haitlinger, 1993d: 73

Type locality: Barro Colorado Isl.

Distribution: Panama

Host: *Coptocycla* sp. (Coleoptera: Chrysomelidae, Cassidinae)Genus ***Eunorithiana*** Haitlinger*Eunorithiana* Haitlinger, 1999: 46Type species: *Eunorithiana aidae* Haitlinger, 1999

Eunorithiana aida Haitlinger

Eunorithiana aida Haitlinger, 1999: 47; 2001: 103

Type locality: Rio Cantino

Distribution: Colombia

Host: *Plagiometriona phoebe* (Coleoptera: Chrysomelidae, Cassidinae)

Eunorithiana heliodori Haitlinger

Eunorithiana heliodori Haitlinger, 1999: 49

Type locality: Santa Cruz, Santa Catarina

Distribution: Brazil

Host: *Plagiometriona ludiera*, *P. punctipennis* (Coleoptera: Chrysomelidae, Cassidinae)

Genus ***Gasuthiana*** Haitlinger

Gasuthiana Haitlinger, 1989: 281

Type species: *Gasuthiana abapoica* Haitlinger, 1989

Gasuthiana abapoica Haitlinger

Gasuthiana abapoica Haitlinger, 1989: 282

Type locality: Brazil

Distribution: Brazil

Host: *Alurnus elysianus* (Coleoptera: Chrysomelidae, Hispinae)

Gasuthiana abufarica Haitlinger

Gasuthiana abufarica Haitlinger, 1989: 287

Type locality: Bolivia

Distribution: Bolivia

Host: *Meristomala nigripes* (Coleoptera: Chrysomelidae, Hispinae)

Gasuthiana coarica Haitlinger

Gasuthiana coarica Haitlinger, 1989: 289

Type locality: Brazil

Distribution: Brazil

Host: *Mecistomala marginatus* (Coleoptera: Chrysomelidae, Hispinae)

Gasuthiana melillae Haitlinger

Gasuthiana melillae Haitlinger, 1995a: 83

Type locality: Brazil

Distribution: Brazil

Host: Tenebrionidae indet. (Coleoptera)

Gasuthiana olareica Haitlinger

Gasuthiana olareica Haitlinger, 1989: 284

Type locality: Colombia

Distribution: Colombia, French Guiana

Hosts: *Alurnus bipunctatus*, *A. bouldardi* (Coleoptera: Chrysomelidae, Hispinae)

Genus ***Gioharattia*** Haitlinger

Gioharattia Haitlinger, 1989a: 57

Type species: *Gioharattia maharae* Haitlinger, 1989

Gioharattia caroae Haitlinger

Gioharattia caroae Haitlinger, 1989a: 59

Type locality: "South Ceylon"

Distribution: Sri Lanka

Host: *Coryphocera* sp. (Coleoptera: Scarabaeidae, Cetoniinae)

Gioharattia maharae Haitlinger

Gioharattia maharae Haitlinger, 1989a: 57

Type locality: Borneo

Distribution: Borneo (?Indonesia)

Host: *Coglodera diaro*i (Coleoptera: Scarabaeidae, Cetoniinae)

Genus ***Globosophotia*** Haitlinger

Globosophotia Haitlinger, 1991a: 279

Type species: *Globosophotia bettinae* Haitlinger, 1991

Globosophotia bettinae Haitlinger

Globosophotia bettinae Haitlinger, 1991a: 279

Type locality: Morocco

Distribution: Morocco

Host: *Pseudosteropus globosus* (Coleoptera: Carabidae, Pterostichinae)

Genus ***Grandiella*** Lombardini

Grandiella Lombardini, 1939: 45 [considered by Fain, 1989 praeocc. from Williams 1928 Hymenoptera, but being nomen nudum, *Grandiella* Lombardini has been restored by OConnor, 2004]

Grandiellina Fain, 1989: 67

Type species: *Grandiella tetracaudata* Lombardini, 1939

Grandiella cooremani Fain

Grandiella cooremani Fain, 1987: 106; OConnor, 2004: 120

Grandiellina cooremani (Fain): Fain, 1989: 67

Type locality: Ecuador

Distribution: Ecuador

Host: *Canistra osculatii* (Coleoptera: Chrysomelidae)

***Grandiella decemcaudata* Lombardini**

Grandiella decemcaudata Lombardini, 1950: 289; OConnor, 2004: 120

Grandiellina decemcaudata (Lombardini): Fain, 1989: 67

Type locality: Bolivia, Zapirangai

Distribution: Bolivia, Paraguay

Hosts: *Echoma [as Omoplata] marginata*, *Coptocyclus contemta* (Coleoptera: Chrysomelidae, Cassidinae)

***Grandiella ecuadorensis* Fain**

Grandiella ecuadorensis Fain, 1987: 101; OConnor, 2004: 120

Grandiellina ecuadorensis (Fain): Fain, 1989: 67

Type locality: Ecuador

Distribution: Ecuador

Host: *Canistra osculatii* (Coleoptera: Chrysomelidae)

***Grandiella gambosa* Summers et Schuster**

Grandiella gambosa Summers & Schuster, 1979: 343; Fain, 1987: 94

Grandiellina gambosa (Summers & Schuster): Fain, 1989: 67

Type locality: El Llano Carti Rd., 10 km N El Llano, Pina, Panama

Distribution: Belize, Colombia, Panama

Hosts: *Discomorpha batesi*, *D. lanuginosa pubescens*, *D. depilata*, *Dolichotoma conspersipennis* (Coleoptera: Chrysomelidae)

***Grandiella jolivetii* Fain**

Grandiella jolivetii Fain, 1987: 97

Grandiellina jolivetii (Fain): Fain, 1989: 67

Type locality: Vigosa, Minas Gerais

Distribution: Brazil

Host: *Elytrosphaera xanthopyga* (Coleoptera: Chrysomelidae)

***Grandiella kimseyi* Summers et Schuster**

Grandiella kimseyi Summers & Schuster, 1979a: 349; Fain, 1987: 94; OConnor, 2004: 120

Grandiellina kimseyi (Summers et Schuster): Fain, 1989: 67

Type locality: El Llano Carti Rd., Pina (Panama)

Distribution: Belize, Colombia, Panama

Hosts: *Discomorpha batesi*, *Dolichotoma conspersipennis* (Coleoptera: Chrysomelidae)

Grandiella longini (Haitlinger)

Grandiellina longini Haitlinger, 1991e: 389

Grandiella longini (Haitlinger): OConnor, 2004: 120

Type locality: Bolivia

Distribution: Bolivia

Host: *Goniochenia* (*Baranosa*) *flavosparsa* (Coleoptera: Chrysomelidae, Cassidinae)

Grandiella marinae (Haitlinger)

Grandiellina marinae Haitlinger, 1991e: 390

Grandiella marinae (Haitlinger): OConnor, 2004: 120

Type locality: Chiapas

Distribution: Mexico

Host: *Ehoma confluens* (Coleoptera: Chrysomelidae)

Grandiella minor Fain

Grandiella minor Fain, 1987: 106; OConnor, 2004: 120

Grandiellina minor (Fain): Fain, 1989: 67

Type locality: Santarem

Distribution: Brazil

Host: *Canistra dohrni* (Coleoptera: Chrysomelidae)

Grandiella octocaudata Lombardini

Grandiella octocaudata Lombardini, 1950: 288; OConnor, 2004: 120

Grandiellina octocaudata (Lombardini): Fain, 1989: 67

Type locality: Estado de Paraná, Bariqui

Distribution: Brazil

Host: *Stolas chalybaea* (Coleoptera: Chrysomelidae)

Grandiella pentagona Lombardini

Grandiella pentagona Lombardini, 1950: 286; OConnor, 2004: 120

Grandiellina pentagona (Lombardini): Fain, 1989: 67

Type locality: Distrito Federal, Cerro de Naiguatá

Distribution: Venezuela

Host: Coleoptera: Chrysomelidae, Cassidinae

Grandiella rogeri (Haitlinger)

Grandiellina rogeri Haitlinger, 1991e: 388

Grandiella rogeri (Haitlinger): OConnor, 2004: 120

Type locality: Chanchamayo

Distribution: Peru

Host: *Goniochenia* (*Baranosa*) *heroldi* (Coleoptera: Chrysomelidae, Cassidinae)

Grandiella rosascostai (Lombardini)*Coleoglyphus rosascostai* Lombardini, 1950: 279*Hatohylla rosascostai* (Lombardini): Haitlinger 1991: 311*Grandiella rosascostai* (Lombardini): OConnor, 2004: 120

Type locality: Distrito Federal Cerro del Naguayá

Distribution: Venezuela

Host: *Nyctobates* sp. (Coleoptera: Tenebrionidae)***Grandiella rugosita*** Summers et Schuster*Grandiella rugosita* Summers & Schuster, 1979: 343; OConnor, 2004: 120

Type locality: Panama

Distribution: Panama

Host: Coleoptera

Grandiellina sicula Summers et Schuster*Grandiella sicula* Summers & Schuster, 1979a: 333; OConnor, 2004: 120*Grandiellina sicula* (Summers & Schuster): Fain, 1989: 67; Haitlinger, 1991e: 392

Type locality: Depto. Del Cesar, 0.3 km N Castilla, Inez Ranch

Distribution: Colombia

Hosts: *Coptocyclus nigropunctatus*, *C. n. wagneri* (Coleoptera: Chrysomelidae, Cassidinae)***Grandiella soniae*** (Haitlinger)*Grandiellina soniae* Haitlinger, 1991e: 391*Grandiella soniae* (Haitlinger): OConnor, 2004: 120

Type locality: Rio Negro

Distribution: Colombia

Hosts: *Cyrtosoma punicea*, *C. textilis*, *Stolas coalita*, *S. coerulescens*, *S. erichsoni*, *S. placida* (Coleoptera: Chrysomelidae)***Grandiella tacjannae*** (Haitlinger)*Grandiellina tacjannae* Haitlinger, 1991e: 383*Grandiella tacjannae* (Haitlinger): OConnor, 2004: 120

Type locality: Brazil, Candido de Abreu

Distribution: Argentina, Brazil, Paraguay, Peru

Hosts: *Anacassis fuscata*, *Botanochara angulata*, *B. bonariensis*, *B. convexiuscula*, *B. duodecimverrucata*, *B. impressa*, *B. macularia*, *B. nervosa*, *B. regina*, *B. ruforeticulata*, *B. sanguinea*, *B. sedecimpustulata*, *B. tessellata*, *B. texta* (Coleoptera: Chrysomelidae, Cassidinae)***Grandiella tertia*** Lombardini*Grandiella tertia* Lombardini, 1942: 46; OConnor, 2004: 120

Grandiellina tertia (Lombardini): Fain, 1989: 67

Type locality: Brazil

Distribution: Brazil

Host: Cassids (Coleoptera: Chrysomelidae)

***Grandiella tetracaudata* Lombardini**

Grandiella tetracaudata Lombardini, 1939: 45; 1950: 283; Summers & Schuster, 1979a: 330; Fain, 1987: 94; OConnor, 2004: 120

Grandiellina tetracaudata (Lombardini): Fain, 1989: 67; Haitlinger, 1991e: 383

Type locality: Brazil

Distribution: Brazil, Colombia, Peru

Hosts: [*Botanochara sedecimpustulata*, *B. subnervosa*], *Coptocycla adamantina*, *Cyrtonota cyanea*, *C. thalassina*, *C. tigrina*, *Eumolpus fulgidus*, *Stolas chalybaea*, *S. subrugosa* (Coleoptera: Chrysomelidae). According to Haitlinger (1992e), the mites recorded on genus *Botanochara* belong actually to *Grandiellina tacjannae*.

***Grandiella tetracaudata omoplata* Fain**

Grandiella tetracaudata omoplata Fain, 1987: 94; OConnor, 2004: 120

Grandiellina tetracaudata omoplata (Fain): Fain, 1989: 67

Type locality: Cayenne, St. Jean de Maroni, Gourdonville

Distribution: French Guyana

Host: *Eichoma clypeata* (= *Omoplata marginata*) (Coleoptera: Chrysomelidae, Cassidinae)

Genus *Grandiellopsis* Fain

Grandiellopsis Fain, 1989: 68

Type species: *Grandiellopsis cyclosoma* Fain, 1989

***Grandiellopsis alani* Haitlinger**

Grandiellopsis alani Haitlinger, 1992: 52

Type locality: Archidona

Distribution: Ecuador

Host: *Canistra osculatii* (Coleoptera: Chrysomelidae)

***Grandiellopsis ariani* Haitlinger**

Grandiellopsis ariani Haitlinger, 1992: 53

Type locality: Campirias

Distribution: Brazil

Host: *Canistra carbonaria* (Coleoptera: Chrysomelidae)

***Grandiellopsis canistra* Fain**

Grandiellopsis canistra Fain, 1989: 70

Type locality: Ecuador

Distribution: Ecuador

Host: *Canistra osculatii* (Coleoptera: Chrysomelidae)

Grandiellopsis cyclosoma Fain

Grandiellopsis cyclosoma Fain, 1989: 68

Type locality: Bas Maroni

Distribution: French Guyana

Host: *Cyclosoma palliata* (Coleoptera: Chrysomelidae)

Grandiellopsis odiosi Haitlinger

Grandiellopsis odiosi Haitlinger, 1992: 56

Type locality: Brazil

Distribution: Brazil

Host: *Polychalca (P.) punctatissima* (Coleoptera: Chrysomelidae)

Grandiellopsis orsenae Haitlinger

Grandiellopsis orsenae Haitlinger, 1992: 58

Type locality: Puerto Inca

Distribution: Peru

Host: *Cyclosoma mirabilis* (Coleoptera: Chrysomelidae)

Grandiellopsis violae Haitlinger

Grandiellopsis violae Haitlinger, 1992: 55

Type locality: Bolivia

Distribution: Bolivia

Host: *Canistra cruentata* (Coleoptera: Chrysomelidae)

Genus ***Haitlingeria*** Wontae Kim et al.

Haitlingeria Kim et al., 2006: 13

Type species: *Haitlingeria longilobata* Kim et al., 2006

Haitlingeria longilobata Kim et al.

Haitlingeria longilobata Kim et al., 2006: 13

Type locality: South Korea, near the Bung-Dong Reservoir Seonbukcong Yuseongku
Daejeon

Distribution: Korea

Host: *Serrognathus platymelus* (Coleoptera: Lucanidae)

Genus ***Hargeinella*** Haitlinger

Hargeinella Haitlinger, 1989a: 53

Type species: *Hargeinella poppana* Haitlinger, 1989

Hargeinella poppana Haitlinger

Hargeinella poppana Haitlinger, 1989a: 53

Type locality: Sumatra

Distribution: Indonesia (Sumatra)

Host: *Trichogomphus milon* (Coleoptera: Scarabaeidae, Dynastinae)

Genus ***Hatohylla*** Haitlinger

Hatohylla Haitlinger, 1990a: 307 1991 ?

Type species: *Hatohylla morrata* Haitlinger, 1990

Hatohylla bahiana Haitlinger

Hatohylla bahiana Haitlinger, 1990a: 308

Type locality: Santa Catarina

Distribution: Brazil

Host: *Nyctobates maximus* (Coleoptera: Tenebrionidae)

Hatohylla bibiannae Haitlinger

Hatohylla bibiannae Haitlinger, 1990a: 311

Type locality: Santa Catarina

Distribution: Brazil

Host: undetermined Tenebrionidae (Coleoptera)

Hatohylla morrata Haitlinger

Hatohylla morrata Haitlinger, 1990a: 308

Type locality: Amazonas

Distribution: Brazil

Host: *Nyctobates gigas* (Coleoptera: Tenebrionidae)

Genus ***Hyllosihemia*** Haitlinger

Hyllosihemia Haitlinger, 1994: 93

Type species: *Hyllosihemia belerofoni* Haitlinger, 1994

Hyllosihemia belerofoni Haitlinger

Hyllosihemia belerofoni Haitlinger, 1994: 93

Type locality: Sumatra

Distribution: Indonesia (Sumatra)

Host: Coleoptera: Passalidae

Genus ***Hypopteryx*** Summers et Schuster

Hypopteryx Summers & Schuster, 1981b: 41

Type species: *Hypopteryx collaris* Summers et Schuster, 1981

Hypopteryx collaris Summers et Schuster

Hypopteryx collaris Summers & Schuster, 1981b: 42

Type locality: Australia

Distribution: Australia

Host: Coleoptera

Genus ***Ibizella*** Haitlinger et Šundić

Ibizella Haitlinger & Šundić, 1916: 75

Type species: *Ibizella balearica* Haitlinger & Šundić, 1916

Ibizella asilahica Haitlinger et Šundić

Ibizella asilahica Haitlinger et Šundić, 1918: 413

Type locality: Asilah (31 km south of Tangier)

Distribution: Morocco

Host: Coleoptera: Tenebrionidae indet.

Ibizella balearica Haitlinger et Šundić

Ibizella balearica Haitlinger & Šundić, 1916: 75

Type locality: Ibiza

Distribution: Spain (Ibiza)

Host: (Coleoptera, Tenebrionidae: *Blaps* sp.)

Ibizella samsinaki (Beron)

Canestrinia samsinaki Beron, 1975: 83; Haitlinger, 1993c: 87; 2001a: 26; Haitlinger & Šundić, 1916: 75

Ibizella samsinaki (Beron): Haitlinger & Šundić, 1916: 75

Type locality: Bulgaria, Sozopol

Distribution: Bulgaria, Cyprus, Spain (Ibiza)

Host: *Blaps* sp., *Gnaptor* sp. (Coleoptera: Tenebrionidae)

Genus ***Irmongia*** Haitlinger

Irmongia Haitlinger, 1990b: 547

Type species: *Irmongia helgae* Haitlinger, 1990

Irmongia helgae Haitlinger

Irmongia helgae Haitlinger, 1990b: 547

Type locality: Tanzania

Distribution: Tanzania

Host: undetermined Passalidae (Coleoptera)

Genus ***Jowitella*** Haitlinger*Jowitella* Haitlinger, 1990b: 547Type species: *Jowitella barbarae* Haitlinger, 1990***Jowitella barbarae*** Haitling*Jowitella barbarae* Haitlinger, 1990b: 547

Type locality: Santa Catarina

Distribution: Brazil

Host: undetermined Passalidae (Coleoptera)

Genus ***Jullongia*** Haitlinger*Jullongia* Haitlinger, 1990b: 538Type species: *Jullongia izae* Haitlinger, 1990***Jullongia izae*** Haitlinger*Jullongia izae* Haitlinger, 1990b: 539

Type locality: Stephansort

Distribution: Papua New Guinea

Host: undetermined Passalidae (Coleoptera)

Genus ***Kahoorangia*** Haitlinger*Kahoorangia* Haitlinger, 1992: 288Type species: *Kahoorangia almae* Haitlinger, 1992***Kahoorangia almae*** Haitlinger*Kahoorangia almae* Haitlinger, 1991d: 289

Type locality: ? South Africa

Distribution: ? South Africa

Host: *Pachnoda carmelita* (Coleoptera: Scarabaeidae, Cetoniinae)Genus ***Lidiophela*** Haitlinger*Lidiophela* Haitlinger, 1990b: 540Type species: *Lidiophela pelagiae* Haitlinger, 1990***Lidiophela aruica*** Haitlinger*Lidiophela aruica* Haitlinger, 1990b: 542

Type locality: Aru Is.

Distribution: Indonesia (Aru Is.)

Host: *Labienus ptox* (Coleoptera: Passalidae)***Lidiophela bognae*** Haitlinger*Lidiophela bognae* Haitlinger, 1990b: 543

Type locality: Moluccas, Batjan Is.
Distribution: Indonesia (Moluccas, Batjan Is.)
Host: undetermined Passalidae (Coleoptera)

***Lidiophela celinae* Haitlinger**

Lidiophela celinae Haitlinger, 1990b: 541
Type locality: Moluccas, Ambon Is.
Distribution: Indonesia, Moluccas (Ambon Is.)
Host: undetermined Passalidae (Coleoptera)

***Lidiophela igae* Haitlinger**

Lidiophela igae Haitlinger, 1990b: 542
Type locality: Moluccas, Batjan Is.
Distribution: Indonesia (Batjan Is.)
Host: *Labienus gigas* (Coleoptera: Passalidae)

***Lidiophela pauliana* Haitlinger**

Lidiophela pauliana Haitlinger, 1991a: 276
Type locality: Australia
Distribution: Australia
Host: *Amarygmus striatus* (Coleoptera: Tenebrionidae)

***Lidiophela pecki* (Nesbitt)**

Coleopterophagus pecki Nesbitt, 1976: 220
Lidiophela pecki: Haitlinger, 1990b: 540
Type locality: Baiyer River Sanctuary, Mt.Hagen, Papua New Guinea
Distribution: Papua New Guinea, Solomon Islands (Gizo Is.),
Hosts: *Labienus* sp., *Obiensus* sp., *Protomocoelus australis* (Coleoptera: Passalidae)

***Lidiophela pelagiae* Haitlinger**

Lidiophela pelagiae Haitlinger, 1990b: 540
Type locality: Moluccas, Batjan Is.
Distribution: Indonesia, Moluccas (Batjan Is.)
Host: *Labienus gigas* (Coleoptera: Passalidae)

Genus ***Megacanestrinia* Trägårdh**

Megacanestrinia Trägårdh, 1906: 877
Type species: *Megacanestrinia mucronata* Trägårdh, 1906

***Megacanestrinia beloniana* Haitlinger**

Megacanestrinia beloniana Haitlinger, 1990e: 312
Type locality: Tanzania

Distribution: Tanzania

Host: *Tefflus purpuripennis* (Coleoptera: Carabidae)

Megacanestrinia mucronata Trägårdh

Megacanestrinia mucronata Trägårdh, 1906: 877

Type locality: Umfolozi, Zululand

Distribution: South Africa

Host: «Auf einen grossen Carabide» (Coleoptera: Carabidae)

Subfam. **Melisiinae** Summers et Schuster

Melisiinae Summers & Schuster, 1982a: 23

Type genus : *Melisia* Lombardini, 1944

Genus ***Melisia*** Lombardini

Melisia Lombardini, 1944: 2

Type species: *Melisia melisii* Lombardini, 1944

Melisia anomala Samšinák

Melisia anomala Samšinák, 1963: 257

Type locality: Mts Singalang

Distribution: Indonesia (Sumatra)

Hosts: *Epiphanus indicus*, *E. stoliczkae* (Coleoptera: Passalidae)

Melisia ariadnae Haitlinger

Melisia ariadnae Haitlinger, 1989: 529

Type locality: Soekaranda (Sumatra); Borneo

Distribution: Indonesia (Sumatra, Borneo)

Host: *Aceraius laevicollis* (Passalidae, Coleoptera)

Melisia baloghi Samšinák

Melisia baloghi Samšinák, 1969: 407

Type locality: Cuc-phuong Bong

Distribution: Vietnam

Host: Coleoptera indet.

Melisia gabrielae Haitlinger

Melisia gabrielae Haitlinger, 1990: 531

Type locality: Soekaranda, Sumatra

Distribution: Indonesia (Sumatra)

Host: *Aceraius laevicollis* (Coleoptera: Passalidae)

Melisia helenae Haitlinger*Melisia helenae* Haitlinger, 1990b: 533

Type locality: North Vietnam

Distribution: Vietnam

Host: undetermined Passalidae (Coleoptera)

Melisia hieronimae Haitlinger*Melisia hieronimae* Haitlinger, 1990b: 535

Type locality: holotype from North Vietnam; paratypes from Thailand and Sumatra

Distribution: Indonesia (Sumatra), Thailand, Vietnam

Host: undetermined Passalidae (Coleoptera)

Melisia ingeborgae Haitlinger*Melisia ingeborgae* Haitlinger, 1990b: 535

Type locality: Soekaranda, Sumatra

Distribution: Indonesia (Sumatra)

Host: undetermined Passalidae (Coleoptera)

Melisia irenae Haitlinger*Melisia irenae* Haitlinger, 1990b: 531

Type locality: Sinabong, Sumatra

Distribution: Indonesia (Sumatra)

Host: *Aceraius grandis* (Coleoptera: Passalidae)***Melisia jadvigae*** Haitlinger*Melisia jadvigae* Haitlinger, 1990b: 532

Type locality: North Vietnam

Distribution: Vietnam

Host: undetermined Passalidae (Coleoptera)

Melisia klapaleki Samšínák*Melisia klapaleki* Samšínák, 1963: 260

Type locality: India mer.: Coimbatore

Distribution: India

Host: *Epiphenus stoliczkae* (Coleoptera: Passalidae)***Melisia leptinotarsa*** Summers et Schuster*Melisia leptinotarsa* Summers & Schuster, 1982a: 25

Type locality: Paluma, Stop 388, Queensland

Distribution: Australia

Host: Coleoptera Passalidae (gen. sp. Indet.)

Melisia lombardinii Samšínák*Melisia lombardinii* Samšínák, 1963: 255

Type locality: Mts Singalang

Distribution: Indonesia (Sumatra)

Host: *Pelopides mniszecki* (Coleoptera: Passalidae)***Melisia mahunkai*** Samšínák*Melisia mahunkai* Samšínák, 1969: 409

Type locality: Cuc-phuong, Bong

Distribution: Vietnam

Host: Coleoptera indet.

Melisia mariettae Haitlinger*Melisia mariettae* Haitlinger, 1990b: 528

Type locality: Sinabong, Sumatra

Distribution: Indonesia (Sumatra)

Host: *Aceraius grandis* (Coleoptera: Passalidae)***Melisia melaniae*** Haitlinger*Melisia melaniae* Haitlinger, 1990b: 532

Type locality: Sumatra

Distribution: Indonesia (Sumatra)

Host: *Aceraius mayeri* (Coleoptera: Passalidae)***Melisia melisii*** Lombardini*Melisia melisii* Lombardini, 1944: 2; Samšínák, 1963: 253

Type locality: America

Distribution: America

Host: *Passalus* sp. (Coleoptera: Passalidae)***Melisia occidii*** Samšínák*Melisia occidii* Samšínák, 1969: 410; Haitlinger, 1990b: 532

Type locality: Cuc-phuong, Bong

Distribution: Vietnam

Host: Coleoptera indet.

Melisia rutae Haitlinger*Melisia rutae* Haitlinger, 1990b: 533

Type locality: North Vietnam

Distribution: Vietnam

Host: undetermined Passalidae (Coleoptera)

Melisia salomeae Haitlinger

Melisia salomeae Haitlinger, 1990b: 529

Type locality: Sinabong, Sumatra

Distribution: Indonesia (Sumatra)

Host: *Aceraius grandis* (Coleoptera: Passalidae)

Melisia samsinaki Vomero

Melisia samsinaki Vomero, 1972: 95

Type locality: Kon Techore

Distribution: Cambodia

Host: *Aceraius helferi* (Coleoptera: Passalidae)

Melisia sentosa Summers et Schuster

Melisia sentosa Summers & Schuster, 1982a: 27

Type locality: Ta Rau, Hainan

Distribution: China (Hainan Isl.)

Host: Passalidae gen. sp. indet. (Coleoptera)

Melisia superba Summers et Schuster

Melisia superba Summers & Schuster, 1982a: 27

Type locality: Musha, Taiwan

Distribution: Taiwan

Host: *Aceraius grandis hirsutus* (Coleoptera: Passalidae)

Genus ***Mesophotia*** Samšínák

Mesophotia Samšínák, 1971: 209

Type species: *Mesophotia penicillata* Samšínák, 1971

Mesophotia penicillata penicillata Samšínák

Mesophotia penicillata penicillata Samšínák, 1971: 209

Type locality: Sevilla

Distribution: Spain

Host: *Carabus (Rhabdotocarabus) melancholicus*, *C.m. costatus* (Coleoptera: Carabidae)

Mesophotia penicillata similis Samšínák

Mesophotia penicillata similis Samšínák, 1971: 214

Type locality: Andalusia

Distribution: Spain

Host: *Carabus (Rhabdotocarabus) melancholicus costatus* (Coleoptera: Carabidae)

Mesophotia penicillata tertia* SamšínákMesophotia penicillata tertia* Samšínák, 1971: 214

Type locality: Sevilla

Distribution: Morocco, Spain

Host: *Carabus (Rhabdotocarabus) melancholicus* (Coleoptera: Carabidae)**Genus *Metriothiana* Haitlinger***Metriothiana* Haitlinger, 1999: 40Type species: *Metriothiana bolebori* Haitlinger, 1999***Metriothiana bolebori* Haitlinger***Metriothiana bolebori* Haitlinger, 1999: 40

Type locality: Tegusigalpa

Distribution: Honduras

Host: *Metrionella bilimeki* (Coleoptera: Chrysomelidae, Cassidinae)**Genus *Mossongia* Haitlinger***Mossongia* Haitlinger, 1989a: 49Type species: *Mossongia ssavina* Haitlinger, 1989***Mossongia bissaina* Haitlinger***Mossongia bissaina* Haitlinger, 1989a: 52

Type locality: Bougainville, Kieta

Distribution: Papua New Guinea

Host: *Scapanus solomonensis* (Coleoptera: Scarabaeidae, Dynastinae)***Mossongia ssavina* Haitlinger***Mossongia ssavina* Haitlinger, 1989a: 50

Type locality: New Guinea

Distribution: New Guinea

Host: *Scapanus australis* (Coleoptera: Scarabaeidae, Dynastinae)**Genus *Neophotia* Samšínák***Neophotia* Samšínák, 1971: 201Type species: *Neophotia drvotocka* Samšínák, 1971***Neophotia drvotocka* Samšínák***Neophotia drvotocka* Samšínák, 1971: 202

Type locality: San Ildefonso

Distribution: Portugal, Spain

Hosts: *Carabus (Iniopachus) pyrenaicus*, *C. (Oreocarabus) amplipennis*, *C. (Oreocarabus) guadarramus* (Coleoptera: Carabidae)

Neophotia jureceki Samšínák*Neophotia jureceki* Samšínák, 1971: 204

Type locality: Pyrenees, Pic du Midi

Distribution: France

Host: *Carabus (Iniopachus) pyrenaeus* (Coleoptera: Carabidae)***Neophotia latissima*** Samšínák*Neophotia latissima* Samšínák, 1971: 206

Type locality: Guadarrama, Ceredilla

Distribution: Spain

Host: *Carabus (Mesocarabus) lusitanicus* (Coleoptera: Carabidae)Genus ***Noemiphela*** Haitlinger*Noemiphela* Haitlinger, 1992b: 536Type species: *Noemiphela izabelae* Haitlinger, 1992***Noemiphela barryi*** Haitlinger*Noemiphela barryi* Haitlinger, 1992b: 538

Type locality: Sumatra

Distribution: Indonesia

Host: *Eurytrachelus purpureus* (Coleoptera: Lucanidae)***Noemiphela izabelae*** Haitlinger*Noemiphela izabelae* Haitlinger, 1992b: 537

Type locality: Celebes (Sulawesi)

Distribution: Indonesia

Host: *Cladognathus giraffa* (Coleoptera: Lucanidae)Genus ***Oceogavia*** Haitlinger*Oceogavia* Haitlinger, 1989: 586Type species: *Oceogavia ubaldi* Haitlinger, 1989***Oceogavia ubaldi*** Haitlinger*Oceogavia ubaldi* Haitlinger, 1989: 586

Type locality: unknown

Distribution: unknown

Host: *Papuana woodlarkiana* (Coleoptera: Scarabaeidae, Dynastinae)Genus ***Olafithiana*** Haitlinger*Olafithiana* Haitlinger, 1993e: 274Type species: *Olafithiana adelinae* Haitlinger, 1993

Olafithiana adelinae Haitlinger*Olafithiana adelinae* Haitlinger, 1993e: 274

Type locality: Parana

Distribution: Brazil

Host: [*Stolas*] *Anacassis cribrum* (Coleoptera: Chrysomelidae, Cassidinae)***Olafithiana foliacea*** (Fain)*Grandiella foliacea* Fain, 1987: 101*Grandiellina foliacea* (Fain): Fain, 1989: 67*Olafithiana foliacea* (Fain): Haitlinger 1993e: 277

Type locality: Brazil, Nova Teutonia

Distribution: Argentina, Brazil, Panama

Hosts: *Stolas areolata*, *S. chalybea*, *S. conspersa*, *S. complexa*, *S. festiva*, *S. impluviata*, *S. lacunose*, *S. lenis*, *S. nudicollis*, *S. oblita*, *S. paranensis*, *S. subreticulata* (Coleoptera: Chrysomelidae, Cassidinae)***Olafithiana iwettae*** Haitlinger*Olafithiana iwettae* Haitlinger, 1994b: 83

Type locality: Costa Rica

Distribution: Costa Rica, Venezuela

Host: *Charidotella* (= *Metriona*) *testudinacea* (Coleoptera: Chrysomelidae, Cassidinae)***Olafithiana joliveti*** (Fain)*Grandiella joliveti* Fain, 1987: 97*Olafithiana joliveti* (Fain): Haitlinger 1993e: 278

Type locality: Viçosa, Minas Gerais

Distribution: Brazil

Host: *Elytrosphaera xanthopyga* (Coleoptera: Chrysomelidae)***Olafithiana multifida*** (Fain)*Grandiella multifida* Fain, 1987: 101*Olafithiana multifida* (Fain): Haitlinger, 1993e: 276

Type locality: Brazil

Distribution: Argentina, Bolivia, Brazil, Ecuador

Hosts: *Stolas antiqua*, *S. aurosetosa*, *S. cruentata* (Coleoptera: Chrysomelidae, Cassidinae)**Genus *Olgattia*** Haitlinger*Olgattia* Haitlinger, 1990b: 538Type species: *Olgattia useguaica* Haitlinger, 1990

Olgattia useguaica Haitlinger

Olgattia useguaica Haitlinger, 1990b: 538

Type locality: Usegua

Distribution: Tanzania

Host: *Eumelasomus sansibaricus* (Coleoptera: Passalidae)

Genus ***Ovarrothiana*** Haitlinger

Ovarrothiana Haitlinger, 1993d: 60

Type species: *Ovarrothiana nikodemi* Haitlinger, 1993

Ovarrothiana echinoderma (Summers et Schuster)

Grandiella echinoderma Summers & Schuster, 1979: 346; Fain, 1987: 94

Grandiellina echinoderma (Summers & Schuster): Fain, 1989: 67

Ovarrothiana echinoderma (Summers & Schuster): Haitlinger, 1993d: 65

Type locality: Cerro Compana, Panama

Distribution: Colombia, Panama

Host: *Eugenysa colombiana* (Coleoptera: Chrysomelidae, Cassidinae)

Ovarrothiana erazmi Haitlinger

Ovarrothiana erazmi Haitlinger, 1993d: 61

Type locality: Cayenne

Distribution: French Guyana

Host: *Eugenysa venosa* (Coleoptera: Chrysomelidae, Cassidinae)

Ovarrothiana leopoldi Haitlinger

Ovarrothiana leopoldi Haitlinger, 1993d: 65

Type locality: Yungaz de La Paz

Distribution: Bolivia

Host: *Miocalaspis gentilis* (Coleoptera: Chrysomelidae, Cassidinae)

Ovarrothiana ludomiri Haitlinger

Ovarrothiana ludomiri Haitlinger, 1993d: 64

Type locality: Weise

Distribution: Bolivia

Host: *Cyclosoma tristis* (Coleoptera: Chrysomelidae, Cassidinae)

Ovarrothiana nikodemi Haitlinger

Ovarrothiana nikodemi Haitlinger, 1993d: 60

Type locality: Peru

Distribution: Brazil, Peru

Host: *Eugenysa divalis* (Coleoptera: Chrysomelidae, Cassidinae)

***Ovarrothiana ozannae* Haitlinger**

Ovarrothiana ozannae Haitlinger, 1993d: 63

Type locality: Peru, Chanchamayo

Distribution: Brazil, Ecuador, Peru

Hosts: *Agenyssa caedemadens*, *A. crassicornis*, *Eugenysa andicola* (Coleoptera: Chrysomelidae, Cassidinae)

Genus *Paracanestrinia* Haitlinger

Paracanestrinia Haitlinger, 2017: 658

Type species: *Paracanestrinia denmarkica* Haitlinger, 2017

***Paracanestrinia denmarkica* Haitlinger**

Paracanestrinia denmarkica Haitlinger, 2017: 659

Type locality: 11 km north of Hvidbjerg

Distribution: Denmark

Host: *Carabus* sp. (Coleoptera: Carabidae)

Genus *Paramansia* Cooreman

Paramansia Cooreman, 1950: 13

Type species: *Paramansia menthastri* Cooreman, 1950

***Paramansia bicornis* Khaustov et Eidelberg**

Paramansia bicornis Khaustov & Eidelberg, 2001: 43; Trach & Khaustov, 2007: 268

Type locality: Crimea, Yalta

Distribution: Crimea, Ukraine

Hosts: *Chrysolina menthastri*, *Ch. polita*, *Ch. fastuosa* (Coleoptera: Chrysomelidae)

***Paramansia giardi* (Trouessart)**

Canestrinia giardi Trouessart, in Berlese, 1887:

Paramansia giardi (Trouessart): Cooreman, 1950: 18

Type locality: ? Brazil

Distribution: ? Brazil

Host: ? *Megistomela reticulata* (Coleoptera: Chrysomelidae)

***Paramansia menthastri* Cooreman**

Paramansia menthastri Cooreman, 1950: 14

Type locality: Bray-sous-Fay nr. Richelieu, Indre et Loire, France

Distribution: France

Host: *Chrysolina menthastri* (Coleoptera: Chrysomelidae)

Genus *Paramelisia* Summers et Schuster

Paramelisia Summers & Schuster, 1982a: 29

Type species: *Paramelisia lacuna* Summers & Schuster, 1982

Paramelisia lacuna Summers et Schuster

Paramelisia lacuna Summers & Schuster, 1982a: 29

Type locality: Anomal Hills, Cinchona, S. India

Distribution: India

Host: *Pleurarius brachyphyllus* (Coleoptera: Passalidae)

Genus ***Paraphagella*** Cooreman

Paraphagella Cooreman, 1955: 28

Type species: *Paraphagella princeps* Cooreman, 1955

Paraphagella eudicellae Cooreman

Paraphagella eudicellae Cooreman, 1955: 33

Type locality: Kibga, Sud Visoke, 2400 m; Rutshuru

Distribution: D.R. Congo

Hosts: *Eudicella smithi* var. *bertherandi*, *E. gralli* var. *meckowi* (Coleoptera: Chrysomelidae)

Paraphagella indirae Haitlinger

Paraphagella indirae Haitlinger, 1991d: 291

Type locality: Nyangassy

Distribution: Cameroon

Host: *Mecynorrhina* [*Chelarrhina* – recte *Chelorrhina*] *savagei* (Coleoptera)

Paraphagella ingridae Haitlinger

Paraphagella ingridae Haitlinger, 1991d: 290

Type locality: Liberia

Distribution: Liberia

Host: *Tmesorrhina iris* (Coleoptera: Scarabaeidae, Cetoniinae)

Paraphagella minor Cooreman

Paraphagella minor Cooreman, 1955: 36

Type locality: Kibga, Sud Visoke, 2400 m

Distribution: D.R. Congo

Host: *Eudicella smithi* var. *bertherandi* (Coleoptera: Chrysomelidae)

Paraphagella odae Haitlinger

Paraphagella odae Haitlinger, 1991d: 292

Type locality: Distr. Kassai

Distribution: Congo (Brazzaville)

Host: *Stephanorrhina guttata* (Coleoptera: Scarabaeidae, Cetoniinae)

Paraphagella princeps* CooremanParaphagella princeps* Cooreman, 1955: 29

Type locality: May-ya-Moto, riv. Rutshuru

Distribution: D.R. Congo

Hosts: *Dicronorhina micans*, *Smaragdesthes africana mutica* (Coleoptera: Chrysomelidae)Genus ***Paraphotia*** Khaustov et Eidelberg*Paraphotia* Khaustov & Eidelberg, 2001: 37Type species: *Paraphotia calosomae* Khaustov et Eidelberg, 2001***Paraphotia calosomae*** Khaustov et Eidelberg*Paraphotia calosomae* Khaustov & Eidelberg, 2001: 39; Trach, 2006: 175

Type locality: Crimea, Opuk Mount.

Distribution: Crimea

Host: *Calosoma auro-punctatum* (Coleoptera: Carabidae)Genus ***Passalophagus*** Nesbitt*Passalophagus* Nesbitt, 1976: 230Type species: *Passalophagus georgei* Nesbitt, 1976***Passalophagus georgei*** Nesbitt*Passalophagus georgei* Nesbitt, 1976: 231

Type locality: Baiyer River Bird of Paradise Sanctuary, Mt. Hagen Area

Distribution: Papua New Guinea

Host: *Labienus* sp. (Coleoptera: Passalidae)Genus ***Percanestrinia*** Berlese*Canestrinia* (*Percanestrinia*) Berlese, 1911: 184*Percanestrinia* Berlese: Samšinák, 1965 (syn. with *Canestrinia*); Haitlinger, 1992a: 535
(restored as genus)Type species: *Alloptes blaptis* Canestrini et Berlese, 1880***Percanestrinia blaptis*** (Canestrini et Berlese)*Alloptes blaptis* Canestrini & Berlese, 1880: 148*Percanestrinia blaptis*: Berlese, 1911: 184; Turk, 1953: 82; Rack, 1968: 265; Haitlinger, 1992a: 541; 2012: 187; Trach, 2006: 176*Canestrinia blaptis*: Berlese, 1884: A.M.S., fasc. XXIX, No1; Haitlinger, 1992a: 541*Coleopterophagus blaptis* (Canestrini et Berlese): Oudemans, 1923: 187*Percanestrinia* (*Percanestrinia*) *blaptis*: Cooreman, 1954: 85*Canestrinia blaptis rackae* Samšinák, 1970: 72 (syn. by Haitlinger, 1992a)

Type locality: ? „Italia septentrionalis“

Distribution: Bulgaria, Georgia, Germany, Great Britain, Hungary, Italy (incl. Sardinia), Poland, Ukraine

Hosts: *Blaps gibbosa*, *B. lethifera*, *B. occulta*, *B. punctata* (Coleoptera: Tenebrionidae), *Sphodrus leucophthalmus* (Coleoptera: Carabidae)

Percanestrinia egypti El Bishlawi et Allam

Percanestrinia egypti El Bishlawi & Allam, 2003: 267

Type locality: Egypt

Distribution: Egypt

Percanestrinia izabelae Haitlinger

Percanestrinia izabelae Haitlinger, 1992a: 536

Type locality: Cyprus

Distribution: Cyprus

Host: *Blaps gibbosa* (Coleoptera: Tenebrionidae)

Percanestrinia maroccana Cooreman

Percanestrinia maroccana Cooreman, 1953: 6; Haitlinger, 1992a: 540

Type locality: Morocco

Distribution: Corsica (France), Italy, Morocco

Hosts: *Blaps mucronata*, *B. pinguis*, *B. producta* (Coleoptera: Tenebrionidae)

Percanestrinia norodomi Haitlinger

Percanestrinia norodomi Haitlinger, 1992a: 538

Type locality: Tashkent

Distribution: Uzbekistan

Host: *Blaps hejconota cortosa* (Coleoptera: Tenebrionidae)

Percanestrinia sellnicki Samšínák

Percanestrinia sellnicki Samšínák, 1965: 145; Beron, 1971: 205; Haitlinger, 1988d, 2012:

188; *Canestrinia sellnicki*: Samsinák, 1971: 155; Haitlinger, 1989; Trach, 2006: 176

Type locality: "Hungaria (Com. Bihar)" (now in Romania)

Distribution: Czech Rep., Hungary, former Yugoslavia, Moldova, Poland, Romania, Slovakia, Ukraine

Hosts: *Carabus (Procrustes) coriaceus rugifer*, *C. c. coriaceus*, *C. coriaceus pseudorugifer*, *C. coriaceus banaticus*, *C. coriaceus subrugosus*, *C. coriaceus gressorius*, *C. coriaceus imminutus*, *C. violaceus* (Coleoptera: Carabidae)

Percanestrinia viviannae Haitlinger

Percanestrinia viviannae Haitlinger, 1992a: 540

Type locality: China

Distribution: China

Host: Tenebrionidae (Coleoptera)

Genus **Percanestriniella** Khaustov et Eidelberg

Percanestriniella Khaustov & Eidelberg, 2001: 34

Type species: *Percanestriniella caucasica* Khaustov et Eidelberg, 2001

Percanestriniella caucasica Khaustov et Eidelberg

Percanestriniella caucasica Khaustov & Eidelberg, 2001: 34

Type locality: Caucasus, Mzymsha river bank near Kardyvach

Distribution: Russia (Caucasus)

Host: *Carabus* sp. (Coleoptera: Carabidae)

Percanestriniella levis (Samšinák)

Canestrinia levis Samšinák, 1971: 166

Percanestriniella levis: Khaustov & Eidelberg, 2001: 36

Type locality: 'Turkestan' (Sussamyr – GB, Ketmen-Tjube), Buchara

Distribution: Kirghizstan, Uzbekistan

Hosts: *Carabus* (*Pantophyrtus*) *turcomannorum*, *C.* (*P.*) *tanypedilus*, *C.* (*Cratocephalus*) *balassogloi*, *C.* (*C.*) *cicatricosus*, *C.* (*Ulocarabus*) *sturowskyi*, *C.* (*Cratocechenus*) *akinini* (Coleoptera: Carabidae)

Percanestriniella vlachiana (Samšinák)

Canestrinia vlachiana Samšinák, 1971: 169

Percanestriniella vlachiana Khaustov & Eidelberg, 2001: 34

Type locality: Jalloori, Kulu (Kashmir)

Distribution: India (Kashmir)

Hosts: *Carabus* (*Imaibius*) *boysi*, *C.* (*I.*) *stoliczkanus* (Coleoptera: Carabidae)

Genus **Peruthiana** Haitlinger

Peruthiana Haitlinger, 2008: 69

Type species: *Peruthiana briannae* Haitlinger, 2008

Peruthiana briannae Haitlinger

Peruthiana briannae Haitlinger, 2008: 69

Type locality: Peru

Distribution: Peru

Host: undetermined Hispinae (Coleoptera: Chrysomelidae)

Genus **Phaleratus** Nesbitt

Phaleratus Nesbitt, 1976: 233

Type species: *Phaleratus fentoni* Nesbitt, 1976

Phaleratus alatus Summers et Schuster

Phaleratus alatus Summers & Schuster, 1982a: 29

Type locality: Anomali Hills, Madras

Distribution: India

Host: *Pleurarius brachyphyllus* (Coleoptera: Passalidae)

Phaleratus fentoni Nesbitt

Phaleratus fentoni Nesbitt, 1976: 233

Type locality: Baiyer River Bird of Paradise Sanctuary, Mt. Hagen Area

Distribution: Papua New Guinea

Host: Coleoptera

Genus ***Phelliculophela*** Haitlinger

Phelliculophela Haitlinger, 1993a: 9

Type species: *Phelliculophela roaldi* Haitlinger, 1993

Phelliculophela roaldi Haitlinger

Phelliculophela roaldi Haitlinger, 1993a: 9

Type locality: Cameroon

Distribution: Cameroon

Host: *Goliathus goliathus* (Coleoptera : Scarabaeidae, Cetoniinae)

Genus ***Photia*** Oudemans

Photia Oudemans, 1904: 192

Type species: *Canestrinia procustidis* Berlese, 1881

Eucanestrinia Berlese, 1911: 184

Type species: “*Canestrinia procrusti*”

Photia adolfinae Haitlinger

Photia adolfinae Haitlinger, 1988 (sub “*polymorpha*”; 1994a: 202)

Photia adolphinae Haitlinger: Khaustov & Edelberg, 2001: 30; Trach, 2006: 175

Type locality: Narewka, voi. Bialystok, and many other localities in Poland

Distribution: Byelorussia, Poland, Crimea

Hosts: *Carabus* (*C.*) *glabratus*, *C. gyllenhali* (Coleoptera: Carabidae)

Photia bardoica Haitlinger

Photia bardoica Haitlinger, 1988: 321; 1995b: 261; 2012: 189

Type locality: Poland

Distribution: Austria, Poland

Host: *Carabus nemoralis* (Coleoptera: Carabidae)

***Photia bilkorum* Samšinák**

Photia bilkorum Samšinák, 1971: 199; Haitlinger, 2012: 190

Type locality: Abhasia

Distribution: Abhasia, Russia

Hosts: *Carabus (Tribax) protensis*, *C. (T.) komarovi*, *C. (T.) shamyli*, *C. (T.) plasoni*
(Coleoptera: Carabidae)

***Photia chrysocarabi* Cooreman**

Photia chrysocarabi Cooreman, 1950: 34; Samšinák, 1971: 193; Haitlinger, 1988d; 1995b: 262; 2012: 188; Trach, 2006: 176

Type locality: Arlon (Belgium)

Distribution: Austria, Belgium, Czech Rep., England, France, Germany, Poland, Slovakia, Ukraine

Hosts: *Carabus auratus*, *C. irregularis*, *C. nemoralis*, *C. scheidleri*, *Chrysocarabus auronitens*
(Coleoptera: Carabidae)

***Photia graeca* Cooreman**

Photia graeca Cooreman, 1958: 1; Samšinák, 1965: 143; 1971: 189

Type locality: Philothée nr. Athens

Distribution: Belgium, England, France, Greece (incl. Rhodos), Holland, Turkey

Hosts: *Carabus c. coriaceus*, *C. coriaceus foudrasi*, *C. c. kindermanni*, *C. c. impudicus*, *C. violaceus purpurascens* (Coleoptera: Carabidae)

***Photia hejniana* Samšinák**

Photia hejniana Samšinák, 1971: 193; Haitlinger, 1988d; 1995b: 261; 2012: 189; Trach, 2006: 176

Type locality: Sobotka

Distribution: Austria, Croatia, Czech Rep., Moldova, Poland, Slovakia, Slovenia, Ukraine

Hosts: *Carabus alpestris hoppei*, *C. coriaceus*, *C. croaticus*, *C. violaceus*, *C. v. exasperates*, *C. v. fioris*, *C. v. obliquus*, *C. v. savinicus*, *C. v. styriensis* (Coleoptera: Carabidae)

***Photia hermengildae* Haitlinger**

Photia hermengildae Haitlinger, 1988: 319; 2012: 189

Type locality: Huta Szklana, Gory Swietokrzyskie, Voivodeship Kielce

Distribution: Poland, Ukraine

Host: *Carabus linnaei* (Coleoptera: Carabidae)

***Photia howdeni* Nesbitt**

Photia howdeni Nesbitt, 1976: 223

Type locality: Baiyer River Bird of Paradise Sanctuary, Mt. Hagen Area

Distribution: Papua New Guinea

Host: Coleoptera

Photia javensis (Oudemans)*Canestrinia javensis* Oudemans, 1923b: 203*Photia javensis* (Oudemans)

Type locality: Java, Soember Pakel, Probolingo

Distribution: Indonesia (Java)

Host: Coleoptera

Photia lopatini Khaustov et Eidelberg*Photia lopatini* Khaustov & Eidelberg, 2001: 26

Type locality: Sakhalin Is., Krasnoselskaya river bank

Distribution: Russia (Sakhalin)

Host: *Carabus* (*Acoprolabrus*) *lopatini* (Coleoptera: Carabidae)***Photia lusitanica*** Samšinak*Photia lusitanica* Samšinak, 1971: 189

Type locality: Sierra de Queija, Prov. Orense, Spain

Distribution: Portugal, Spain

Hosts: *Carabus* (*Oreocarabus*) *amplipennis*, *Carabus* (*Mesocarabus*) *lusitanicus breuningi*,*C. (M.) lusitanicus helluo*, *C. (M.) lusitanicus castilianus*, *C. (M.) lusitanicus logronicus*,*C. (M.) lusitanicus schaumii* (Coleoptera: Carabidae)***Photia melchiori*** Haitlinger*Photia melchiori* Haitlinger, 1998: 2; 2012: 191

Type locality: China

Distribution: China

Host: *Carabus* sp. (Coleoptera: Carabidae)***Photia pacifica*** Khaustov et Eidelberg*Photia pacifica* Khaustov & Eidelberg, 2001: 28

Type locality: Kuril Is. (Kunashir Is., Golovnin volcano)

Distribution: Russia (Kuril Is.)

Host: *Carabus* (*Megodontus*) *kolbei* (Coleoptera: Carabidae)***Photia polymorpha*** Samšinak*Photia polymorpha* Samšinak, 1971: 184; Khaustov & Eidelberg, 2001: 31; Trach, 2006: 175; Haitlinger, 2012: 191

Type locality: Ulbinskoe, Siberia

Distribution: Japan, Korea, Russia (Siberia), Ukraine, Crimea

Host: holotype from *Carabus* (*Megodontus*) *imperialis* (Coleoptera: Carabidae). Reported also from other species of the genus *Carabus*, but, according to Khaustov & Eidelberg (2001), the mites collected from them may represent other species.

***Photia procera* (Berlese)**

Canestrinia (Eucanestrinia) procera Berlese, 1911: 184

Photia procera procera (Berlese): Samšinák, 1964: 35

Photia procera (Berlese): Cooreman, 1950: 26; Beron, 1971: 205; Haitlinger, 2012: 192

Type locality: “Carniolia” (Slovenia)

Distribution: Bulgaria, Slovenia (“Carniolia”), Italy

Hosts: *Carabus (Procerus) caucasicus*, *C. (P.) gigas*, *C. (P.) scabrosus*, *Carabus (Procrustes) coriaceus* (Coleoptera: Carabidae)

***Photia procera adanensis* Samšinák**

Photia procera adanensis Samšinák, 1964: 36

Type locality: Adana

Distribution: Turkey

Host: *Carabus (Procerus) scabrosus transversalis* (Coleoptera: Carabidae)

***Photia procera marani* Samšinák**

Photia procera mařani Samšinák, 1964: 37

Type locality: Lebanon

Distribution: Lebanon

Host: *Carabus (Procerus) syriacus* (Coleoptera: Carabidae)

***Photia procera turcica* Samšinák**

Photia procera turcica Samšinák, 1964: 35

Type locality: Turkey

Distribution: Turkey

Host: *Carabus (Procerus) scabrosus caucasicus* (Coleoptera: Carabidae)

***Photia procutidis* (Berlese)**

Canestrinia procutidis Berlese, 1881: 749

Canestrinia procrusti Berlese, 1892; Canestrini, 1897

Photia procrusti (Berlese): Oudemans, 1904: 192

Photia procutidis (Berlese): Oudemans, 1904; 1923b: 203; Samšinák, 1965: 140; 1971; Haitlinger, 2012: 190

Eucanestrinia procrusti Berlese, 1911: 184

Eucanestrinia procutidis Vitzthum, 1925: 48

Type locality: Italy

Distribution: Albania, Cyprus, Greece (incl. Crete, Rhodes), Israel, Italy, Lebanon, Slovakia, Turkey, former Yugoslavia

Hosts: *Carabus anatolicus*, *C. coriaceus*, *C. impressus* (Coleoptera: Carabidae)

Photia saetolata (Cooreman)

Percanestrinia saetolata Cooreman, 1950: 42; 1954: 85

Photia saetolata (Cooreman): Samšinák, 1965: 145; 1971: 197

Type locality: Belgium

Distribution: Belgium, Czech Rep., France, Germany, Great Britain, Holland

Hosts: *Carabus (Procrustes) c. coriaceus*, *C. violaceus purpurascens*, *C.v. exasperaus*, *C.v. bicinctus*, *C.v. fulgens* (Coleoptera: Carabidae)

Photia sibirica Khaustov et Eidelberg

Photia sibirica Khaustov & Eidelberg, 2001: 23

Type locality: Novosibirskaya Obl., Togoochinskiy Reg., Kotorovo Village

Distribution: Russia

Host: *Carabus (Megodontus) schoenherri* (Coleoptera: Carabidae)

Genus ***Phriknodora*** Summers et Schuster

Phriknodora Summers & Schuster, 1982b: 43

Type species: *Phriknodora pustulosa* Summers & Schuster, 1982

Phriknodora avae Haitlinger

Phriknodora avae Haitlinger, 1994b: 81

Type locality: Costa Rica

Distribution: Costa Rica

Host: *Stolas lebesi* (Coleoptera: Chrysomelidae)

Phriknodora pustulosa Summers et Schuster

Phriknodora pustulosa Summers & Schuster, 1982b: 43

Type locality: Oaxaca

Distribution: Mexico, Panama

Hosts: *Brazilianus mexicanus*, *B. batus* (Coleoptera: Cerambycidae)

Phriknodora scabra Summers et Schuster

Phriknodora scabra Summers & Schuster, 1982b: 46

Type locality: South Africa

Distribution: South Africa

Host: *Trachyderes succinctus* (Coleoptera: Cerambycidae)

Genus ***Procericola*** Cooreman

Procericola Cooreman, 1950: 44

Type species: *Procericola ichthyoides* Cooreman, 1950

Procericola bourgognei (Oudemans)

Photia bourgognei Oudemans, 1923b: 203

Caraboecius coriacei Cooreman, 1950: 19

Caraboecius bourgognei Cooreman, 1954: 87

Procericola bourgognei (Oudemans): Samšinák, 1965: 138; 1971; Beron, 1971: 205; Lundquist, 1985: 381; Khaustov & Eidelberg, 2001: 39; Trach, 2006: 175

Type locality: France (Bourgogne)

Distribution: Albania, Belgium, Bulgaria, Caucasus, former Yugoslavia, France, Greece, Hungary, Italy, Moldova, Romania, Russia, Slovakia, Sweden, Turkey, Ukraine

Hosts: *Carabus coriaceus*, *Carabus (Procrustes) ch. chevrolati*, *C. (P.) clypeatus clypeatus*, *C. (Megodontus) exaratus* (Coleoptera: Carabidae)

***Procericola ichthyoides* Cooreman**

Procericola ichthyoides Cooreman, 1950: 44

Procericola ichthyoides ichthyoides Cooreman: Samšinák, 1964: 38

Type locality: “Carniolia, Yougoslavie et Tolmezzo, Torrente Vinadia, Carnia”

Distribution: Italy, Slovenia

Host: *Carabus (Procerus) gigas* (Coleoptera: Carabidae)

***Procericola ichthyoides scabricola* Samšinák**

Procericola ichthyoides scabricola Samšinák, 1964: 38

Type locality: Caucasus, Mekish Mt.

Distribution: Bulgaria, Russia, Turkey

Hosts: *Carabus (Procerus) scabrosus transversalis* (Coleoptera: Carabidae)

***Procericola ichthyoides transversicola* Samšinák**

Procericola ichthyoides transversicola Samšinák, 1964: 40

Type locality: “Cilicien”

Distribution: Turkey

Hosts: *Carabus (Procerus) scabrosus transversalis* (Coleoptera: Carabidae)

Genus *Pseudamansia* Cooreman

Pseudamansia Cooreman, 1950: 5

Type species: *Dermaleichus chrysomelinus* Koch, 1841

***Pseudamansia chrysomelinus* (C.L. Koch)**

Dermaleichus chrysomelinus C.L. Koch, 1841: 4

Amansia chrysomelinus: Oudemans, 1923:

Pseudamansia chrysomelinus (C.L. Koch): Cooreman, 1950: 5; Jolivet, 1952, 1954; Theodorides, 1955; Santiago-Blay & Fain, 1994: 412

Pseudamansia chrysomelina (C.L. Koch): Bernini,

Type locality: various places in France (Neotype)

Distribution: Belgium, France, Algeria, Morocco, Mayorca Is., Italy

Hosts: *Timarcha atlantica*, *T. balearica*, *T. goettingensis*, *T. interstitialis*, *T. nicaeensis*, *T. pauperata*, *T. punctella*, *T. rugosa*, *T. tenebricosa* (Coleoptera: Chrysomelidae)

Pseudamansia decorata Trach et Khaustov

Pseudamansia decorata Trach & Khaustov, 2007: 269

Type locality: Odessa and Vinnica regions

Distribution: Ukraine

Host: *Timarcha goettingensis* (Coleoptera: Chrysomelidae)

Genus ***Pseudocanestrinia*** Khaustov et Eidelberg

Pseudocanestrinia Khaustov & Eidelberg, 2001: 31

Type species: *Pseudocanestrinia carabi* Khaustov et Eidelberg, 2001

Pseudocanestrinia berndi (Haitlinger)

Canestrinia berndi Haitlinger, 1995: 260

Pseudocanestrinia berndi (Haitlinger): Khaustov & Eidelberg, 2001: 34

Type locality: Jablanica (Herzegovina)

Distribution: Bosna and Herzegovina, Crimea

Hosts: *Carabus latenulatus plassensis*, *C. gyllenhali* (Coleoptera: Carabidae)

Pseudocanestrinia carabi Khaustov et Eidelberg

Pseudocanestrinia carabi Khaustov & Eidelberg, 2001: 33; Trach, 2006: 175

Type locality: Crimean mountains 'Ay-Petri'

Distribution: Crimea

Host: *Carabus* (*C.*) *bessarabicus* (Coleoptera: Carabidae)

Pseudocanestrinia mahunkai (Samšinák)

Canestrinia mahunkai Samšinák, 1971: 160; Haitlinger, 1988

Pseudocanestrinia mahunkai (Samšinák): Khaustov & Eidelberg, 2001: 32; Haitlinger, 2012: 186

Type locality: Balatonaracs (Hungary)

Distribution: Hungary, Poland

Host: *Carabus coriaceus* (Coleoptera: Carabidae)

Pseudocanestrinia occidentalis (Samšinák)

Canestrinia occidentalis Samšinák, 1971: 155

Pseudocanestrinia occidentalis (Samšinák): Khaustov & Eidelberg, 2001: 32

Type locality: La Lourde

Distribution: France

Host: *Carabus* (*Chrysocarabus*) *auronitens* (Coleoptera: Carabidae)

Pseudocanestrinia orientalis (Samšinák)*Canestrinia orientalis* Samšinák, 1971: 157*Pseudocanestrinia orientalis* (Samšinák): Khaustov & Eidelberg, 2001: 32

Type locality: "Carniolia"

Distribution: Slovenia

Hosts: *Carabus (Megodontus) caelatus*, *C. (M.) croaticus* (Coleoptera: Carabidae)Genus ***Pseudoparaphagella*** Haitlinger*Pseudoparaphagella* Haitlinger, 2010: 58Type species: *Pseudoparaphagella gerardi* Haitlinger, 2010***Pseudoparaphagella gerardi*** Haitlinger*Pseudoparaphagella gerardi* Haitlinger, 2010: 58

Type locality: Guinea

Distribution: Guinea

Host: *Caelorrhina thoreyi* (Coleoptera: Scarabaeidae, Cetoniinae)Genus ***Rugoniphela*** Haitlinger*Rugoniphela* Haitlinger, 1992b: 533Type species: *Rugoniphela marloni* Haitlinger, 1992***Rugoniphela marloni*** Haitlinger*Rugoniphela marloni* Haitlinger, 1992b: 534

Type locality: holotype from Borneo, paratypes from Java and Sumatra

Distribution: Indonesia (Borneo, Java, Sumatra)

Host: *Eurytrachelus bucephalus* (Coleoptera: Lucanidae)Genus ***Sabothiana*** Haitlinger*Sabothiana* Haitlinger, 1993e: 269Type species: *Sabothiana riccardoi* Haitlinger, 1993***Sabothiana boi*** Haitlinger*Sabothiana boi* Haitlinger, 1993e: 272

Type locality: Bahia

Distribution: Brazil

Host: *Charidotis* sp. (Coleoptera: Chrysomelidae, Cassidinae)***Sabothiana reidari*** Haitlinger*Sabothiana reidari* Haitlinger, 1993e: 273

Type locality: Bocaina

Distribution: Brazil

Host: *Charidotella kesseli* (Coleoptera: Chrysomelidae, Cassidinae)

Sabothiana riccardoi Haitlinger

Sabothiana riccardoi Haitlinger, 1993e: 271

Type locality: Brazil

Distribution: Brazil

Host: *Charidotis furunculus* (Coleoptera: Chrysomelidae, Cassidinae)

Genus ***Sajanophela*** Haitlinger

Sajanophela Haitlinger, 1990b: 545

Type species: *Sajanophela alfredae* Haitlinger, 1990

Sajanophela alfredae Haitlinger

Sajanophela alfredae Haitlinger, 1990b: 545

Type locality: Papua New Guinea

Distribution: Papua New Guinea

Host: *Protomocelus australis* (Coleoptera: Passalidae)

Genus ***Sandrophela*** Haitlinger

Sandrophela Haitlinger, 1990: 315

Type species: *Sandrophela kokodaica* Haitlinger, 1990

Sandrophela amarae Haitlinger

Sandrophela amarae Haitlinger, 1994a: 197

Type locality: East Java, Sumatra

Distribution: Indonesia (Java, Sumatra)

Host: *Eurytrachelus eurycephalus*, *E. gypeatus* (Coleoptera: Lucanidae)

Sandrophela dittae Haitlinger

Sandrophela dittae Haitlinger, 1992: 282

Type locality: Borneo

Distribution: Indonesia

Host: *Colydium* sp. (Coleoptera: Colydiidae)

Sandrophela hugoni Haitlinger

Sandrophela hugoni Haitlinger, 1994a: 194

Type locality: Sumatra

Distribution: Indonesia (Sumatra)

Host: *Odontolabis wollastoni* (Coleoptera: Lucanidae)

Sandrophela kokodaica Haitlinger

Sandrophela kokodaica Haitlinger, 1990e: 316

Type locality: Kokoda

Distribution: Papua New Guinea

Host: *Passandra trigemina* (Coleoptera: Passandridae)

Sandrophela rodioni Haitlinger

Sandrophela rodioni Haitlinger, 1993b: 342

Type locality: North Vietnam, Monte Mouson

Distribution: Vietnam

Host: *Eurytrachelus platymelus* (Coleoptera: Lucanidae)

Sandrophela sophiae Haitlinger

Sandrophela sophiae Haitlinger, 1994a: 196

Type locality: India

Distribution: India

Host: *Hemisodorcus chevrilati* (Coleoptera: Lucanidae)

Sandrophela spectanda (Berlese)

Canestrinia spectanda Berlese, 1910: 269

Sandrophela spectanda (Berlese): Haitlinger, 1994a: 199

Type locality: Java

Distribution: Indonesia (Java, Sumatra)

Host: *Dorcus bucephalus* (Coleoptera: Lucanidae)

Genus ***Saniothiana*** Haitlinger

Saniothiana Haitlinger, 1990e: 317

Type species: *Saniothiana pycnosa* Haitlinger, 1990

Saniothiana barumbaica Haitlinger

Saniothiana barumbaica Haitlinger, 1990e: 320

Type locality: Barumba

Distribution: Cameroon

Host: *Odontopezus cupreus lucens* (Coleoptera: Tenebrionidae)

Saniothiana pycnosa Haitlinger

Saniothiana pycnosa Haitlinger, 1990e: 318

Type locality: Africa

Distribution: Africa

Host: *Pycnocerus* sp. (Coleoptera: Tenebrionidae)

Genus ***Scarabiphotia*** Haitlinger

Scarabiphotia Haitlinger, 1994a: 205

Type species: *Scarabiphotia vignoni* Haitlinger, 1994

Scarabiphotia vignoni Haitlinger

Scarabiphotia vignoni Haitlinger, 1994a: 205

Type locality: unknown

Distribution: unknown

Host: *Scarabaeus variolosus* (Coleoptera: Scarabaeidae)

Genus ***Shillongia*** Haitlinger

Shillongia Haitlinger, 1990b: 546

Type species: *Shillongia marzenae* Haitlinger, 1990

Shillongia marzenae Haitlinger

Shillongia marzenae Haitlinger, 1990b: 546

Type locality: Assam, Shillong

Distribution: India (Assam)

Host: *Leptaulus indicus* (Coleoptera: Passalidae)

Genus ***Sorbinophela*** Haitlinger

Sorbinophela Haitlinger, 1993a: 7

Type species: *Sorbinophela sandyi* Haitlinger, 1993

Sorbinophela sandyi Haitlinger

Sorbinophela sandyi Haitlinger, 1993a: 7

Type locality: nr. Lake Ngami

Distribution: Botswana

Host: *Poecilophila maculatissima* (Coleoptera : Scarabaeidae, Cetoniinae)

Genus ***Tamarangia*** Haitlinger

Tamarangia Haitlinger, 1991d: 284

Type species: *Tamarangia nimfae* Haitlinger, 1992

Tamarangia ethiopica Khaustov

Tamarangia ethiopica Khaustov, 2006: 79

Type locality: Ethiopia

Distribution: Ethiopia

Host: *Pachnoda marginata* (Coleoptera: Scarabaeidae, Cetoniinae)

Tamarangia fabiolae Haitlinger

Tamarangia fabiolae Haitlinger, 1991d: 286

Type locality: Freetown

Distribution: Sierra Leone

Host: *Pachnoda marginata* (Coleoptera: Scarabaeidae, Cetoniinae)

Tamarangia flawiani Haitlinger*Tamarangia flawiani* Haitlinger, 1991d: 287

Type locality: Freetown

Distribution: Sierra Leone

Host: *Pachnoda marginata* (Coleoptera: Scarabaeidae, Cetoniinae)***Tamarangia nimfae*** Haitlinger*Tamarangia nimfae* Haitlinger, 1991d: 284; Haitlinger & Chmielewski, 2004: 199

Type locality: Ethiopia

Distribution: Ethiopia, South Africa

Host: *Pachnoda thoracica* (Coleoptera: Scarabaeidae, Cetoniinae)Genus ***Tamarophela*** Haitlinger*Tamarophela* Haitlinger, 1990b: 537Type species: *Tamarophela batjanica* Haitlinger, 1990***Tamarophela batjanica*** Haitlinger*Tamarophela batjanica* Haitlinger, 1990b: 537

Type locality: Moluccas, Batjan Is.

Distribution: Indonesia (Moluccas, Batjan Is.)

Host: undetermined Passalidae (Coleoptera)

Genus ***Taseopus*** Summers et Schuster*Taseopus* Summers & Schuster, 1982a: 27Type species: *Taseopus platythrix* Summers et Schuster, 1982***Taseopus platythrix*** Summers et Schuster*Taseopus platythrix* Summers & Schuster, 1982a: 27

Type locality: Queensland

Distribution: Australia

Host: Passalidae gen. sp. (Coleoptera)

Genus ***Teklathiana*** Haitlinger*Teklathiana* Haitlinger, 1999: 36Type species: *Teklathiana onnae* Haitlinger, 1999***Teklathiana conula*** (Summers et Schuster)*Grandiella conula* Summers & Schuster, 1979: 341*Grandiellina conula*: Santiago-Blay & Fain, 1994:

Ennodithiana conula (Summers & Schuster): Haitlinger 1993: 72

Teklathiana conula (Summers et Schuster): Haitlinger, 1999: 40

Type locality: Panama (El Cope)

Distribution: Panama

Host: *Omaspides bistrata* (Coleoptera: Chrysomelidae, Cassidinae)

Teklathiana onnae Haitlinger

Teklathiana onnae Haitlinger, 1999: 37; 2001: 103

Type locality: holotype from Colombia, paratype from Bolivia

Distribution: Bolivia, Colombia

Host: *Acromis sparsa* (Coleoptera: Chrysomelidae, Cassidinae)

Teklathiana rugosita (Summers et Schuster)

Grandiella rugosita Summers & Schuster, 1979: 343

Teklathiana rugosita (Summers et Schuster): Haitlinger, 1999: 40

Type locality: Panama (Canal Zone and Panama City)

Distribution: Panama

Host: *Acromis sparsa* (Coleoptera: Chrysomelidae, Cassidinae)

Genus ***Teophyssa*** Haitlinger

Teophyssa Haitlinger, 1990b: 544

Type species: *Teophyssa honoratae* Haitlinger, 1990

Teophyssa beatae Haitlinger

Teophyssa beatae Haitlinger, 1990b: 544

Type locality: Sumatra, Bekantiang

Distribution: Indonesia (Sumatra)

Host: undetermined Passalidae (Coleoptera)

Teophyssa honoratae Haitlinger

Teophyssa honoratae Haitlinger, 1990b: 544

Type locality: North Sumatra

Distribution: Indonesia (Sumatra)

Host: *Gonatus noviculator* (Coleoptera: Passalidae)

Teophyssa teresae Haitlinger

Teophyssa teresae Haitlinger, 1990b: 545

Type locality: Sumatra, Soekaranda

Distribution: Indonesia (Sumatra)

Host: undetermined Passalidae (Coleoptera)

Genus ***Thopia*** Summers et Schuster*Thopia* Summers & Schuster, 1982b: 35Type species: *Thopia tenax* Summers et Schuster, 1982***Thopia amedae*** Haitlinger*Thopia amedae* Haitlinger, 1993e: 268

Type locality: Cayenne

Distribution: French Guiana

Host: *Eugenysa venosa* (Coleoptera: Chrysomelidae, Cassidinae)***Thopia boguwolae*** Haitlinger*Thopia boguwolae* Haitlinger, 1993e: 266

Type locality: Brazil

Distribution: Brazil

Host: *Polychalca punctatissima* (Coleoptera: Chrysomelidae, Cassidinae)***Thopia bulbocaudata*** Summers et Schuster*Thopia bulbocaudata* Summers & Schuster, 1982b: 37

Type locality: Panama

Distribution: Panama

Host: *Neoptychodes trilineatus* (Coleoptera: Cerambycidae, Lamiinae)***Thopia corinnae*** Haitlinger*Thopia corinnae* Haitlinger, 1993e: 268

Type locality: Bahia

Distribution: Brazil

Host: *Polychalca dentipennis* (Coleoptera: Chrysomelidae, Cassidinae)***Thopia pannucea*** Summers et Schuster*Thopia pannucea* Summers & Schuster, 1982b: 41

Type locality: Panama

Distribution: Panama

Host: *Lagocheirus foveolatus* (Coleoptera: Cerambycidae, Lamiinae)***Thopia tenax*** Summers et Schuster*Thopia tenax* Summers & Schuster, 1982b: 37

Type locality: Canal Zone

Distribution: Panama

Host: *Taeniodes scalaris* (Coleoptera: Cerambycidae)Genus ***Uriophela*** Haitlinger*Uriophela* Haitlinger, 1992b: 539

Type species: *Uriophela arieli* Haitlinger, 1992

Uriophela arieli Haitlinger

Uriophela arieli Haitlinger, 1992b: 540

Type locality: Amur District (Russia)

Distribution: Russia (Far East)

Host: *Hemisodorus* [*Macrodera*] *rubrofemoratus* (Coleoptera: Lucanidae)

Genus ***Vandeinella*** Haitlinger

Vandeinella Haitlinger, 1989a: 54

Type species: *Vandeinella adriasae* Haitlinger, 1989

Vandeinella adriasae Haitlinger

Vandeinella adriasae Haitlinger, 1989a: 54

Type locality: Sumatra

Distribution: Indonesia (Sumatra)

Host: *Trichogomphus milon* (Coleoptera: Scarabaeidae, Dynastinae)

Vandeinella opressa Haitlinger

Vandeinella opressa Haitlinger, 1989a: 55

Type locality: Borneo

Distribution: ? Indonesia (Borneo)

Host: *Trichogomphus lunicollis* (Coleoptera: Scarabaeidae, Dynastinae)

Subfam. ***Vereoxiinae*** Haitlinger

Vereoxiinae Haitlinger, 1995a: 80

Type genus: *Vereoxia* Haitlinger, 1995

Genus ***Vereoxia*** Haitlinger

Vereoxia Haitlinger, 1995a: 80

Type species: *Vereoxia bogeri* Haitlinger, 1995

Vereoxia bogeri Haitlinger

Vereoxia bogeri Haitlinger, 1995a: 80

Type locality: unknown

Distribution: unknown

Host: Lucanidae gen. sp. (Coleoptera)

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Distribution of Canestriniidae

EUROPE

- Albania** (Samšinák, 1965) – *Photia procustidis*, *Procericola bourgognei*
Austria (Samšinák, 1971; Haitlinger, 1990d, 1995b) – *Coleopterophagus albini*, *Photia bardoica*, *Ph. chrysocarabi*, *Ph. hejniana*
Belgium (Cooreman, 1950; Fain, Noti & Dufrêne, 1995) – *Photia chrysocarabi*, *Ph. saetolata*, *Procericola bourgognei*, *Pseudamansia chrysomelinus*
Bosna and Herzegovina (Samšinák, 1971; Haitlinger, 1995b) – *Dicanestrinia knobi*, *Pseudocanestrinia berndi*, *P. carabi*

- Bulgaria** (Samšinák, 1970; Beron, 1971, 1975) – *Ibizella* [Canestrinia] *samsinaki*, *Percanestrinia blaptis*, *Procericola bourgognei*, *P. ichthyoides*, *Photia procera*
- Byelorussia** (Khaustov & Eidelberg, 2001) – *Dicanestrinia huberti*, *Photia adolphinae*
- Crimea** (Khaustov & Eidelberg, 2001) – *Amansiella trilobata*, *Canestrinia damiani*, *C. dorcicola*, *Paramansia bicornis*, *Paraphotia calosomae*, *Photia polymorpha*, *Pseudocanestrinia berndti*, *P. carabi*
- Croatia** (Samšinák, 1971; Haitlinger, 1990d) – *Coleopterophagus megnini*, *Photia hejniana*
- Czech Rep.** (Samšinák, 1965, 1971; Haitlinger, 1990d) – *Coleopterophagus albini*, *C. megnini*, *Dicanestrinia knobi*, *Percanestrinia sellnicki*, *Photia chrysocarabi*, *Ph. hejniana*, *Ph. saetolata*
- Denmark** (Haitlinger, 2017) – *Paracanestrinia denmarkica*
- Estonia** (Haitlinger, 2015) – *Coleopterophagus albini*
- France** (contin.) (Oudemans, 1923; Cooreman, 1950; Jolivet, 1950, 1954; Samšinák, 1970, 1971) – *N. jureceki*, *Paramansia menthastri*, *Percanestrinia blaptis*, *Photia chrysocarabi*, *Ph. saetolata*, *Procericola bourgognei*, *Pseudocanestrinia occidentalis*, *Pseudamansia chrysomelinus*
- Corsica** (Haitlinger, 1992a) – *Canestrinia carabicola*, *Percanestrinia maroccana*
- Georgia** (Samšinák, 1971; Haitlinger, 1992a) – *Percanestrinia blaptis*, *Photia bilkorum*
- Germany** (Poppe, 1907; Rack, 1968; Samšinák, 1965, 1970; Haitlinger, 1992a) – *Coleopterophagus albini*, *Percanestrinia blaptis*, *Procericola bourgognei*, *Photia chrysocarabi*, *Ph. saetolata*
- Great Britain** (Turk, 1953; Evans, Sheals & Macfarlane, 1961; Samšinák, 1965, 1971) – *Canestrinia dorcicola*, *Coleopterophagus megnini*, *Percanestrinia blaptis*, *Photia chrysocarabi*, *Ph. saetolata*
- Greece** (Cooreman, 1958; Samšinák, 1965) – *Photia graeca*, *Ph. procustidis*, *Procericola bourgognei*
- Crete** (Samšinák, 1965) – *Photia procustidis*
- Rhodos** (Samšinák, 1965) – *Photia procustidis*
- Holland** (Buitendijk, 1945; Cooreman, 1954; Samšinák, 1965; Siepel, Cremers & Vierbergen, 2016) – *Canestrinia dorcicola*, *Coleopterophagus megnini*, *Photia saetolata*
- Hungary** (Samšinák, 1965; Haitlinger, 1989, 1990d; 1992a) – *Canestrinia damiani*, *Coleopterophagus megnini*, *Percanestrinia blaptis*, *P. sellnicki*, *Procericola bourgognei*,
- Italy** (contin.) (Berlese, 1881; Lombardini, 1943; Cooreman, 1950; Haitlinger, 1990d, 1992a, 2004) – *Canestrinia carabicola*, *C. dorcicola*, *Coleopterophagus donaldi*, *C. megninii*, *Dicanestrinia knobi*, *Percanestrinia blaptis*, *P. maroccana*, *Photia procera*, *Ph. procustidis*, *Procericola bourgognei*, *P. ichthyoides*, *Pseudamansia chrysomelinus*
- Sicily** (Haitlinger, 1990d) – *Canestrinia carabicola*, *Coleopterophagus megnini*,
- Sardinia** (Canestrini & Berlese, 1880; Vitzthum, 1924) – *Canestrinia carabicola*, *Percanestrinia blaptis*, *P. sardica*
- Moldova** (Trach, 2006) – *Percanestrinia sellnicki*, *Photia hejniana*, *Procericola bourgognei*
- Norway** (Haitlinger, 2015) – *Coleopterophagus albini*
- Poland** (Haitlinger, 1988a, 1988b, 1988c, 1988d, 1989, 1990c, 1990d, 1991c, 1992a, 1994a, 2002, 2004, 2012) – *Canestrinia dorcicola*, *Coleopterophagus albini*, *C. megnini*, *Di-*

canestrinia huberti, *D. knobi*, *Percanestrinia blaptis*, *P. sellnicki*, *Photia adolfinae* (as “polymorpha”), *P. hejniana*, *P. chrysocarabi*, *P. hermengildae*, *P. bardoica*, *Pseudocanestrinia mahunkai*, *Procericola bourgognei*

Portugal (cont.) (Samšínák, 1971) – *Canestrinia hispanica*, *Neophotia drvotocka*

Romania (Samšínák, 1965; Haitlinger, 1990d) – *Coleopterophagus albini*, *C. maroni*, *Percanestrinia sellnicki*, *Procericola bourgognei*

Russia (all, continent.) (Samšínák, 1971; Haitlinger, 1992b; Khaustov & Eidelberg, 2001) – *Percanestriniella caucasica*, *Photia bilkorum*, *Ph. polymorpha*, *Ph. sibirica*, *Procericola bourgognei*, *Uriophela arieli*

Kunashir I. (Khaustov & Eidelberg, 2001) – *Photia pacifica*

Sakhalin I. (Khaustov & Eidelberg, 2001) – *Photia lopatini*

Serbia (Haitlinger, 19) – *Coleopterophagus megnini*

Slovakia (Haitlinger, 1990 ; Samšínák, 1965, 1971; Zamec, 2014) – *Coleopterophagus albini*, *Percanestrinia selnicki*, *Photia chrysocarabi*, *Ph. hejniana*, *Ph. procustidis*, *Procericola bourgognei*

Slovenia (Cooreman, 1950; Samšínák, 1971) – *Photia hejniana*, *Ph. procera*, *Procericola ichthyoides*, *Pseudocanestrinia orientalis*

Spain (cont.) (Jolivet, 1954; Samšínák, 1971) – *Canestrinia hispanica*, *Mesophotia p. penicillata*, *M. p. similis*, *Neophotia drvotocka*, *N. latissima*, *Photia lusitanica*, *Pseudamansia chrysomelinus*

Balearic Is. (Haitlinger, 1991a, 2001; Haitlinger & Šundić, 1918) – *Camirohylla feziana* [Ibiza, Formentera], *Ibizella samsinaki* [Ibiza], *I. balearica* [Ibiza], *Pseudamansia chrysomelinus* [Mayorca]

Sweden (Lundquist, 1985) – *Procericola bourgognei*

Turkey (all) (Samšínák, 1964, 1965, ; Haitlinger, 1990d) – *Coleopterophagus megnini*, *Photia graeca*, *Ph. procera adanensis*, *Ph. procera turcica*, *Ph. procustidis*, *Procericola bourgognei*, *P. ichthyoides scabricola*, *P. i. transversicola*

Ukraine (Haitlinger, 1990, 2002; Khaustov & Eidelberg, 2001; Samšínák, 1971; Trach, 2006; Trach & Khaustov, 2007, 2011) – *Amansiella trilobata*, *Canestrinia dorcicola*, *Coleopterophagus albini*, *C. donaldi*, *C. megnini*, *C. maroni*, *Dicanestrinia knobi*, *Pararamansia bicornis*, *Paraphotia calosomae*, *Percanestrinia blaptis*, *P. sellnicki*, *Photia adolfinae*, *Ph. hejniana*, *Ph. hermengildae*, *Ph. polymorpha*, *Procericola bourgognei*, *Pseudamansia decorata*, *Pseudocanestrinia carabi*, *P. berndi*

AFRICA

Algeria (Jolivet, 1954) – *Pseudamansia chrysomelinus*

Botswana (Haitlinger, 1993) – *Sorbinophela sandyi*

Burundi (Haitlinger, 1993) – *Boetophila weneri*

Cameroon (Haitlinger, 1990, 1991, 1991d, 1993, 2011) – *Boetophela erhardi*, *Cetonicola isadorae*, *Paraphagella grimaldi*, *P. indirae*, *P. odae*, *Pheliculophela roaldi*, *Saniothiana barumbaica*

Congo-Brazaville (Haitlinger, 1991d) – *Cetonicola maritae*, *Paraphagella odae*

Congo DR (Cooreman, 1953, 1955; Haitlinger, 1995) - *Afrocanestrinia straeleni*, *Cetonicola hispidus*, *Coleopterophagus pulcher*, *Diplognatophilus africanus*, *Donnelaphontia suatotha*

Egypt (El-Bishlawy & Allam, 2003) - *Percanestrinia egypti*

Ethiopia (Haitlinger, 1990, 1991d, 1993; Khaustov, 2006) - *Barbiangia elongata*, *B. ethiopica*, *Diplognatophilus ethiopicus*, *Tamarangia ethiopica*, *T. nimfae*

Ghana (Haitlinger, 1991a, 1991d, 1993) - *Boetophela ephraimi*, *Boleohylla garrica*, *Cetonicola orestesi*

Guinea (Haitlinger, 2010) - *Pseudoparaphagella gerardi*

Kenya (Fain, 1987b) - *Diplopodocoptes transkeiensis*

Liberia (Haitlinger, 1991d) - *Cetonicola orestesi*

Madagascar (Haitlinger, 1989a, 1990) - *Ambilohylla favosa*, *Athogavia nosiana*

Morocco (Cooreman, 1953; Samšinák, 1971; Haitlinger, 1991; Haitlinger & Šundić, 1918) - *Canestrinia hispanica*, *Camirohylla feziana*, *Globosophotia bettinae*, *Ibizella asilahica*, *Mesophotia penicillata tertia*, *Percanestrinia maroccana*, *Pseudamansia chrysomelinus*

Senegal (Haitlinger, 1995a) - *Afrocanestrinia samsoni*

Sierra Leone (Haitlinger, 1992) - *Tamarangia fabiolae*

South Africa (Trägårdh, 1906; Fain, 1987; Haitlinger, 1989, Haitlinger & Chmielewski, 2004) - *Boetophela cassandrae*, *B. ginae*, *Diplopodocoptes transkeyensis*, *Megacane-strinia mucronata*, *Tamarangia nimfae*

Sudan (Trägårdh, 1904) - *Coleopterophagus quadrisetosus*

Tanzania (cont.)(Lavoipierre, 1958; Haitlinger, 1989, 1990b, 1991, 1995a) - *Afrocanestrinia rufinae*, *Athogavia gamana*, *A. tanzanica*, *Barbiangia alvari* [Zanzibar], *Megacane-strinia beloniana*, *Boetophela robertsoni*, *B. silvanae*, *B. sybillae*, *B. symeoni*, *Cetonicola vatus*, *Irmongia helgae*, *Olgattia useguaica*

Zanzibar (Haitlinger, 1993) - *Barbiangia alvari*

Tunisia (Samšinák, 1970; Haitlinger, 2000) - *Bircericola bertrami*, *Percanestrinia kamelskyi*

Uganda (Haitlinger, 1991) - *Boleohylla kiogana*

“Africa” (Berlese, 1910, 1920; Haitlinger, 1990) - *Canestrinia remigans*, *Coleopterophagus neglectus*, *Saniothiana pycnosa*

ASIA

China (Samšinák, 1971; Haitlinger, 1990d, 1992a, 1994a, 1998; Fan, Chen & Wang, 2010) - *Beeriphotia volkeri*, *Canestrinia kacperi*, *C. paavoi*, *C. pekingensis*, *C. ramoni*, *Coleopterophagus belzebubi*, *C. rudolfi*, *Gioharattia maharae*, *Percanestrinia melchiori*, *P. viviannae*, *Photia melchiori*

Hainan (Summers & Schuster, 1982a;) - *Melisia sentosa*

Taiwan (Samšinák, 1971; Summers & Schuster, 1981a; Haitlinger, 1990d; Fan, Chen & Wang, 2010) - *Apalotacarus aristatus*, *C. cristatus*, *A. trullus*, *Canestrinia illegalis*, *Coleopterophagus belzebubi*, *Melisia superba*

Cyprus (Samšinák, 1965; Haitlinger, 1992a) - *Ibizella* [Canestrinia] *samsinaki*, *Percanestrinia blaptis*, *Photia procustidis*

- India** (Samšinák, 19 1971; Summers & Schuster, 1981a; Haitlinger, 1990, 1994a; Vishnu-priya & Mohanasundaram, 1988) - *Apalotacarus aristatus*, *A. echinatus*, *A. protensus*, *A. scissus*, “*Coleopterophagus procerus*”, *Canestriniella batocerae* (Tamil Nadu), *Melisia anomala*, *M. klapaleki*, *Percanestriniella vlachiana* (Kashmir), *Shillongia marzenae* (Assam), *Sandrophela sophiae*
- Indonesia** (Berlese, 1910; Samšinák, 1963, 1944; Summers & Schuster, 1981a; Haitlinger, 1989a, 1990b, 1991, 1992b, 1993b, 1994a, 1995) – *Albinorattia igori* [Batjan], *Amboinophela bernaie* [Amboina, New Guinea], *Apalotacarus aristatus* [Java], *A. fulgens* [Java], *A. sajanae* [Java], *Arraphosoma paraminax* [Mollucas], *Athogavia borneoica* [Borneo, presumably Kalimantan], *A. scagana* [Borneo, presumably Kalimantan], *Aurilossongia dioni*, *A. hoaria* [Kalimantan], *Canestriniella amplexans* [Java], *C. physsana* [Java], *C. elae*, *C. phoebinae* [Java], *C. togata phoebinae* [Java], *C. phoebinae* [Java], *Gioharattia maharae* [Borneo, presumably Kalimantan], *Hargeinella poppana* [Sumatra], *Hyllosihemia belerofoni* [Sumatra], *Lidiophela bognae*, *L. celinae*, *L. pelagiae*, *Melisia jadvigae* [Moluccas], *Melisia ariadnae*, *M. gabrielae*, *M. hieronimae*, *M. ingeborgae*, *M. irenae*, *M. lombardini*, *M. mariettae*, *M. melaniae*, *M. salomeae*, *M. sumatrae*, *Noemiphela barryi* [Sumatra], *N. izabelae* [Sulawesi], *Rugoniphela marloni* [Borneo, Java, Sumatra], *Sandrophela amarae* [Java, Sumatra], *S. hugoni* [Sumatra], *S. spectanda* [Java, Sumatra], *Tamarophela batianica* [Moluccas], *Vandeinella adriasae* [Sumatra], *V. opressa* [Borneo]
- Iran** (Haitlinger, 1990c; Ardeshtir et al., 2016) – *Camirohylla* sp., *Coleopterophagus baali*
- Israel and Palestina** (Samšinák, 1965) - *Dicanestrinia knobi*, *Photia procustidis*
- Japan** (Kishida, 1924, Samšinák, 1971; Haitlinger, 1990d) - *Canestrinia pictura*, *Coleopterophagus belzebubi*, *Photia polymorpha*
- Kambodia** (Vomero, 1972) – *Melisia samsinaki*
- Kirghizstan** (Khaustov & Eidelberg, 2001) - *Percanestriniella levis*
- Korea** (Samšinák, 1971; Wontae Kim et al., 2006) - *Haitlingeria longilobata*, *Photia polymorpha*
- Lebanon** (Samšinák, 1964, 1965) - *Photia procera marani*, *Ph. procustidis*
- Malaysia** (cont.)
- Sarawak and Sabah** (Haitlinger, 1991) - *Rugoniphela marioni* [Borneo]
- Philippines** (Summers & Schuster, 1981a) - *Apalotacarus fusulus* [Mindoro], *A. scaurus* [Mindanao]
- Sri Lanka** (Haitlinger, 1989a) – *Gioharattia caroae*
- Syria** (Haitlinger, 1990d) – *Coleopterophagus dionizyi*, *C. maroni*,
- Taiwan** (Summers & Schuster, 1981a) – *Apalotacarus aristatus*, *A. trullus*
- Thailand** (Haitlinger, 1990) - *Melisia hieronimae*
- Uzbekistan** (Samšinák, 1971) – *Percanestrinia levis*
- Vietnam** (Samšinák, 1969; Haitlinger, 1990b, 1993b) – *Melisia baloghi*, *M. helenae*, *M. jadvigae*, *M. hieronimae*, *M. mahunkai*, *M. occidii*, *M. rufae*, *Sandrophela rodioni*
- Asia** (Haitlinger, 1989)

NORTH AMERICA

Mexico (Banks, 1915; Summers & Schuster, 1979a, 1982b; Haitlinger, 1992e, 1993d, 1993e) – *Acrotacarus mirabilis*, *Arrunsithiana escaudata*, *Bibulothiana cyriaki*, *B. vatia*, *Grandiellina marinae*, *G. soniae*, *Ennodithiana maniusi*, *Phriknodora pustulosa*

SOUTH and CENTRAL AMERICA

Argentina (Haitlinger, 1992e, 1993e) – *Grandiella tacjannae*, *Olafithiana foliacea*, *O. multifida*

Belize (Fain, 1987a) – *Grandiella gambosa*, *G. kimsleyi*

Bolivia (Lombardini, 1950; Fain, 1987a; Haitlinger, 1989, 1992e, 1993d, 1993e, 1999) – *Arrunsithiana escaudata*, *Bibulothiana brevispinata*, *Grandiella decemcaudata*, *G. longini*, *G. quadrata*, *G. rosascostai*, *Olafithiana multifida*, *Ovarrothiana leopoldi*, *O. ludomiri*, *Teklathiana onnae*

Brazil (Lombardini, 1939, 1950; Summers & Schuster, 1979a; Fain, 1987a; Haitlinger, 1989, 1990a, 1991e, 1992e, 1993d, 1993e, 1995a, 2008) – *Arrunsithiana arcuata*, *A. battosi*, *A. escaudata*, *A. quadrata*, *A. spicantis*, *Bibulothiana brevispinata*, *B. cyriaki*, *B. everittae*, *B. oswaldi*, *Dorynothiana delmari*, *D. jurandi*, *Ennodithiana maniusi*, *E. medoni*, *E. megesi*, *Ennorithiana heliodori*, *Gasuthiana abapoica*, *G. coarica*, *G. melillae*, *Grandiella minor*, *G. tacjannae*, *G. tetracaudata*, *Hatohylla bahiana*, *H. bibiannae*, *H. morrata*, *Olafithiana adelinae*, *O. multifida*, *O. foliacea*, *O. joliveti*, *Ovarrothiana erazmi*, *O. ozannae*, *Sabothiana boi*, *S. reidari*, *S. riccardoi*, *Thopia boguwolae*, *Th. corinnae*

Colombia (Summers & Schuster, 1979a; Fain, 1987; Haitlinger, 1997, 1989, 1991b, 1991e, 1993d, 1993e, 2001) – *Arrunsithiana ilosi*, *A. battosi*, *A. quadrata*, *Bibulothiana brevispinata*, *Danaithiana ayraica*, *Ennorithiana aidaie*, *Gasuthiana olareica*, *Grandiella gambosa*, *G. kimseyi*, *G. sricula*, *G. soniae*, *G. tetracaudata*, *Ovarrothiana echinoderma*, *Teklathiana onnae*,

Costa Rica (Haitlinger, 1991b, 1994b; Summers & Schuster, 1979b) – *Acrotacarus mirabilis*, *Arrunsithiana escaudata*, *Bibulothiana albertae*, *Danaithiana chanchamayoica*, *Olafithiana iwettae*, *Phriknodora avae*

Cuba (Haitlinger, 1991b, 1993d) – *Danaithiana chanchamayoica*, *Ennodithiana messalinae*

Ecuador (contin.) (Fain, 1987a; Haitlinger, 1991b, 1991e, 1993d, 1993e,) – *Arrunsithiana artemoni*, *A. battoni*, *A. erinnae*, *Bibulothiana brevispinata*, *Danaithiana archidonaica*, *D. ayraica*, *D. ecuadorica*, *Grandiella cooremani*, *G. ecuadorensis*, *G. soniae*, *Olafithiana multifida*, *Ovarrothiana ozannae*,

French Guyana (Lombardini, 1950; Fain, 1987a; Haitlinger, 1993e, 1993d, 1999) – *Averithiana anoni*, *Arrunsithiana escaudata*, *A. quadrata*, *A. squarrosa*, *Gasuthiana olareica*, *Grandiella tetracaudata*, *G. t. omoplata*, *Ovarrothiana erazmi*, *Thopia amedae*

Guatemala (Summers & Schuster, 1979a, 1979b) – *Acrotacarus mirabilis*, *Arrunsithiana escaudata*

Honduras (Haitlinger, 1993e, 1999) – *Bibulothiana brevispinata*, *Metriothiana bolebori*

Panama (Banks, 1915; Summers & Schuster, 1979b, 1982b; Haitlinger, 1993d, 1993e,) – *Bibulothiana brevispinata*, *Coleopterophagus blattophagus*, *Ennodithiana platysma*, *Grandiella gambosa*, *G. kimseyi*, *Ovarrothiana echinoderma*, *Phriknodora pustulosa*, *Teklathiana conula*, *T. rugosita*, *Thopia tenax*

Paraguay (Lombardini, 1950; Haitlinger, 1992e) – *Grandiella decemcaudata*, *G. tacjannae*

Peru (Summers & Schuster, 1979; Fain, 1987a; Haitlinger, 1991b, 1992e, 1993d, 1993e, 2008) – *Bibulothiana everittae*, *Danaithiana chanchamayoica*, *Grandiella rogeri*, *G. soniae*, *G. tetracaudata*, *Ovarrothiana ozannae*, *Peruthiana briannae*

Suriname (Haitlinger, 1993) – *Ennodithiana penelopae*

Trinidad and Tobago (Turk, 1948) – *Acrotacarus alutaceus*,

Venezuela (Lombardini, 1950; Haitlinger, 1994b) – *Olafithiana iwettae*, *Grandiella pentagona*

South America (Fain, 1989) – *Arrunsithiana latipes*

OCEANIA

Australia (continent) (Summers & Schuster, 1981a, 1981b, 1982a; Haitlinger, 1991) — *Apalotacarus fusticulus*, *A. gracilis*, *A. luroris*, *Cnecoderma dolichopoda*, *C. ovalis*, *Hypopteryx collaris*, *Lidiophela pauliana*, *Melisia leptinotarsa*, *Taseopus platythrix*

Papua New Guinea (Nesbitt, 1976; Summers & Schuster, 1981a, b; Haitlinger, 1989a, 1989b, 1990a, 1990b, 1993b, Haitlinger & Šundić, 2020) – *Apalotacarus cidaris*, *A. fusulus*, *A. paxillus*, *A. petilus*, *A. rigescens*, *Aurilossongia bolanica*, *A. fileasi*, *A. gaurana* [New Britain], *A. norae*, *Lidiophela* [*Coleopterophagus*] *pecki*, *Cooremania kietaensis* [Bougainville], *C. wauensis*, *Jullongia izae*, *Passalophagus georgei*, *Phaleratus fentoni*, *Photia howdeni*, *Sajanophela alfredae*

New Guinea (Summers & Schuster, 1981b) – *Arraphosoma minax*

Salomon Islands (Nesbitt, 1976; Summers & Schuster, 1981a) – *Apalotacarus glaber* [Russel I.], *Lidiophela* [*Coleopterophagus*] *pecki*

Hosts of Canestriniidae

Myriapoda

Diplopoda

Glomerida

Fam. Glomeridae – *Diplopodocoptes transkeiensis*

Spirostrepsida

Fam. Odontopygidae – *Diplopodocoptes transkeiensis*

Insecta

Coleoptera

Fam. Carabidae

- Calosoma (Campalita) auropunctatum* – *Paraphotia calosomae*
Carabus (Oreocarabus) amplipennis - *Photia lusitanica*
C. (Cychrostomus) anchocephalus – *Canestrinia pekingensis*
C. (Eupachys) glyptopterus - *Canestrinia pekingensis*
C. (Coptolabrus) lafossei saturatus - *Canestrinia pekingensis*
C. augustus - *Canestrinia pekingensis*
C. augustus ignigena - *Canestrinia pekingensis*
C. pustulifer - *Canestrinia pekingensis*
C. pustulifer pratti - *Canestrinia pekingensis*
C. p. querryi - *Canestrinia pekingensis*
C. p. szechwanensis - *Canestrinia pekingensis*
C. ignimetalla angusticollis - *Canestrinia pekingensis*
C. gemmifer - *Canestrinia pekingensis*
C. (Cratocephenus) akinini – *Percanestriniella levis*
C. angulicollis antaeus – *Beeriphotia volkeri*
C. (Tachypus) auratus – *Photia chrysocarabi*
C. (Chrysocarabus) auronitens - *Photia chrysocarabi*, *Pseudocanestrinia occidentalis*
C. (Cratocephalus) balassogloi – *Percanestriniella levis*
C. (C.) bessarabicus – *Pseudocanestrinia carabi*
C. (Damaster) blaptoides – *Canestrinia pictura*
C. (Imaibius) boysi – *Percanestriniella vlachiana*
C. (Acanthaicus) brandti – *Canestrinia pekingensis*
C. (Megodontus) caelatus – *Pseudocanestrinia orientalis*
C. (C.) cicatricosus - *Percanestriniella levis*
C. (Procrustes) coriaceus - *Photia procera*, *Percanestrinia saetolata*, *Procericola bourgognei*
C. (Megodontus) croaticus – *Pseudocanestrinia orientalis*
C. coelestes giganteus – *Canestrinia ramoni*
C. (Procrustes) a. anatolicus – *Photia procustidis*
C. (Procrustes) auticollis – *Procericola bourgognei*
C. (Procrustes) b. banoni – *Photia procustidis*
C. (Procrustes) ch. chevrolati – *Procericola bourgognei*
C. (Procrustes) clypeatus clypeatus - *Procericola bourgognei*
C. (Procrustes) coriaceus banaticus - *Percanestrinia sellnicki*
C. (Procrustes) c. coriaceus - *Percanestrinia sellnicki*, *Photia saetolata*
C. (Procrustes) coriaceus foudrasi – *Photia graeca*
C. (Procrustes) coriaceus gressorius - *Percanestrinia sellnicki*
C. (Procrustes) coriaceus imminutus - *Percanestrinia sellnicki*
C. (Procrustes) coriaceus impudicus - *Photia graeca*
C. (Procrustes) coriaceus kindermanni - *Photia graeca*

- C. (Procrustes) coriaceus pseudorugifer* - *Percanestrinia sellnicki*
C. (Procrustes) coriaceus rugifer - *Percanestrinia sellnicki*
C. (Procrustes) coriaceus subrugosus - *Percanestrinia sellnicki*
C. (Procrustes) coriaceus - *Pseudocanestrinia mahunkai*
C. (Ctenocarabus) galicianus - *Canestrinia hispanica*
C. (Procerus) gigas - *Photia procera*, *Procericola ichthyoides*
C. (Procerus) scabrosus transversalis - *Photia procera adanensis*
C. (Procerus) scabrosus caucasicus - *Photia procera*
C. (Procerus) syriacus - *Photia procera marani*
C. (C.) glabratus - *Photia adolphinae*
C. grandis - *Canestrinia paavoi*
C. (Oreocarabus) guadarriamus - *Canestrinia hispanica*, *Neophotia drvotocka*
C. (Megodontus) gyllenhali - *Photia adolphinae*, *Pseudocanestrinia berndi*
C. (Coptolabrus) hankotaizanus - *Canestrinia illegalis*
C. (Procrustes) impressus carmelita - *Photia procutidis*
C. (Megodontus) kolbei - *Photia pacifica*
C. (Tribax) komarovi - *Photia bilkorum*
C. (Oreocarabus) linnaei - *Photia hermengildae*
C. latenuclatus plassensis - *Pseudocanestrinia berndi*
C. (Coptolabrus) longipennis mandarinus - *Canestrinia illegalis*
C. (Acoptolabrus) lopatini - *Photia lopatini*
C. (Mesocarabus) lusitanicus - *Neophotia latissima*
C. (M.) lusitanicus breuningi - *Photia lusitanica*
C. (M.) lusitanicus castilianus - *Photia lusitanica*
C. (M.) lusitanicus logronicus - *Photia lusitanica*
C. (M.) lusitanicus schauvi - *Photia lusitanica*
C. (Rhabdotocarabus) melancholicus - *Canestrinia hispanica*, *Mesophotia p. penicillata*
C. (Macrothorax) morbillosus - *Canestrinia carabicola*
C. (Procrustes) m. mulsatianus - *Photia procutidis*
C. (Archicarabus) nemoralis - *Photia bardoica*, *Ph. chrysocarabi*
C. (Procrustes) payafa - *Procericola bourgognei*
C. (Tribax) plasoni - *Photia bilkorum*
C. (Tribax) protensis - *Photia bilkorum*
C. (Iniopachus) pyrenaeus - *Neophotia drvotocka*, *N. jureceki*
C. (Procerus) scabrusus - *Photia procera*
C. (Megodontus) schoenherri - *Photia sibirica*
C. (Tribax) shamyli - *Photia bilkorum*
C. (I.) stoliczkanus - *Percanestriniella vlachiana*
C. (Ulocarabus) sturowskyi - *Percanestriniella levis*
C. (P.) tanypedilus - *Percanestriniella levis*

- C. (Pantophyrus) turcomannorum* - *Percanestriniella levis*
C. (Hygrocarabus) variolosus – *Dicanestrinia huberti*, *D. knobi*
C. (Megodontus) violaceus – *Photia hejniana*, *Ph. saetolata*
C. v. bicinctus – *Photia saetolata*
C. v. exasperatus – *Photia hejniana*, *Ph. saetolata*
C. v. fioris – *Photia hejniana*
C. v. fulgens – *Photia saetolata*
C. v. obliquus - *Photia hejniana*
C. v. purpurascens – *Photia graeca*, *Ph. saetolata*
C. v. savinicus - *Photia hejniana*
C. v. styriensis - *Photia hejniana*
Pseudosteropus globosus – *Globosophotia bettinae*
Sphodrus leucophthalmus - *Percanestrinia blaptis*
Tefflus purpuripennis – *Megacanestrinia beloniana*
Carabus sp. – *Percanestriniella caucasica*, *Paracanestrinia denmarkica*
Carabidae gen. sp. – *Megacanestrinia mucronata*

Fam. Cerambycidae

- Batocera albofasciata octomaculata* – *Canestriniella phoebinae*
B. celebiana - *Canestriniella physsana*
B. ferruginea – *Canestriniella elae*
B. hector – *Canestriniella amplexans*
B. humilidens – *Canestriniella physsana*
B. lunulata – *Canestriniella togata*
B. procera - *Canestriniella togata*
Brazilianus batus – *Phriknodora pustulosa*
B. brazilianus - *Phriknodora pustulosa*
Cerambyx cerdo – *Dicanestrinia cerambycis*
Lagocheirus foveolatus – *Thopia pannucea*
Neoptychodes trilineatus – *Thopia bulbocaudata*
Sternotomis bohemani – *Anaspistes unguiculatus*
Taeniotes scalatus – *Thopia tenax*
Trachyderes succinctus – *Phriknodora scabra*
Xylotrupes asperulus – *Aurilossongia bolanica*
Xylotrupes sp. – *Aurilossongia gaurana*, *A. hoarica*
Cerambycidae gen. sp. – *Chelinophora dictyophora*

Fam. Chrysomelidae

- Acromis nebulosa* – *Ennodithiana penelopae*
A. sparsa - *Teklathiana onnae*, *T. rugosita*
A. spinifex – *Ennodithiana medoni*
Agenyssa caedemadens – *Ovarrothiana ozannae*
A. crassicornis - *Ovarrothiana ozannae*

- Alurnus bipunctatus* - *Gasuthiana olareica*
A. boulsardi - *Gasuthiana olareica*
A. clysianus - *Gassuthiana abapoica*
Anacassis cribrum - *Olafithiana adelinae*
A. fuscata - *Grandiella tacjannae*
Botanochara angulata - *Grandiella tacjannae*
B. bonariensis - *Grandiella tacjannae*
B. convexiuscula - *Grandiella tacjannae*
B. duodecimverrucata - *Grandiella tacjannae*
B. impressa - *Grandiella tacjannae*
B. macularia - *Grandiella tacjannae*
B. nervosa - *Grandiella tacjannae*
B. regina - *Grandiella tacjannae*
B. ruforeticulata - *Grandiella tacjannae*
B. sanguinea - *Grandiella tacjannae*
B. sedecimpustulata - *Grandiella tacjannae*
B. tessellata - *Grandiella tacjannae*
B. texta - *Grandiella tacjannae*
Canistra carbonaria - *Grandiellopsis arriani*
C. cruentata - *Grandiellopsis violae*
C. osculatii - *Grandiellopsis alani*, *G. canistra*
C. plagosa - *Arrunsithiana spicantis*
Charidotella kesseli - *Sabothiana reidari*
Ch. (= Metriona) testudinacea - *Olafithiana iwettae*
Charidotis furunculus - *Sabothiana riccardoi*
Charidotis sp. - *Sabothiana boi*
Chelymorpha comata - *Bibulothiana albertae*
Ch. Infecta - *Bibulothiana cyriaki*
Ch. inflata - *Bibulothiana everittae*
Ch. nigricollis - *Bibulothiana cyriaki*
Ch. rufoguttata - *Bibulothiana everittae*
Ch. vermiculata - *Bibulothiana cyriaki*
Chrysolina fastuosa - *Paramansia bicornis*
Ch. mentastri - *Paramansia bicornis*, *P. mentastri*
Ch. polita - *Paramansia bicornis*
Coptocycla adamantina - *Grandiella tetracaudata*
C. contenta - *Grandiella decemcaudata*
C. nigropunctata - *Grandiella sicula*
C. wagneri - *Grandiella sicula*
Coptocycla sp. - *Ennodithiana platysma*
Crambelea illuderis - *Ennodithiana megesi*

- Cyclosoma mirabilis* – *Grandiellopsis orsenae*
C. paliata – *Grandiellopsis cyclosoma*
C. tristis – *Ovarothiana ludomiri*
Cyrtonota cyanea - *Grandiella tetracaudata*
C. dissecta – *Arrunsithiana ilosi*
C. latevittata – *Arrunsithiana artemoni*
C. punicea – *Grandiella soniae*
C. textilis - *Grandiella soniae*
C. thalassina - *Grandiella tetracaudata*
C. tigrina - *Grandiella tetracaudata*
C. tristigma – *Bibulothiana vatia*
Discomorpha batesi - *Grandiella gambosa*
D. lanuginosa pubescens - *Grandiella gambosa*
D. depilata - *Grandiella gambosa*
Dolichotoma conspersipennis - *Grandiella gambosa*
Dorynota pugionata – *Dorynothiana jurandi*
Dorynota sp. – *Dorynothiana delmari*
Echoma [as *Omoplata*] *marginata* – *Arrunsithiana escaudata*, *Grandiellina decemcaudata*
E. clypeata – *Grandiella tetracaudata*
E. confluens – *Grandiella marinae*
Elytrosphaera xanthopyga – *Olafithiana joliveti*
Eudicella gralli var. *meckowi* – *Paraphagella eudicellae*
E. smithi var. *bertherandi* – *Paraphagella eudicellae*, *P. minor*
Eugenysa andicola – *Ovarrothiana ozannae*
E. bacchus - *Ovarrothiana erazmi*
E. columbiana – *Ovarrothiana echinoderma*, *Arrunsithiana quadrata*
E. delicata - *Ovarrothiana nikodemi*
E. divalis – *Ovarrothiana nikodemi*
E. grossa - *Ovarrothiana erazmi*, *Arrunsithiana squarrosa*
E. venosa – *Ovarrothiana erazmi*, *Thopia amedae*
Eumolpus fulgidus - *Grandiella tetracaudata*
Goniochenia (*Baranosa*) *decolor* – *Grandiella rogeri*
G. (B.) heroldi - *Grandiella rogeri*
G. (B.) flavosparsa - *Grandiella longini*
Mecistomala marginatus – *Gassuthiana coarica*
M. nigripes – *Gassuthiana abufarica*
Metriona testudinacea – *Olafithiana iwettae*
Metrionella bilimeki - *Metrithiana bolebori*
Myocalaspis gentilis – *Ovarrothiana leopoldi*
Omaspides basilica - *Ennodithiana messalinae*
O. bistriata – *Teklathiana conula*

- Physonota alutacea* – *Acrotacarus alutaceus*, *A. mirabilis*
Ph. diluta – *Acrotacarus crataepus*
Plagiometriona ludiera – *Ennorithiana heliodori*
P. punctipennis – *Ennorithiana heliodori*
Polychalca dentipennis – *Thopia corinnae*
P. punctatissima – *Grandiellopsis odiosi*, *Thopia boguwolae*
Psalidonota contemta – *Ennodithiana maniusi*
P. dorsoplagiata – *Ennodithiana messalinae*
P. dorsopunctata – *Ennodithiana messalinae*
P. leprosa – *Ennodithiana messalinae*
Pycnocerus sp. – *Saniothiana pycnosa*
Stolas aenea – *Arrunsithiana quadrata*
S. antiqua – *Olafithiana multifida*
S. areolata – *Olafithiana foliacea*
S. aurosetosa – *Olafithiana multifida*
S. bifenestrata – *Bibulothiana brevispinata*
S. bipunctata – *Arrunsithiana quadrata*
S. bipustulata – *Bibulothiana brevispinata*
S. chalybaea – *Arrunsithiana spicantis*, *A. battosi*, *Grandiella tetracaudata*,
Olafithiana foliacea
S. coalita – *Grandiella soniae*
S. coerulescens – *Grandiella soniae*, *Bibulothiana brevispinata*
S. conspersa – *Olafithiana foliacea*, *Arrunsithiana battosi*, *A. spicantis*
S. cruentata – *Olafithiana multifida*, *Arrunsithiana battosi*
S. decemguttata – *Arrunsithiana arcuata*
S. demissa – *Arrunsithiana quadrata*
S. ephippium – *Bibulothiana brevispinata*
S. erichsoni – *Grandiella soniae*, *Arrunsithiana battosi*
S. esignata – *Arrunsithiana arcuata*
S. funebris – *Arrunsithiana battosi*, *A. spicantis*
S. gibbosa – *Arrunsithiana battosi*
S. huanocensis – *Arrunsithiana battosi*
S. ignita – *Arrunsithiana battosi*
S. imitans – *Arrunsithiana quadrata*
S. implexa – *Olafithiana foliacea*
S. impluviata – *Olafithiana foliacea*
S. inaequalis – *Arrunsithiana latipes*, *A. quadrata*
S. indigacea – *Arrunsithiana quadrata*
S. inexculta – *Arrunsithiana battosi*
S. lacunosa – *Olafithiana foliacea*
S. latevittata – *Arrunsithiana artemoni*
S. lebesi – *Arrunsithiana escaudata*, *Phriknodora avae*

- S. lenis* - *Olafithiana foliacea*, *Arrunsithiana battosi*
S. lineaticollis - *Bibulothiana brevispinata*
S. niobe - *Arrunsithiana battosi*
S. nudicollis - *Olafithiana foliacea*
S. oblita - *Olafithiana foliacea*, *Arrunsithiana battosi*
S. paranensis - *Olafithiana foliacea*, *Arrunsithiana battosi*
S. pectinata - *Arrunsithiana erinnae*
S. placida - *Grandiella soniae*
S. plagiata - *Bibulothiana brevispinata*
S. plagicollis - *Bibulothiana oswaldi*
S. pleurosticha - *Arrunsithiana battosi*
S. punicea - *Arrunsithiana escaudata*, *Grandiellina soniae*
S. redtenbacheri - *Arrunsithiana quadrata*
S. scoparia - *Arrunsithiana battosi*
S. subreticulata - *Olafithiana foliacea*
S. subrugosa - *Grandiella tetracaudata*
S. thoreyi - *Arrunsithiana quadrata*
Stolas sp. - *Arrunsithiana squarrosa*
Timarcha atlantica - *Pseudamansia chrysomelinus*
T. balearica - *Pseudamansia chrysomelinus*
T. goettingensis - *Pseudamansia chrysomelinus*, *P. decorata*
T. interstitialis - *Pseudamansia chrysomelinus*
T. nicaensis - *Pseudamansia chrysomelinus*
T. pauperata - *Pseudamansia chrysomelinus*
T. punctella - *Pseudamansia chrysomelinus*
T. rugosa - *Pseudamansia chrysomelinus*
T. tenebricosa - *Amansiella trilobata*, *Pseudamansia chrysomelinus*
Zatrephina lineata - *Averithiana anoni*
Hispirinae gen. sp. - *Peruthiana briannae*
Chrysomelidae gen. sp. - *Acrotacarus mirabilis*

Fam. Colydiidae

- Colydium* sp. - *Sandrophela dittae*

Fam. Elateridae

- Semiotus furcatus* - *Danaithiana ecuadorica*, *D. archidonaica*
S. imperialis - *Danaithiana chanchamayoica*
S. virgatus - *Danaithiana ayraica*

Fam. Lucanidae

- Cladognathus giraffa* - *Noemiphela izabelae*
Dorcus bucephalus - *Sandrophela spectanda*
D. paralellipedus - *Canestrinia dorcicola*
Eumelasomus sansibaricus - *Olgattia useguaica*

Eurytrachelus anthaeus – *Rugoniphela marloni*
Eurytrachelus bucephalus – *Rugoniphela marloni*
Eurytrachelus eurycephalus – *Rugoniphela marloni*, *Sandrophela amarae*
Eurytrachelus gypeatus – *Sandrophela amarae*
Eurytrachelus platymelus – *Sandrophela rodioni*
Eurytrachelus purpurescens – *Noemiphela barryi*
Hemisodorcus chevrilati – *Sandrophela sophiae*
Hemisodorcus [*Macrodera*] *rubrofemoratus* – *Uriophela arieli*
Metapodonotus bison – *Amboinophela bernaie*
Metapodonotus cinctus – *Amboinophela bernaie*
Odontolabis wollastoni – *Sandrophela hugoni*
Serrognathus platymelus – *Haitlingeria longilobata*
Telodorcus saiga – *Canestrinia microdisca*
 Lucanidae indet. – *Vereoxia bogeri*, *Cooremania kietaensis*

Fam. Passalidae

Aceraius grandis – *Apalotacarus aristatus*, *Melisia mariettae*, *M. salomeae*
A. grandis hirsutus – *Apalotacarus cristatus*, *Melisia superba*
A. helferi – *Melisia samsinaki*
A. laeicollis – *Melisia gabriellae*
A. mayeri – *Melisia melaniae*
Epiphanus indicus – *Melisia anomala*
E. stoliczkae – *Melisia anomala*, *M. klapaleki*
Eriocnemis tridens – *Apalotacarus sajanae*
Eumelasomus sansibaricus – *Olgattia useguaica*
Gonatus noviculator – *Teophyssa honoratae*
Labienus gigax – *Lidiophela igae*, *L. pelagiae*
L. ptox – *Apalotacarus fusulus*, *Lidiophela arnica*
Labienus sp. – *Passalophagus georgei*, *Lidiophela* [*Coleopterophagus*] *pecki*
Leptaulax bicolor formosanus – *Apalotacarus trullus*
L. indicus – *Shillongia marzenae*
Mastochilus australasiensis – *Apalotacarus luroris*
M. quaestionis – *Apalotacarus luroris*
Macrolinus nicobaricus – *Apalotacarus protensus*
M. weberi – *Apalotacarus scaurus*
Obiensis sp. – *Lidiophela* [*Coleopterophagus*] *pecki*
Pelopides mniszceki – *Melisia lombardinii*
P. tridens – *Apalotacarus fulgens*
Pharochilus dilatatus – *Apalotacarus luroris*
Ph. nitidulus – *Apalotacarus fusticulus*, *A. luroris*
Pleurarius brachyphyllus – *Apalotacarus echinatus*, *A. scissus*, *Phaleratus alatus*

Protomocoelus australis – *Apalotacarus cidaris*, *A. petilus*, *Sajanophela alfredae*,

Lidiophela [*Coleopterophagus*] *pecki*

P. triumphator – *Apalotacarus glaber*

Passalidae gen. sp. – *Apalotacarus gracilis*, *A. paxillus*, *A. rigescens*, *Arraphosoma minax*, *A. paraminax*, *Cnecoderma dolichopoda*, *C. ovalis*, *Hyllosiemia belerofoni*, *Jowitella barbarae*, *Jullongia izae*, *Lidiophela bognae*, *L. celinae*, *Melisia helenae*, *M. ingeborgae*, *M. irenae*, *M. jadvigae*, *M. leptinotarsa*, *M. rutae*, *M. sentosa*, *Tamarophela batjanica*

Fam. Passandridae

Passandra trigemina – *Sandrophela kokodaica*

Fam. Scarabaeidae

Caelorrhina thoreyi – *Pseudoparaphagella gerardi*

Cetonia aurata – *Coleopterophagus megnini*

Coglodera diaro – *Gioharattia caroae*

Coryphocera sp. – *Gioharattia caroae*

Dicronorhina micans – *Afrocanestrinia straeleni*, *Cetonicola hispidus*, *Paraphagella princeps*

D. oberthuri – *Boetophela robertsoni*

Diplognatha gagates – *Barbiangia elongata*

Elasocheilon haterospila – *Boetophela symeoni*

Eudicella smithi – *Boetophela ginae*

E. gralli var. *meckowi* – *Canestrinia hispidus*

Geynodonta laevi-plaga – *Boetophela silvanae*

Goliathus alborignathus – *Boetophela sybillae*

Goliathus goliathus – *Phelliculophela roaldi*

Ischipsophia olivacea – *Albinorattia igori*

Mecynorrhina [*Chelarrhina* – recte *Chelorrhina*] *savagei* – *Boetophela erhardi*,

Cetonicola isadorae, *Paraphagella indirae*

Meristomala marginatus – *Gasuthiana coarica*

M. nigriceps – *Gasuthiana abufarica*

Oryctes monoceros – *Athogavia gamana*, *A. tanzanica*

O. pyrrhus – *Athogavia nosiana*

Oryctes sp. – *Athogavia scagana*

Oxythirea funesta – *Canestrinia dorcicola*

Pachnoda abyssinica – *Tamarangia ethiopica*

P. carmelita – *Kahoorangia almae*

P. marginata – *Tamarangia ethiopica*, *T. fabiolae*, *T. flawiani*

P. thoracica – *Tamarangia nimphae*

Papuana woodlarkiana – *Oceogavia ubaldi*

Plaesiorrhina mhondana – *Boetophela werneri*

Poecilophila hebraea – *Cetonicola vatus*
P. maculatissima – *Sorbinophela sandyi*
Porphyrioneta cinnamonea – *Coleopterophagus pulcher*
Protaetia (Potosia) aerata – *Coleopterophagus belzebubi*
Protaetia (Potosia) affinis – *Coleopterophagus donaldi*, *C. megnini*
Protaetia (Potosia) brevitarsis – *Coleopterophagus rudolfi*
Protaetia (Potosia) cuprea – *Coleopterophagus dionizyi*
Protaetia (Potosia) cuprea ignicollis – *Coleopterophagus megnini*
Protaetia (Potosia) cuprea cuprea – *Coleopterophagus megnini*
Protaetia (Potosia) cuprea obscura – *Coleopterophagus megnini*
Protaetia (Potosia) cuprina – *Coleopterophagus megnini*
Protaetia (Potosia) fieberi – *Coleopterophagus megnini*
Protaetia (Potosia) metallica – *Coleopterophagus megnini*, *C. albini*
Protaetia (Potosia) speciosa – *Coleopterophagus baali*
Protaetia (Potosia) speciosa jousneli – *Coleopterophagus maroni*
Protaetia (Cetonischema) aeruginosa – *Coleopterophagus albini*, *C. maroni*
Protaetia (Eupotosia) affinis – *Coleopterophagus donaldi*, *C. megnini*
Protaetia (Liocola) marmorata – *Coleopterophagus albini*
Rhabdotis sobrina – *Diplognathophilus africanus*
Scarabaeus variolosus – *Scarabiphobia vignoni*
Smaragdesthes africana mutica – *Paraphagella princeps*
S. oertzeni – *Afrocanestrinia rufinae*
Stephanorrhina guttata – *Cetonicola maritae*, *Paraphagella odae*
Tmesorrhina iris – *Cetonicola orestesi*, *Paraphagella ingridae*
Trichogomphus lunicollis – *Vandeinella opressa*
T. milon – *Hargeinella poppana*, *Vandeinella adriassae*
T. nartolani – *Athogavia assamica*
“*Scarabeus*” *centaurus* – *Coleopterophagus neglectus*
Scarabaeidae (Cetoniinae) – *Babiangia alvari*, *B. ethiopica*, *Boetophela cassandrae*, *B. ephraimi*, *Coleopterophagus quadrisetosus*
Scarabaeidae (Dynastinae) – *Athogavia arybbasi*, *Aurilossongia fileasi*
Scarabaeidae gen. sp. – *Anaspistes unguiculatus*

Fam. Tenebrionidae

Amarygmus striatus – *Lidiophela pauliana*
Blaps appendiculata – *Camirohylla feziana*
B. gibbosa – *Percanestrinia blaptis*, *P. izabelae*
B. hejconota cortosa – *Percanestrinia norodomi*
B. lethifera – *Percanestrinia blaptis*
B. mucronata – *Percanestrinia maroccana*
B. occulta – *Percanestrinia blaptis*
B. pinguis – *Percanestrinia maroccana*
B. polychresta – *Percanestrinia egypti*

- B. producta* - *Percanestrinia maroccana*
B. punctata - *Percanestrinia blaptis*
Blaps sp. – *Ibizella* [*Canestrinia*] *samsinaki*, *Ibizella balearica*
Damatria formosus – *Ambylohylla favosa*
Dila sp. - *Camirohylla* sp.
Gnaptor sp. – *Ibizella* [*Canestrinia*] *samsinaki*
Metallonotus metallicus – *Boleohylla garrica*
Nyctobates gigas - *Hatohylla morrata*
N. maximus – *Hatohylla bahiana*
Nyctobates sp. – *Grandiella* [*Hatohylla*] *rosascostai*
Odontopezus cupreus – *Donnelaphontia cuatoha*
Odontopezus cupreus lucens - *Saniothiana barumbaica*
Psammodes carbonarius – *Boleohylla kiogana*
Tenebrionidae gen. sp. – *Bicercicola bertrami*, *Gasuthiana melillae*, *Hatohylla bibiannae*
Coleoptera indet. – *Ennodithiana platysma*, *Grandiella rugosita*, *Melisia baloghi*, *M. helenae*, *Phaleratus fentoni*

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The Mite Family Chetochelacaridae Fain

Chetochelacaridae Fain, 1987: 161

One genus and species of African mites associated with Diplopoda.

Fam. **Chetochelacaridae** Fain

Chetochelacaridae Fain, 1987: 161

Type genus: *Chetochelacarus* Fain, 1987

Genus **Chetochelacarus** Fain

Chetochelacarus Fain, 1987: 162

Type species: *Chetochelacarus mamillatus* Fain, 1987

Chetochelacarus mamillatus Fain

Chetochelacarus Fain, 1987: 162

Type locality: Kivu, Djuma Valley

Distribution: D.R. Congo (former Zaire)

Host: millipede (Diplopoda: Julidae)

Index of Chetochelacaridae

(Names in **bold** are accepted as valid)

Chetochelacaridae 243

mamillatus, **Chetochelacarus** 243

Chetochelacarus 243

Distribution of Chetochelacaridae

AFRICA

D.R. Congo (Fain, 1987) – *Chetochelacarus mamillatus*

Hosts of Chetochelacaridae

Myriapoda

Diplopoda

Julida

Fam. Julidae

Gen. sp. indet. - *Chetochelacarus mamillatus*

Bibliography of Chetochelacaridae

Fain A. 1987. Notes on mites associated with Myriapoda 1. Three new astigmatic mites from Afrotropical Myriapoda (Acari, Astigmata). – Bull. Inst. R. Sci. Nat. de Belgique, Entomologie, 57: 161–172.

The Mite Family Lophonotacaridae Fain

Lophonotacaridae Fain, 1987: 163

One genus and species of African mites associated with Diplopoda.

Family **Lophonotacaridae** Fain

Lophonotacaridae Fain, 1987: 163

Type genus: *Lophonotacarus* Fain, 1987

Genus ***Lophonotacarus*** Fain

Lophonotacarus Fain, 1987: 164

Type species: *Lophonotacarus minutus* Fain, 1987

Lophonotacarus minutus Fain

Lophonotacarus minutus Fain, 1987: 164

Type locality: Transkei, District Lusikisiki, Mouth of Riv. Mzimhlava

Distribution: South Africa

Host: millipede (Diplopoda: Glomeridae)

Index of Lophonotacaridae

(Names in **bold** are accepted as valid)

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minutus, ***Lophonotacarus*** 245

Lophonotacarus 245

Distribution of Lophonotacaridae

AFRICA

South Africa (Fain, 1987) – *Lophonotacarus minutus*

Hosts of Lophonotacaridae

Myriapoda

Diplopoda

Glomerida

Fam. Glomeridae

Gen. sp. indet. - *Chetochelacarus mamillatus*

Bibliography of Lophonotacaridae

Fain A. 1987. Notes on mites associated with Myriapoda 1. Three new astigmatic mites from Afrotropical Myriapoda (Acari, Astigmata). – Bull. Inst. R. Sci. Nat. de Belgique, Entomologie, **57**: 161–172.

The Mite Family Heteroptidae Fain

Heteroptidae Fain, 1961: 91

Mites associated with chrysomelid beetles (Cassidinae and Hispinae), other Coleoptera (Lycidae, Erotylidae, Passandridae) and Hymenoptera (Apidae, Sphecidae), mostly in the Afritropical and Indomalayan Regions. The first genus and species (*Heteroptes tarsii* Fain, 1967) has been found on *Tarsius* (Mammalia: Primates)(chance host ?). Haitlinger described since 1990 10 of the 12 genera, known so far, and most of the species from Africa, Madagascar, South Asia, Peru, Australia, New Guinea and other tropical areas.

Composition of Heteroptidae

Fam. **Heteroptidae** Fain, 1967–13 gen., 39 sp.

- Abboticoptes* Haitlinger, 1996–1 sp.
- Amarucoptes* Haitlinger, 2001–1 sp.
- Bahrucoptes* Haitlinger, 1999 – 1 sp.
- Cassiocoptes* Haitlinger, 1996–1 sp.
- Conchycoptes* Haitlinger, 2002–1 sp.
- Erotylocoptes* Fain, 1987–7 sp.
- Gascaricoptes* Haitlinger, 2002–1 sp.
- Heteroptes* Fain, 1967–15 sp.
- Honiarrea* Haitlinger, 1990–1 sp.
- Kamerucoptes* Haitlinger, 2002–5 sp.
- Nolaecoptes* Haitlinger, 1996–2 sp.
- Tannuicoptes* Haitlinger, 1999–2 sp.
- Uvallicoptes* Haitlinger, 1999–1 sp.

Catalogue of Heteroptidae

Family **Heteroptidae** Fain

Heteroptidae Fain, 1967: 91

Type genus: *Heteroptes* Fain, 1967

Genus ***Abboticoptes*** Haitlinger

Abboticoptes Haitlinger, 1996: 988

Type species: *Abboticoptes eddae* Haitlinger, 1996

Abboticoptes eddae Haitlinger*Abboticoptes eddae* Haitlinger, 1996: 988

Type locality: Philippines

Distribution: Philippines

Host: *Aspidomorpha quadrilobata* (Coleoptera: Chrysomelidae, Cassidinae)Genus ***Amarucoptes*** Haitlinger*Amarucoptes* Haitlinger, 2001: 112Type species: *Amarucoptes eddae* Haitlinger, 2001***Amarucoptes busannae*** Haitlinger*Amarucoptes busannae* Haitlinger, 2001: 113

Type locality: 30 km east from Puerto Maldonado, at river Madre de Dios

Distribution: Peru

Host: Coleoptera: Passalidae indet.

Genus ***Bahrucytes*** Haitlinger*Bahrucytes* Haitlinger, 1999: 60Type species: *Bahrucytes amaliae* Haitlinger, 1999***Bahrucytes amaliae*** Haitlinger*Bahrucytes amaliae* Haitlinger, 1999: 60

Type locality: Kota Bahru

Distribution: Malaysia

Host: *Aspidomorpha elevata* (Coleoptera: Chrysomelidae, Cassidinae)Genus ***Cassiocytes*** Haitlinger*Cassiocytes* Haitlinger, 1996: 986Type species: *Cassiocytes mikki* Haitlinger, 1996***Cassiocytes mikki*** Haitlinger*Cassiocytes mikki* Haitlinger, 1996: 986

Type locality: Soekaranda (Sumatra)

Distribution: Indonesia (Sumatra)

Host: *Lasiochila fallax* (Coleoptera: Chrysomelidae, Hispinae)Genus ***Conchyocytes*** Haitlinger*Conchyocytes* Haitlinger, 2002: 25Type species: *Conchyocytes tangaicus* Haitlinger, 2002***Conchyocytes tangaicus*** Haitlinger*Conchyocytes tangaicus* Haitlinger, 2002: 25

Type locality: Tanga

Distribution: Tanzania

Host: *Conchyloctenia hybrida* (Coleoptera: Chrysomelidae, Hispinae)

Genus ***Erotylocoptes*** Fain

Erotylocoptes Fain, 1987: 244

Type species: *Erotylocoptes linodesmus* Fain, 1987

Erotylocoptes anthophora Fain

Erotylocoptes anthophora Fain, 1987: 251

Type locality: Mobwasa

Distribution: DR Congo [Zaire]

Host: *Anthophora acraensis* (Hymenoptera, Apidae)

Erotylocoptes helenae Haitlinger

Erotylocoptes helenae Haitlinger, 1996: 980

Type locality: ?Radbarg (RSA)

Distribution: Mozambique, South Africa

Hosts: *Lacoptera rugosicollis* (Coleoptera: Chrysomelidae, Cassidinae)

Erotylocoptes linodesmus Fain

Erotylocoptes linodesmus Fain, 1987: 244

Type locality: Mediakoko

Distribution: DR Congo [Zaire]

Host: *Linodesmus coccus apicalis* (Coleoptera, Erotylidae)

Erotylocoptes luluensis Fain

Erotylocoptes luluensis Fain, 1987: 252

Type locality: Lulua-Kapanga

Distribution: DR Congo [Zaire]

Host: *Chlorion (Isodontia) simoni* (Hymenoptera, Sphecidae)

Erotylocoptes taorettae Haitlinger

Erotylocoptes taorettae Haitlinger, 1996: 981

Type locality: ?Pugu

Distribution: Tanzania

Host: *Lacoptera aurosa* (Coleoptera: Chrysomelidae, Cassidinae)

Erotylocoptes verenae Haitlinger

Erotylocoptes verenae Haitlinger, 1996: 982

Type locality: Congo (Brazaville)

Distribution: Congo (Brazaville)

Host: *Laccoptera caduca* (Coleoptera: Chrysomelidae, Cassidinae)

Genus ***Gascaricoptes*** Haitlinger

Gascaricoptes Haitlinger, 2002: 22

Type species: *Gascaricoptes analevelonaicus* Haitlinger, 2002

Gascaricoptes analevelonaicus Haitlinger

Gascaricoptes analevelonaicus Haitlinger, 2002: 22

Type locality: Analavelona

Distribution: Madagascar

Host: *Cassida fuscomacula* (Coleoptera: Chrysomelidae, Cassidinae)

Genus ***Heterocoptes*** Fain

Heterocoptes Fain, 1967: 94

Type species: *Heterocoptes tarsii* Fain, 1967

Heterocoptes barbarae Haitlinger

Heterocoptes barbarae Haitlinger, 2009: 334

Type locality: New Britain, Gazelle Peninsula

Distribution: Papua New Guinea (New Britain)

Host: *Aspidomorpha aurata* (Coleoptera: Chrysomelidae, Cassidinae)

Heterocoptes floresiensis Haitlinger

Heterocoptes floresiensis Haitlinger, 2009: 62

Type locality: Flores

Distribution: Indonesia (Flores)

Host: *Aspidimorpha indica* (Coleoptera: Chrysomelidae, Cassidinae)

Heterocoptes hanna Haitlinger

Heterocoptes hanna Haitlinger, 1998: 5

Type locality: Shanghai

Distribution: China

Host: *Basipronota bisignata* (Coleoptera: Chrysomelidae, Cassidinae)

Heterocoptes ingeri Haitlinger

Heterocoptes ingeri Haitlinger, 1999: 67

Type locality: South Luzon

Distribution: Philippines

Host: *Laccoptera tredecimguttata* (Coleoptera: Chrysomelidae, Cassidinae)

Heterocoptes kamillae Haitlinger

Heterocoptes kamillae Haitlinger, 1998: 8

Type locality: ? Solim-Ho, Yunnan

Distribution: China (Yunnan)

Host: *Aspidimorpha miliaris* (Coleoptera: Chrysomelidae, Cassidinae)

Heterocoptes lombokensis Haitlinger

Heterocoptes lombokensis Haitlinger, 2009: 326

Type locality: Lombok, Senggigi

Distribution: Indonesia (Lombok, Bali, Java)

Hosts: *Aspidimorpha sanctaecrucis*, *A. miliaris* (Coleoptera: Chrysomelidae, Cassidinae)

Heterocoptes lottae Haitlinger

Heterocoptes lottae Haitlinger, 1996: 985; 1999: 72

Type locality: North Vietnam

Distribution: Malaysia, Vietnam

Host: *Laccoptera hospita*, *Aspidomorpha elevata* (Coleoptera: Chrysomelidae, Cassidinae)

Heterocoptes marcellae Haitlinger

Heterocoptes marcellae Haitlinger, 2009: 336

Type locality: South Sulawesi

Distribution: Indonesia (Sulawesi)

Host: *Aspidimorpha amabilis* (Coleoptera: Chrysomelidae, Cassidinae)

Heterocoptes nolae Haitlinger

Heterocoptes nolae Haitlinger, 1996: 983

Type locality: Andaman Is.

Distribution: India (Andaman Is.)

Host: *Aspidomorpha inquinata* (Coleoptera: Chrysomelidae, Cassidinae)

Heterocoptes rukaensis Haitlinger

Heterocoptes rukaensis Haitlinger, 1999: 70

Type locality: Ruka

Distribution: Papua New Guinea

Host: *Aspidimorpha punctum* (Coleoptera: Chrysomelidae, Cassidinae)

Heterocoptes ruperti Haitlinger

Heterocoptes ruperti Haitlinger, 2009: 64

Type locality: ? Liangages, Sumatra

Distribution: Indonesia (Sumatra)

Host: *Platypria echinogale* (Coleoptera: Chrysomelidae, Hispinae)

Heterocoptes samueli Haitlinger

Heterocoptes samueli Haitlinger, 2009: 332

Type locality: "New Territory", Darwin

Distribution: Australia

Host: *Aspidomorpha quadriradiata* (Coleoptera: Chrysomelidae, Cassidinae)

Heterocoptes simonettae Haitlinger

Heterocoptes simonettae Haitlinger, 1999: 70

Type locality: Papua New Guinea

Host: *Aspidomorpha punctata* (Coleoptera: Chrysomelidae, Cassidinae)

Heterocoptes sumatrensis Haitlinger

Heterocoptes sumatrensis Haitlinger, 2009: 329

Type locality: Sumatra, Soekaranda

Distribution: Indonesia (Sumatra)

Host: *Basipronota decemmaculata* (Coleoptera: Chrysomelidae, Cassidinae)

Heterocoptes tarsii Fain

Heterocoptes tarsii Fain, 1967: 94; Haitlinger, 1996: 985; 2009: 69

Type locality: Sarawak (Malaysia)

Distribution: India (Assam), Indonesia (Bali, Sanur, Lombok, Java, Sumatra, Ceram),
Malaysia (Sarawak, Perak), Philippines

Hosts: *Aspidomorpha elevata*, *A. sanctaecrucis* (Coleoptera: Chrysomelidae, Cassidinae);
described from *Tarsius* sp. (Primates: Tarsiidae)

Genus ***Honiarrea*** Haitlinger

Honiarrea Haitlinger, 1990: 343

Type species: *Honiarrea lagossa* Haitlinger, 1990

Honiarrea lagossa Haitlinger

Honiarrea lagossa Haitlinger, 1990: 343

Type locality: Hainan Is.

Distribution: China (Hainan Is.)

Host: *Passandra heros* (Coleoptera: Passandridae)

Genus ***Kamerucoptes*** Haitlinger

Kamerucoptes Haitlinger, 2002: 8

Type species: *Kamerucoptes doubeicus* Haitlinger, 2002

Kamerucoptes doubeicus Haitlinger

Kamerucoptes doubeicus Haitlinger, 2002: 8

Type locality: Doube

Distribution: Cameroon

Host: *Aspidimorpha obovata* (Coleoptera: Chrysomelidae, Cassidinae)

***Kamerucoptes lycius* Haitlinger**

Kamerucoptes lycius Haitlinger, 2002: 13

Type locality: D.R. Congo

Distribution: D.R. Congo

Host: Lycidae gen. sp. (Coleoptera)

***Kamerucoptes ruvenzoricus* Haitlinger**

Kamerucoptes ruvenzoricus Haitlinger, 2002: 13

Type locality: Ruvenzori, Mutwanga

Distribution: Uganda

Host: *Aspidimorpha dissentonea* (Coleoptera: Chrysomelidae, Cassidinae)

***Kamerucoptes sibuticus* Haitlinger**

Kamerucoptes sibuticus Haitlinger, 2002: 16

Type locality: N'Chari, Fort Sibut

Distribution: Tshad

Host: *Laccoptera (Patrisma) murrayi* (Coleoptera: Chrysomelidae, Cassidinae)

***Kamerucoptes tsaratananaicus* Haitlinger**

Kamerucoptes tsaratananaicus Haitlinger, 2002: 19

Type locality: Mts Tsaratanana, 2000 m

Distribution: Madagascar

Host: *Cassida pretiosa* (Coleoptera: Chrysomelidae, Cassidinae)

Genus *Nolaecoptes* Haitlinger

Nolaecoptes Haitlinger, 1996: 987

Type species: *Nolaecoptes vonettae* Haitlinger, 1996

***Nolaecoptes tanahlotions* Haitlinger**

Nolaecoptes tanahlotions Haitlinger, 2009: 324

Type locality: Bali, Tanahlot

Distribution: Indonesia (Bali)

***Nolaecoptes vonettae* Haitlinger**

Nolaecoptes vonettae Haitlinger, 1996: 987

Type locality: Sikkim

Distribution: India (Sikkim)

Host: *Aspidomorpha sanctaecrucis* (Coleoptera: Chrysomelidae, Cassidinae)

Genus ***Tannuicoptes*** Haitlinger

Tannuicoptes Haitlinger, 1999: 62

Type species: *Tannuicoptes ulfi* Haitlinger, 1999

Tannuicoptes jeroni Haitlinger

Tannuicoptes jeroni Haitlinger, 1999: 65

Type locality: Indonesia

Distribution: Indonesia

Host: *Corynodes compressicornis* (Coleoptera: Chrysomelidae, Eumolpinae)

Tannuicoptes ulfi Haitlinger

Tannuicoptes ulfi Haitlinger, 1999: 62

Type locality: Sikkim

Distribution: India (Sikkim)

Host: *Aspidomorpha dorsata* (Coleoptera: Chrysomelidae, Cassidinae)

Genus ***Uvallicoptes*** Haitlinger

Uvallicoptes Haitlinger, 1999: 62

Type species: *Uvallicoptes peeteri* Haitlinger, 1999

Uvallicoptes peeteri Haitlinger

Uvallicoptes peeteri Haitlinger, 1999: 62

Type locality: ? Small Gela, Florida Is., Solomon Islands

Distribution: Solomon Islands, Indonesia [Sumatra]

Host: *Aspidomorpha adhaerens* (Coleoptera: Chrysomelidae, Cassidinae)

Index of Heterocoptidae

(Names in **bold** are accepted as valid)

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Distribution of Heterocoptidae

AFRICA

- Cameroon** (Haitlinger, 2002) – *Kamerucoptes doubeicus*
Congo (Brazzaville) (Haitlinger, 1996) – *Erotylocoptes verenae*
Congo DR (Fain, 1987; Haitlinger, 2002) – *Erotylocoptes anthophora*, *E. linodesmus*, *E. luluensis*, *Kamerucoptes lycius*
Madagascar (Haitlinger, 2002) – *Gascaricoptes anavevelonaicus*, *Kamerucoptes tsaratananaicus*
Mozambique (Haitlinger, 1996) – *Erotylocoptes helenae*
South Africa (Haitlinger, 1996) – *Erotylocoptes helenae*
Tanzania (Haitlinger, 1996, 2002) – *Conchycoptes tangaicus*, *Erotylocoptes taorettae*
Tshad (Haitlinger, 2002) – *Kamerucoptes sibuticus*
Uganda (Haitlinger, 2002) – *Kamerucoptes ruvenzoricus*

ASIA

- China** (Haitlinger, 1998; Fan, Chen & Wang, 2010) – *Heterocoptes hanna*, *H. kamillae*
Hainan (Haitlinger, 1990) – *Honiarrea lagossa*
India (Fain, 1967; Haitlinger, 1996, 1999) – *Heterocoptes tarsii*, *Nolaecoptes vonettae*, *Tannuicoptes ulfi*
Andaman Is. (Haitlinger, 1996) – *Heterocoptes nolae*
Indonesia (Haitlinger, 1996, 1999; 2009a) – *Cassiicoptes mikki* [Sumatra], *Heterocoptes floresiensis* [Flores], *H. lombokensis* [Lombok, Bali, Java], *H. marcellae* [Sulawesi],

H. rupertii [Sumatra], *H. sumatrensis* [Sumatra], *H. tarsii* (Bali, Sanur, Lombok, Sumatra, Java, Ceram), *Nolaecoptes tanahloticus* [Bali], *Uvallicoptes peeteri* [Sumatra], *Tannuicoptes jeroni*

Malaysia (Fain, 1967; Haitlinger, 1999) – *Bahrucoptes amaliae*, *Heterocoptes tarsii*

Sarawak and Sabah (Fain, 1967) – *Heterocoptes tarsii*

Philippines (Haitlinger, 1996, 1999) – *Abboticoptes eddae*, *Heterocoptes ingeri*, *H. tarsii*,

Vietnam (Haitlinger, 1996) – *Heterocoptes lottae*

NORTH AMERICA

Canada (Beaulieu et al., 2019) – *one unidentified sp.*

SOUTH and CENTRAL AMERICA

Peru (Haitlinger, 2001) – *Amarucoptes busannae*

OCEANIA

Australia (Haitlinger, 2009a) – *Heterocoptes samueli*

Papua New Guinea (Haitlinger, 1999, 2009) – *Heterocoptes simonettae*, *H. rukaensis*

New Britain (Haitlinger, 2009a) – *Heterocoptes barbarae*

New Ireland – *Uvallicoptes peeteri*

Solomon Islands (Haitlinger, 1999) – *Uvallicoptes peeteri*

Hosts of Heterocoptidae

Insecta

Coleoptera

Fam. Chrysomelidae

Subfam. Hispinae

Conchyloctenia hybrida – *Conchyloptes tangaicus*

Lasiochila sp. – *Cassiocoptes mikki*

Platypria echinogale – *Heterocoptes rupertii*

Subfam. Cassidinae

Aspidimorpha adhaerens – *Uvallicoptes peeteri*

Aspidimorpha amabilis – *Heterocoptes marcellae*

Aspidimorpha dissentonea – *Kamerucoptes ruvenzoricus*

Aspidimorpha dorsata – *Tannuicoptes ulfi*

Aspidimorpha elevata – *Bahrucoptes amaliae*, *Heterocoptes tarsii*

Aspidimorpha fuscopunctata – *Uvallicoptes peeteri*

Aspidimorpha inquinata – *Heterocoptes nolae*

Aspidimorpha miliaris – *Heterocoptes kamillae*, *H. lombokensis*

Aspidimorpha obovata – *Kamerucoptes doubeicus*

Aspidimorpha punctum – *Heterocoptes simonettae*

Aspidimorpha quadrilobata – *Abboticoptes edda*
Aspidimorpha quadriradiata – *Heterocoptes samueli*
Aspidimorpha sanctaecrucis – *Heterocoptes lombokensis*, *H. tarsii*, *No-laecoites tanahloticus*, *N. vonettae*
Aspidimorpha socia – *Heterocoptes barbarae*
Basipronota bisignata – *Heterocoptes hanna*
Basipronota decemmaculata – *Heterocoptes sumatrensis*
Cassida fuscomacula – *Gascaricoptes analevelonaicus*
Cassida pretiosa – *Kamerucoptes tsaratanaiaicus*
Lacoptera aurosa – *Erotylocoptes taorettae*
Lacoptera caduca – *Erotylocoptes verena*
Lacoptera hospita – *Heterocoptes lottae*
Lacoptera (Patrisma) murrayi – *Kamerucoptes sibuticus*
Lacoptera rugosicollis – *Erotylocoptes helenae*
Lacoptera tredecimguttata – *Heterocoptes ingeri*

Subfam. **Eumolpinae**

Corynodes compressicornis – *Tannuicoptes jeroni*

Fam. Erotylidae

Linodesmus coccus apicalis – *Erotylocoptes linodesmus*

Fam. Lycidae gen. sp. – *Kamerucoptes lycius*

Fam. Passandridae

Passandra heros – *Honiarrea lagossa*

Fam. Passalidae gen.sp. – *Amarucoptes busannae*

Hymenoptera

Fam. Apidae

Anthophora acraensis – *Erotylocoptes anthophora*

Fam. Sphecidae

Chlorion (Isodontia) simoni – *Erotylocoptes luluensis*

Mammalia

Primates

Fam. Tarsiidae

Tarsius sp. – *Heterocoptes tarsii*

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The Mite Superfamily Hemisarcoptoidea

According to O'Connor (2009), the superfamily contains the families Chaetodactylidae, Hyadesiidae, Carpoglyphidae, Algophagidae, Hemisarcoptidae and Winterschmidtidae, or in total 51 genera and ca. 345 species. Some of them (Chaetodactylidae) live on Hymenoptera, some (Hyadesiidae, Algophagidae) prefer the sea shore and the saline habitats. Hemisarcoptidae are found to live as parasites on Insects (Coccoidea, Coleoptera – Chrysomelidae, Coccinellidae) and some of them are used for the pest control. Carpoglyphidae and Winterschmidtidae are inhabitants of rotten materials, sometimes found also on insects.

The Mite Family Chaetodactylidae

Glyciphagidae (Chaetodactylinae) Zachvatkin, 1941: 347

Chaetodactylidae Zachvatkin: Baker, 1962: 229 (part.); Klimov & OConnor, 2008: 98

Obligate associates of long-tongued bees (OConnor & Klimov, 2009). From the five known genera in the family the first (*Chaetodactylus* Rondani) has been described as early as in 1866, but remained the only one until Oudemans (1905) described (based on *Pediculus cerambycinus* Scopoli, 1763) the large genus *Sennertia*, revised much later by Fain (from 1966 to 2001). The thorough study of the family starts with the results of B. OConnor and P. Klimov, who published generic revision of the group (OConnor, 1993) and very detailed monograph (Klimov & OConnor, 2008), containing the history of the research on Chaetodactylidae until this time. As early as in 1903 Tschitscherin separated these mites in a group Chaetodactylini. Zachvatkin (1941) considered Chaetodactylinae as subfamily of Glyciphagidae and Baker (1962) raised them in a family rank. Meanwhile some other authors contributed to the taxonomy and/or the biology of Chaetodactylidae (Womersley, 1941, Vitzthum, 1941, Elbadry, 1971, Delfinado & Baker, 1976, Sherbef & El-Duweini, 1980, Baker & Delfinado-Baker, 1983, Haitlinger, 1999, 2000, Kurosa, 1987, 2003, Ramaraju & Mohanasundaram, 2001, and others).

Composition of Chaetodactylidae

Fam. Chaetodactylidae Zachvatkin, 1941–5 genera, 109 sp.

Achaetodactylus Fain, 1981–3 sp.

Centriacarus Klimov et OConnor, 2007–2 sp.

Chaetodactylus Rondani, 1866–26 sp.

Roubikia OConnor, 1993–4 sp.

Sennertia Oudemans, 1905–72 sp.

Catalogue of Chaetodactylidae

Fam. Chaetodactylidae Zachvatkin

Glyciphagidae (Chaetodactylinae) Zachvatkin, 1941: 347

Chaetodactylidae Zachvatkin; Baker, 1962: 229 (par.); Klimov & OConnor, 2008 : 98

Type genus: *Chaetodactylus* Rondani, 1866

Genus *Achaetodactylus* Fain

Achaetodactylus Fain, 1981a: 2 (as subgenus)

Achaetodactylus Fain: Klimov et al., 2007a: 1370 (as genus)

Chaetodactylus (*Ochaetodactylus*) Fain, 1981b: 2. Type species *Chaetodactylus decellei* Fain, 1974

Type species: *Chaetodactylus leleupi* Fain, 1974

***Achaetodactylus ceratinae* (Fain)**

Chaetodactylus ceratinae Fain, 1974a: 214

Chaetodactylus (*Achaetodactylus*) *ceratinae* Fain, 1981a: 4

Achaetodactylus ceratinae (Fain): Klimov et al., 2007a: 1371; Klimov & OConnor, 2008: 215

Type locality: Nairobi

Distribution: Kenya, South Africa, Tanzania

Hosts: *Ceratina apaca*, *Ceratina* (*Hirashima*) *lativentris*, *C. (H.) nigriceps* (Hymenoptera: Apidae, Xylocopinae)

***Achaetodactylus decellei* (Fain)**

Chaetodactylus decellei Fain, 1974: 215

Chaetodactylus (*Ochaetodactylus*) *decellei*: Fain, 1981a: 8

Ochaetodactylus decellei: Klimov et al., 2007a: 1371

Achaetodactylus decellei (Fain): Klimov & OConnor, 2008: 216

Type locality: Ngurdoto Nat. Park, Tanzania

Distribution: Cameroon, DR Congo, Tanzania

Hosts: *Ceratina aereola*, *C. excavata*, *C. spilota* (Hymenoptera: Apidae, Xylocopinae)

***Achaetodactylus leleupi* (Fain)**

Chaetodactylus leleupi Fain, 1974: 214

Chaetodactylus (*Achaetodactylus*) *leleupi*: Fain, 1981a: 4; Fain & Pauly, 2001: 131

Achaetodactylus leleupi (Fain): Klimov et al., 2007a: 1371; Klimov & OConnor, 2008: 215

Type locality: Karen, Nairobi (Kenya)

Distribution: Cameroon, DR Congo, Kenya, Tanzania

Hosts: *Ceratina* (*Hirashima*) *lativentris*, *Ceratina diloloensis*, *C. ruwenzorica*, *C. spilota* (Hymenoptera: Apidae, Xylocopinae)

Genus *Centriacarus* Klimov et OConnor

Centriacarus Klimov & OConnor, 2007: 816

Type species: *Centriacarus turbator* Klimov et OConnor, 2007

***Centriacarus guahibo* Klimov et OConnor**

Centriacarus guahibo Klimov & OConnor, 2007: 817; Klimov et al., 2007a: 1371; 2008: 216

Type locality: Territorio Amazonas

Distribution: Venezuela

Host: *Centris* sp. (Hymenoptera: Apidae, Apinae)

Centriacarus turbator Klimov et OConnor

Centriacarus turbator Klimov & OConnor, 2007: 816; Klimov et al., 2007a: 1371; Klimov & OConnor, 2008: 216

Type locality: Mato Grosso de Sul, Aquidauana (Brazil)

Distribution: Brazil, Colombia, Mexico, Panama

Host: *Centris (Heterocentris) vittata* (Hymenoptera: Apidae, Apinae)

Genus *Chaetodactylus* Rondani

Chaetodactylus Rondani, 1866: 19

Type species: *Trichodactylus osmia* Dujardin, 1839

Subgenus *Chaetodactylus* Rondani

Chaetodactylus Rondani, 1866: 19

Type species: *Trichodactylus osmia* Dujardin, 1839

Chaetodactylus abditus Klimov et OConnor

Chaetodactylus abditus Klimov & OConnor, 2004: 175; 2008: 124

Type locality: Arizona, Pima Co., Continental

Distribution: Mexico, USA (Arizona)

Hosts: *Lithurgus (Lithurgopsis) echinocacti*, *L. (Lithurgopsis) planifrons* (Hymenoptera: Megachilidae)

Chaetodactylus anthidii (Oudemans)

Trichotarsus anthidii Oudemans, 1911a: 165; Vitzthum, 1919: 31

Chaetodactylus anthidii: Oudemans, 1924: 328; Zachvatkin, 1941: 398; Klimov & OConnor, 2008: 110

Chaetodactylus (Chaetodactylus) anthidii: Fain, 1981a: 2; OConnor, 1993a: 62

Type locality: Tunisia

Distribution: Tunisia

Host: *Rhodanthidium sticticum* (as *Anthidium sticticum*) (Hymenoptera: Megachilidae)

Chaetodactylus antillarum Klimov et OConnor

Chaetodactylus antillarum Klimov & OConnor, 2008: 113

Type locality: Jamaica, Hellshire Hills

Distribution: Dominican Republic, Jamaica

Host: *Lithurgus antilleorum antilleorum* (Hymenoptera: Megachilidae)

Chaetodactylus azteca Klimov et OConnor

Chaetodactylus azteca Klimov & OConnor, 2008: 127

Type locality: Hidalgo: Tepeapulco

Distribution: Mexico

Host: *Osmia* (*Diceratosmia*) *azteca* (Hymenoptera: Megachilidae)

***Chaetodactylus birulai* Zachvatkin**

Chaetodactylus birulai Zachvatkin, 1941: 396; Samšinák, 1973: 404; Fain, 1974a: 213; Klimov & OConnor, 2008: 216

Chaetodactylus (*Chaetodactylus*) *birulai* Zachvatkin: Fain, 1981a: 3; Kurosa, 1987: 373

Chaetodactylus poetae Samšinák, 1973: 401; Fain, 1981a: 2. Type: Czech Republic: Sobotka; syn. by Klimov & OConnor, 2008: 109

Chaetodactylus (*Chaetodactylus*) *poetae*: Kurosa, 1987: 373

Type locality: Kirovskaya Oblast' (Russia)

Distribution: Czech Rep., Holland, Russia

Host: *Chelostoma florissomne* (Hymenoptera: Megachilidae), also found phoretic on cleptoparasites: *Sapyga quinquepunctata*, *Sapyga clavicornis* (Hymenoptera: Sapygidae)

***Chaetodactylus chrysidis* Fain et Baugnée**

Chaetodactylus chrysidis Fain & Baugnée, 1996: 23; Van Asselt, 2000: 225; Klimov & OConnor, 2008: 110

Chaetodactylus chrysidis aurulenticola Fain & Baugnée, 1996: 28. Type: Belgium, Treignes-Rivelottes, ex *Osmia aurulenta*; syn. by Klimov & OConnor, 2008: 110; Van Asselt, 2000: 225

Type locality: Treignes-Saumières

Distribution: Belgium

Host: *Chrysura trimaculata* (Hymenoptera: Chrysididae), *Osmia aurulenta* and *O. bicolor* (Hymenoptera: Megachilidae)

***Chaetodactylus claudus* Klimov et OConnor**

Chaetodactylus claudus Klimov & OConnor, 2008: 133

Type locality: Utah, Cache Co., Green Canyon

Distribution: USA (Utah, Texas)

Host: *Osmia* (*O.*) *rubiflorus* (Hymenoptera: Megachilidae)

***Chaetodactylus claviger* Oudemans**

Chaetodactylus claviger Oudemans, 1924: 328; Zachvatkin, 1941: 396; Klimov & OConnor, 2008: 111

Chaetodactylus (*Spinodactylus*) *claviger*: Fain, 1981a: 2 (part., excluding *Chaetodactylus krombeini*)

Chaetodactylus osmiae: Abou Senna, 1997: 667 (misidentification, Egypt, from *Apis mellifera*)

Type locality: Promontorio del Gargano ("Monte Gargano, Apulië"), Italy

Distribution: Egypt, France, Italy

Hosts: *Osmia tricornis* (Hymenoptera: Megachilidae), *Apis mellifera* (Hymenoptera: Apidae)

***Chaetodactylus dalyi* Fain**

Chaetodactylus dalyi Fain, 1974: 213; Klimov & OConnor, 2007: 826; 2008: 213

Chaetodactylus (*Chaetodactylus*) *dalyi*: Fain, 1981a: 6

Type locality: Natal

Distribution: Mozambique, South Africa, Zimbabwe

Host: *Ceratina* (*Pithitis*) *turneri* (Hymenoptera: Apidae, Xylocopinae)

***Chaetodactylus dementjevi* Zachvatkin**

Chaetodactylus dementjevi Zachvatkin, 1941: 399; Klimov & OConnor, 2008: 103

Chaetodactylus (*Achaetodactylus*) *dementjevi*: Fain, 1981a: 2

Type locality: Uzbekistan: Toshkent (Gora Aktash)

Distribution: Kazakhstan, Russia, Uzbekistan

Hosts: *Megachile bombycina*, *M. ligniseca* (Hymenoptera: Megachilidae), also on *Vespula germanica* (Vespidae)

***Chaetodactylus furunculus* Klimov et OConnor**

Chaetodactylus furunculus Klimov & OConnor, 2008: 116

Type locality: California, San Bernardino Co., Cedar Canyon

Distribution: USA (California)

Host: *Lithurgus listrotus* (Hymenoptera: Megachilidae)

***Chaetodactylus gibbosi* Klimov et OConnor**

Chaetodactylus gibbosi Klimov & OConnor, 2004: 178; 2008: 124

Type locality: Florida, Liberty Co.

Distribution: USA (Florida)

Host: *Lithurgus gibbosus* (Hymenoptera: Megachilidae)

***Chaetodactylus hirashimai* Kurosa**

Chaetodactylus (*Chaetodactylus*) *hirashimai* Kurosa, 1987: 374

Saproglyphus sp.: Hirashima, 1957: 200 (Host: *Osmia excavata*)

Chaetodactylus sp.: Krombein, 1962: 239; Host: *Osmia excavata*, Japan

Chaetodactylus hirashimai: Qu et al., 2002: 121; Klimov & OConnor, 2008: 110

Type locality: Japan: Honshu, Nara Pref., Nara-shi, Furuichi-chô

Distribution: Japan (Honshu, Kyushu)

Hosts: *Osmia* (*Osmia*) *excavata*, *O. (O.) cornifrons*, *O. (O.) pedicornis*, *Osmia* (*Helicosmia*) *imaii*

(Hymenoptera: Megachilidae)

Chaetodactylus hopliti* Klimov et OConnorChaetodactylus hopliti* Klimov & OConnor, 2008: 137

Type locality: New York, Onondaga Co., Syracuse

Distribution: Canada, USA

Hosts: *Hoplitis* (*Alcidamea*) *producta* (type host); *Hoplitis* (*Alcidamea*) *pilosifrons*; *Hoplitis* (*Monumetha*) *spoliata*; *Megachile* (*Megachile*) *relativa*; *Osmia* (*Melanosmia*) *brevis*; *Osmia* (*Centrosmia*) *bucephala*; *Osmia* (*Chenosmia*) *inermis* (Megachilidae); *Isodontia mexicana* (Hymenoptera: Sphecidae)

Chaetodactylus kouboy* Klimov et OConnorChaetodactylus kouboy* Klimov & OConnor, 2008: 121

Type locality: New Mexico, Colfax Co., Cimarron Canyon

Distribution: USA (New Mexico)

Host: *Lithurgus* (*Lithurgopsis*) *apicalis* (Hymenoptera: Megachilidae)***Chaetodactylus krombeini* Baker***Chaetodactylus krombeini* Baker, 1962: 229; Klimov & OConnor, 2008: 141; McKinney & Park, 2012:*Chaetodactylus* (*Spinodactylus*) *krombeini* Baker: Fain, 1981 : 2; OConnor, 1993a: 362

Type locality: Maryland

Distribution: USA

Hosts: *Osmia cornifrons*, *O. rubifloris*, *O. r. biedermanni*, *O. bucephala*, *O. chlybaea*, *O. lignaria propinqua*, *O. montana*, *O. californica*, *O. grindeliae* (Hymenoptera: Megachilidae)

Chaetodactylus lassulus* Klimov et OConnorChaetodactylus lassulus* Klimov & OConnor, 2007: 824; 2008: 111

Type locality: Coquimbo

Distribution: Chile

Hosts: *Trichothurgus dubius*, *T. herbsti* (Hymenoptera: Megachilidae)***Chaetodactylus lithurgi* Klimov et OConnor***Chaetodactylus lithurgi* Klimov & OConnor, 2004: 173; 2008: 121

Type locality: New Mexico, Colfax Co., Cimarron Canyon

Distribution: USA (New Mexico, Idaho, Texas, Arizona)

Hosts: *Lithurgus apicalis*, *L. gibbosus*, *L. littoralis* (Hymenoptera: Megachilidae)***Chaetodactylus ludwigi* (Trouessart)**

Trichotarsus Ludwigi Trouessart, 1904a: 234; 1904b: 365; Ludwig, 1904: 216; Vitzthum, 1912d: 292; 1919; Knülle, 1959: 385

Chaetodactylus ludwigi (Trouessart): Zachvatkin, 1941: 42; Baker, 1962a: 229; 1987: 65; OConnor, 1993a: 353; Pauly & Munzinger, 2003: 160; Klimov & OConnor, 2007: 826; Klimov et al., 2007a: 1371; Klimov & OConnor, 2008: 111

Chaetodactylus (*Chaetodactylus*) *ludwigi*: Fain & Pauly, 2001: 128

Type locality: Carolines Islands: Ponapé

Distribution: Federated States of Micronesia: Pohnpei Is. (“Carolines Islands: Ponapé”); New Caledonia; French Polynesia: Moorea Is. Nr. Taiti; India, Indonesia (Java), Madagascar

Hosts: *Lithurgus* (*Lithurgus*) *atratus* (as *Megachile lonalap*), nest; *Lithurgus scabrosus* (Hymenoptera: Megachilidae)

***Chaetodactylus melitomae* Klimov et OConnor**

Chaetodactylus melitomae Klimov & OConnor, 2007: 821; 2008: 113

Type locality: Mexico: Tabasco, Cardenas

Distribution: Honduras, Mexico

Host: *Melitoma* sp., *Melitoma segmentaria* (Hymenoptera: Apidae, Apinae)

***Chaetodactylus micheneri* Klimov et OConnor**

Chaetodactylus micheneri Klimov & OConnor, 2008: 127

Type locality: California, Fresno Co., Mt. Crocker, 11800 ft.

Distribution: USA (California)

Host: *Osmia subaustralis* (Hymenoptera: Megachilidae)

***Chaetodactylus nipponicus* Kurosa**

Chaetodactylus sp.: Yamada et al., 1971: 32

Chaetodactylus (*Chaetodactylus*) *nipponicus* Kurosa, 1987: 377

Chaetodactylus nipponicus: Van Asselt, 2000: 221; Bosh & Kemp, 2001: 62; Qu et al., 2002: 121; Qu et al., 2003: 55; Klimov & OConnor, 2008: 110

Type locality: Tsugaru-gun (Tsushima Is.)

Distribution: Japan (Tsushima Is., Honshu)

Hosts: *Osmia* (*Osmia*) *excavata*, *O. (O.) cornifrons*, *O. (O.) taurus*, *O. (O.) pedicornis* (Hymenoptera: Megachilidae)

***Chaetodactylus osmiae* (Dufour)**

Trichodactylus osmiae Dufour, 1839: 276; Gervais, 1844: 266 (part.); Murray, 1877: 252 (part.); Mégnin, 1880: 147; Canestrini, 1888a: 395; 1888b: 23

Chaetodactylus osmiae: Rondani, 1866: 183; Zachvatkin, 1941: 394 (part.); Turk, 1953: 82; Türk & Türk, 1957: 207; Lith, 1957: 197; Baker, 1962a: 229; 1987: 65; Krombein, 1962: 238; Fain, 1966: 249; Elbadry, 1971: 88; De Jong et al., 1982: 245 (*Apis*); Bosch, 1992: 77; Chmielewski, 1993: 133; Fain & Baugnée, 1996: 23; Van Asselt, 2000: 221;

Fain & Pauly, 2001: 127; Qu et al., 2003: 59; Krunić et al., 2005: 143; Klimov et al., 2007a: 1371; Klimov & OConnor, 2008: 110

Trichotarsus osmiae: Berlese, 1897: 105; Canestrini & Kramer, 1899: 149; Giard, 1900: 377; Oudemans, 1900: 117; 1901: 81; 1903a: 147; 1905a: 22; Oudemans, 1905b: 80; 1911a: 165; Michael, 1903: 17; Ludwig, 1904: 216; Trouessart, 1904a: 235; 1904b: 365; Vitzthum, 1912d: 291; 1919: 38; Popovici-Bazosanu, 1913: 32; Knülle, 1959: 385

Chaetodactylus mahunkai Samsinák, 1973: 404. Type: Hungary; synonymized by Fain, 1981b.

Chaetodactylus (Chaetodactylus) osmiae: Fain, 1981b: 4; Kurosa, 1987: 373; OConnor, 1993a: 353

Misidentifications (acc. to Klimov & OConnor, 2008): Donnadieu, 1868 (*Chaetodactylus claviger*), Banks, 1902: 176 (*Chaetodactylus krombeini* or *Ch. rozeni*), Abou Senna, 1997 (*Chaetodactylus claviger*), Fain et al., 1992 (*Chaetodactylus chrysidis aurulenticola*)

Type locality: France, Département des Landes (Gervais)

Distribution: Belgium, Croatia, England, France, Georgia, Germany, Holland, Hungary, Italy, Luxemburg, Poland, Romania, Russia

Hosts: *Osmia bicornis*, *O. cornuta*, *O. fronticornis*, *O. kohlii*, *O. niveata*, *O. rufa*, *O. rufiventris*, *O. tricornis* (Hymenoptera: Megachilidae); *Andrena* spp., *Megachile* sp. (Berlese); *Anthophora* sp.

***Chaetodactylus reaumuri* (Oudemans)**

Trichotarsus reaumuri Oudemans, 1905b: 81; 1905a: 22; 1911a: 165; Vitzthum, 1919: 31

Chaetodactylus reaumuri (Oudemans): Oudemans, 1924: 328; Vitzthum, 1929: 77; Zachvatkin, 1941: 396; Türk & Türk, 1957: 210; Fain & Baugnée, 1996: 28; Klimov & OConnor, 2008: 110

Chaetodactylus (Chaetodactylus) reaumuri: Fain, 1981b: 2; Kurosa, 1987: 373 (*reamuri*); OConnor, 1993a: 362 (*reaumerii*)

Type locality: Kolin (Czech Rep.)

Distribution: Czech Rep., Georgia, Germany, Greece (Corfu), ? Poland ("Odran, Oost-nijksch Silezië"); Crimea.

Hosts: *Osmia rufiventris*, *O. brevicornis*, *O. leucogastra* (as *Osmia panzeri*) (Hymenoptera: Megachilidae)

***Chaetodactylus rozeni* Klimov et OConnor**

Chaetodactylus rozeni Klimov & OConnor, 2008: 132

Type locality: North Carolina, Swain Co., Bryson City

Distribution: USA (North Carolina, Texas, Tennessee)

Hosts: *Osmia georgica* (Hymenoptera: Megachilidae); *Chrysis coerulans* (Hymenoptera: Chrysididae)

Chaetodactylus zachvatkini Klimov et OConnor

Chaetodactylus zachvatkini Klimov & OConnor, 2008: 110 (nom. nov. pro *Chaetodactylus osmiae* sensu Zachvatkin, 1941(part., non Dufour, 1839)

Type locality: Italy

Distribution: Italy, Spain, Tunisia

Hosts: *Osmia cornuta*, *O. latreillei*, *O. niveata*, *O. tricornis* (Hymenoptera: Megachilidae)

Genus *Roubikia* OConnor

Roubikia OConnor, 1993: 347

Type species: *Chaetodactylus panamensis* Baker, Roubik et Delfinado-Baker, 1987

Roubikia imberba Klimov et OConnor

Roubikia imberba Klimov & OConnor, 2007: 819; 2008: 221

Type locality: Tucumán, Salta

Distribution: Argentina

Host: *Tetrapedia* sp. (Hymenoptera: Apidae, Apinae) and its cleptoparasites *Coelioxoides waltheriae* and *C. exulans*

Roubikia latebrosa Klimov et OConnor

Roubikia latebrosa Klimov & OConnor in Klimov et al., 2007b: 118; Klimov et al., 2007a: 1371; Klimov & OConnor, 2008: 103

Type locality: Loreto

Distribution: Peru

Host: *Tetrapedia* sp. (Hymenoptera: Apidae, Apinae)

Roubikia officiosa Klimov et OConnor

Roubikia officiosa Klimov & OConnor, 2007: 821; 2008: 107

Type locality: Jalisco

Distribution: Mexico

Host: *Tetrapedia maura* (Hymenoptera: Apidae, Apinae)

Roubikia panamensis (Baker, Roubik et Delfinado-Baker)

Chaetodactylus panamensis Baker, Roubik & Delfinado-Baker, 1987: 67; Roubik, 1987: 75

Roubikia panamensis (Baker, Roubik et Delfinado-Baker): OConnor, 1993 : 345; Van Asselt, 2000: 225; Klimov & OConnor, 2007: 819; Klimov et al., 2007a: 1371; 2007b: 116; Klimov & OConnor, 2008: 103

Type locality: Panama, Curundú

Distribution: Bolivia, Brazil, French Guiana, Mexico, Panama

Hosts: *Tetrapedia diversipes*, *T. peckoltii* (Hymenoptera: Apidae, Apinae), also phoretic on *Coelioxoides waltheriae* (cleptoparasite of *Tetrapedia diversipes*)

Genus ***Sennertia*** Oudemans*Sennertia* Oudemans, 1905: 21Type species: *Pediculus cerambycinus* Scopoli, 1763Subgenus ***Afrosennertia*** Fain*Afrosennertia* Fain, 1981b: 147*Asiosennertia* Fain, 1981b: 147, type species: *Sennertia (Afrosennertia) delfinadoae* Fain, 1981, synonymized by Klimov & OConnor, 2008: 147Type species: *Sennertia monicae* Fain, 1971***Sennertia (Afrosennertia) basilewskyi*** Fain*Sennertia basilewskyi* Fain, 1974: 215; Klimov & OConnor, 2008: 223*Sennertia (Afrosennertia) basilewskyi*: Fain, 1981b: 180; Fain, 1982: 67

Type locality: Bambesa, Haut-Congo Prov.

Distribution: DR Congo

Hosts: Hymenoptera (Megachilidae); *Chedron nigrihirtum*, *Mesotrichia africana****Sennertia (Afrosennertia) delfinadoae*** Fain*Sennertia (Asiosennertia) delfinadoae* Fain, 1981b: 172*Sennertia delfinadoae* Fain: Klimov & OConnor, 2008: 227*Sennertia bakeri* Ramaraju & Mohanasundaram, 2001: 109 (Type: Tamil Nadu Coimbatore; Klimov & OConnor, 2008: 227)

Type locality: India

Distribution: India

Host: *Xylocopa (Nodula) amethystina* (Hymenoptera: Apidae, Xylocopinae)***Sennertia (Afrosennertia) jeanalexi*** Fain*Sennertia jeanalexi* Fain, 1971: 269; Fain, 1974a: 216; Klimov & OConnor, 2008: 230*Sennertia (Afrosennertia) jeanalexi*: Fain, 1981b: 178; Fain, 1982: 67; OConnor, 1993a: 362

Type locality: Bubulu river, near Mvungu, Mayumbe

Distribution: DR Congo

Hosts: *Xylocopa (Koptortosoma) nigrita*, *X. (K.) lepeletieri* (Hymenoptera: Apidae, Xylocopinae)***Sennertia (Afrosennertia) monicae*** Fain*Sennertia monicae* Fain, 1971: 269; 1974a: 215; Klimov & OConnor, 2008: 233*Sennertia (Afrosennertia) monicae*: Fain, 1981b: 178; 1982: 67

Type locality: Kivu, Uvira

Distribution: DR Congo

Host: *Xylocopa (Xenoxylocopa) inconstans* (as *Mesotrichia inconstans*) (Hymenoptera: Apidae, Xylocopinae)

Sennertia (Afrosennertia) oudemansi Zachvatkin*Sennertia oudemansi* Zachvatkin, 1941: 390; Turk, 1948: 84; Klimov & OConnor, 2008: 233*Sennertia (Asiosennertia) oudemansi*: Fain, 1981b: 176

Type locality: Japan

Distribution: Japan

Host: *Xylocopa (Biluna) nasalis* (as *Xylocopa dissimilis*) (Hymenoptera: Apidae, Xylocopinae)***Sennertia (Afrosennertia) queenslandica*** Womersley*Sennertia queenslandica* Womersley, 1941: 479; Klimov & OConnor, 2008: 234*Sennertia (Asiosennertia) queenslandica*: Fain, 1981b: 176*Sennertia (Afrosennertia) queenslandica*: Fain, 1982: 68

Type locality: Queensland, «Moa Is., Torres Straits»

Distribution: Australia

Host: *Xylocopa (Koptortosoma) bryorum* (as *Mesotrichia bryorum*) (Hymenoptera: Apidae, Xylocopinae)***Sennertia (Afrosennertia) vitzthumi*** Fain*Sennertia (Asiosennertia) vitzthumi* Fain, 1981b: 172*Sennertia vitzthumi* Fain: Klimov & OConnor, 2008: 237

Type locality: Unknown

Distribution: Unknown (probably Oriental)

Host: Unknown

Subgenus ***Amsennertia*** Fain*Amsennertia* Fain, 1981a: 147Type species: *Sennertia frontalis* Vitzthum, 1941***Sennertia (Amsennertia) americana*** Delfinado et Baker*Sennertia americana* Delfinado & Baker, 1976: 84; OConnor, 1988: 341; 1993b: 164; Ramaraju & Mohanasundaram, 2001: 107; Klimov & OConnor, 2008: 173*Sennertia (Amsennertia) americana* (Delfinado et Baker): Fain, 1981b: 147; Alzuet & Abrahamovich, 1987: 350; Lombert et al., 1987: 113; OConnor, 1993a: 362

Type locality: New York (Albany Co., Albany)

Distribution: USA

Host: *Xylocopa (Xylocopoides) virginica*, X. (*Xylocopoides*) *virginica texana* (Hymenoptera: Apidae, Xylocopinae)***Sennertia (Amsennertia) faini*** Baker et Delfinado-Baker*Sennertia faini* Baker & Delfinado-Baker, 1983: 117; Alzuet & Abrahamovich, 1987: 350; Ramaraju & Mohanasundaram, 2001: 107 (*Senertia*); Klimov & OConnor, 2008: 170

Type locality: Sololá, San Lucas Tolimán

Distribution: Guatemala

Host: *Apis mellifera* (Hymenoptera: Apidae, Apinae)

***Sennertia (Amsennertia) frontalis* Vitzthum**

Sennertia frontalis Vitzthum, 1941: 308; Baker & Delfinado-Baker, 1983: 119; Ramaraju & Mohanasundaram, 2001: 109; Klimov & OConnor, 2008: 179

Sennertia (Amsennertia) frontalis Vitzthum : Fain, 1981b: 176; Alzuet & Abrahamovich, 1987: 346; 1990: 630; OConnor, 1993a: 362

Type locality: Argentina, Entre Rios

Distribution: Argentina, Brazil, Honduras, Mexico, Panama, Peru, Suriname, Venezuela

Hosts: *Xylocopa* (*Neoxylocopa*) *frontalis*, *X. (N.) nautlana* (Hymenoptera: Apidae, Xylocopinae)

***Sennertia (Amsennertia) ignota* Delfinado et Baker**

Sennertia ignota Delfinado & Baker, 1976: 85; Baker & Delfinado-Baker, 1983: 119; Klimov & OConnor, 2008: 211

Senertia ignota [sic !]: Ramaraju & Mohanasundaram, 2001: 107

Sennertia (Amsennertia) ignota: Fain, 1981a: 178; Alzuet & Abrahamovich, 1987: 346

Type locality: Peru: Piura, Talara

Distribution: Peru

Host: *Xylocopa* sp. (Hymenoptera: Apidae, Xylocopinae)

***Sennertia (Amsennertia) longipilis* Alzuet et Abrahamovich**

Sennertia (Amsennertia) longipilis Alzuet & Abrahamovich, 1987: 346

Sennertia longipilis Alzuet & Abrahamovich, 1989: 115; Klimov & OConnor, 2008: 232; Montalva & Allendes, 2010: 55

Type locality: Misiones Prov. (Argentina)

Distribution: Argentina, Chile

Host: *Xylocopa* (*Schonnherria*) *splendidula splendidula* (Hymenoptera: Apidae, Xylocopinae)

***Sennertia (Amsennertia) splendidulae* Alzuet et Abrahamovich**

Sennertia (Amsennertia) brevipilis Alzuet & Abrahamovich, 1987: 345 (praeoccup. from *Sennertia vanderhammeni brevipilis* Fain, 1974)

Sennertia splendidulae Alzuet & Abrahamovich, 1989: 236; 1990: 630

Sennertia (Amsennertia) splendidulae Alzuet & Abrahamovich, 1991: 1; OConnor, 1993a: 362

Type locality: La Plata, Buenos Aires Prov.

Distribution: Argentina

Host: *Xylocopa (Schonnherria) splendidula splendidula* (Hymenoptera: Apidae, Xylocopinae)

Subgenus ***Sennertia*** Oudemans

Sennertia Oudemans, 1905: 21 (Fain, 1981b: 146)

Eosennertia Kurosa, 2003: 25. Type species: *Sennertia (Eosennertia) bifida* Kurosa, 2003, synonymized by Klimov & OConnor, 2008

Type species: *Pediculus cerambycinus* Scopoli, 1763

Sennertia (Sennertia) aldeodadi Haitlinger

Sennertia (Sennertia) aldeodadi Haitlinger, 2000: 18

Sennertia aldeodadi : Klimov & OConnor, 2008: 222

Type locality: Mohebourg

Distribution: Mauricius

Host: undetermined Anthophoridae (Hymenoptera)

Sennertia (Sennertia) alfkeni (Oudemans)

Trichotarsus alfkeni Oudemans, 1900: 115; 1901: 82; 1903a: 147; Vitzthum, 1912c: 233 ~part., only specimens from *Xylocopa circumvolans* – see Klimov & OConnor (2008).

Sennertia alfkeni Oudemans, 1905a: 22; 1924: 329; Vitzthum, 1914: 323; 1919: 31; Vitzthum, 1941: 308; Zachvatkin, 1941: 389; Fain, 1974b: 229; Delfinado & Baker, 1976: 85; Okabe & Makino, 2002: 73; Klimov & OConnor, 2008: 222; Kontschán et al., 2016: 3

Trichotarsus japonicus Oudemans, 1900: 117, synonymized by Zachvatkin, 1941; Oudemans, 1901: 83; 1903a: 147; Trägårdh, 1904: 156

Sennertia japonica (Oudemans): Oudemans, 1905a: 22; Vitzthum, 1914: 323; 1919: 43; 1941: 308; Okabe & Makino, 2002: 73

Sennertia japonicus: Fain, 1974b: 224

Sennertia (Sennertia) japonicus: Fain, 1981b: 163

Sennertia (Sennertia) alfkeni: Fain, 1981b: 163; Fain, 1982: 70; OConnor, 1993a: 362

Sennertia ?bifilis: Womersley, 1941: 480 (after Fain, 1982); from *Xylocopa (Koptortosoma) bryorum* (as “*Mesotricha bryorum*”), Australia: Queensland

Type locality: Japan

Distribution: Australia, China, Japan, Korea

Host: *Xylocopa (Alloxycopa) circumvolans* [in Zachvatkin, 1941 as “*X. kalinovskii*”] (Hymenoptera: Apidae, Xylocopinae)

Misidentifications (after Klimov & OConnor, 2008): *Trichotarsus Alfkeni*: Vitzthum, 1912c: 233, from *Xylocopa (Koptortosoma) aestuans* (East Sumatra), *Xylocopa (Koptortosoma) caerulea* (Java)

Sennertia (Sennertia) antarctica (Trägårdh)

Trichotarsus antarcticus Trägårdh, 1907: 12

Chaetodactylus antarcticus: Pugh, 1993: 373

Sennertia antarctica (Trägårdh): Klimov & OConnor, 2008: 222

Type locality: Booth Is. (as Wandel Is.)

Distribution: Antarctica (The geographic locality is, most likely, erroneous because carpenter bees, the only hosts of *Sennertia*, do not occur in Antarctica - Klimov & OConnor, 2008)

Host: marin algae

Sennertia (Sennertia) augustii Alzuet et Abrahamovich

Sennertia augustii Alzuet & Abrahamovich, 1990: 628; Klimov & OConnor, 2008: 192

Type locality: Buenos Aires, Berazategui

Distribution: Argentina, Mexico, Uruguay

Hosts: *Xylocopa* (*Neoxylocopa*) *augusti*, *X. fimbriata* (Hymenoptera: Apidae, Xylocopinae)

Sennertia (Sennertia) benoiti Fain

Sennertia benoiti Fain, 1974: 218; 1980: 988; Klimov & OConnor, 2008: 223

Sennertia (Sennertia) benoiti Fain: Fain, 1981a: 157; Haitlinger, 2000: 17

Type locality: Bafing, 7 km ESE Touba (Ivory Coast)

Distribution: DR Congo, Ivory Coast

Host: *Ceratina* sp. (type host), *Ceratina atopura* (Hymenoptera: Apidae, Xylocopinae)

Sennertia (Sennertia) bifida Kurosa

Sennertia (Eosennertia) bifida Kurosa, 2003: 26

Sennertia (Sennertia) bifida: Klimov & OConnor, 2008: 224

Type locality: Hitsujigaoka, Sapporo, Hokaido

Distribution: Japan (Hokkaido, Honshu and Ryukyus)

Hosts: *Ceratina* (*Ceratinidia*) *japonica*, *C. flavipes*, *C. okinawana* (Hymenoptera: Apidae, Xylocopinae)

Sennertia (Sennertia) bifilis (Canestrini)

Trichotarsus bifilis Canestrini, 1897: 474; Canestrini & Kramer, 1899: 149; Giard, 1900: 377; Oudemans, 1901: 83; 1903: 147; 1905a: 22

Sennertia bifilis (Canestrini): Vitzthum, 1919: 61; Zachvatkin, 1941: 42; Fain, 1981b: 180; 1982: 70; Lombert et al., 1987: 113; Klimov & OConnor, 2008: 224

Type locality: Madang: Astrolabe Bay (Erima)

Distribution: Papua New Guinea

Host: *Xylocopa* (*Koptortosoma*) *combinata* (Hymenoptera: Apidae, Xylocopinae)

Sennertia (Sennertia) caffra Vitzthum

Sennertia caffra Vitzthum, 1919: 53; 1941: 310; Zachvatkin, 1941: 42; Klimov & OConnor, 2008: 224

Sennertia (Sennertia) caffra: Fain, 1981b: 159; Lombert et al., 1987: 113; Haitlinger, 2000: 17

Type locality: Eastern Cape (Willowmore)

Distribution: South Africa

Host: *Xylocopa* (*Koptortosoma*) *caffra* (Hymenoptera: Apidae, Xylocopinae)

***Sennertia* (*Sennertia*) *cantabrica* Zachvatkin**

Sennertia cantabrica Zachvatkin, 1941: 385; Lombert et al., 1987: 113; Klimov & OConnor, 2008: 224

Sennertia (*Sennertia*) *cantabrica*: Fain, 1981b: 163; Haitlinger, 2000: 17

Type locality: Algeria

Distribution: Algeria

Host: *Xylocopa* (*X.*) *cantabrita* (Hymenoptera: Apidae, Xylocopinae)

***Sennertia* (*Senneria*) *capensis* Fain**

Sennertia capensis Fain, 1971: 266; Klimov & OConnor, 2008: 225

Sennertia (*Sennertia*) *capensis*: Fain, 1981b: 157; Haitlinger, 2000: 17

Type locality: Eastern Cape (Willowmore)

Distribution: South Africa

Host: *Xylocopa* (*Gnathoxylocopa*) *sicheli* (Hymenoptera: Apidae, Xylocopinae)

***Sennertia* (*Sennertia*) *cerambycina* (Scopoli)**

Pediculus cerambycinus Scopoli, 1763: 386

Trichodactylus osmiae: Gervais, 1844: 266 (part.)

Trichodactyle Xylocopae Donnadieu, 1868: 84

Trichodactylus xylocopae: Murray, 1877: 252 (part.); Canestrini & Fanzago, 1878: 205; Mégnin, 1880: 147; Berlese, 1885: XVIII, No 1; Canestrini & Berlese, 1885: 206

Trichotarsus xylocopae: Dugès, 1834; Canestrini, 1888a: 394; 1888b: 23; 1897: 474; Berlese, 1892: fasc. LXV, n 1; 1897: 105; 1903a: 322; Canestrini & Kramer, 1899: 149; Giard, 1900: 377; Oudemans, 1900: 116; 1901: 81; 1902: 44; 1903a: 322; Trägårdh, 1907: 12; Popovici-Bazosanu, 1913: 32; Vitzthum, 1912c: 232; 1912d: 292

Trichotarsus cerambycinus: Oudemans, 1905b: 80

Sennertia cerambycina (Scopoli): Oudemans, 1905: 21; Vitzthum, 1919: 31; 1929: 77; 1933: 152; Vitzthum, 1941: 307; Zachvatkin, 1941: 382; Eyndhoven, 1941: 325; 1952: 34; Skaife, 1952: 76; Fain, 1971: 265; Elbadry, 1971: 87; Vicidomini & Meloni, 1999: 138; Klimov & OConnor, 2008: 226

Sennertia xylocopae: Türk & Türk, 1957: 210

Sennertia (*Sennertia*) *cerambycina* (Scopoli): Fain, 1981b: 152; Lombert et al., 1987: 113; OConnor, 1993a: 362; Vicidomini, 1996: 71

Type locality: “Carniola” (now Slovenia)

Distribution: France, Germany, Greece, Holland, Italy, Slovenia, Spain, China; “All southern, central, and eastern Europe, up to 55, 8 N; West and Central Asia up to Tibet and Gashun Gobi Desert China, on the east and up to northern Iran to the south”.

Hosts: *Xylocopa valga*, *X. varentzowi*, *X. violacea*, *Xylocopa (Proxylocopa) nitidiventris*, *Xylocopa (P.) przewalskyi*, *Xylocopa (Copoxya) turanica* (Hymenoptera: Apidae, Xylocopinae). Also phoretic on *Polochrum repandum* (Hymenoptera, Sapygidae, cleptoparasite of *Xylocopa*, occasionally found on *Hoplitis princeps* (as *Osmia princeps*), *Osmia (Monosmia) apicata* (as *Osmia macroglossa*), *Megachile (Eutricharaea) leachella* (as *Megachile argentata*), and *Anthophora (Paramegilla) balassogloi* (as *Anthidium christofi*)

***Sennertia (Sennertia) ceratinarum* Fain**

Sennertia ceratinarum Fain, 1974 : 216; 1980: 983; Klimov & OConnor, 2008: 226

Sennertia (Sennertia) ceratinarum Fain: Fain, 1981b: 156; Haitlinger, 2000: 17

Type locality: Salt Rock, Natal

Distribution: Cameroon, D.R. Congo, South Africa

Hosts: *Ceratina atopura*, *C. acutipyga*, *C. congoensis*, *C. nilotica*, *C. turneri*, *Pithitis viridis* (Hymenoptera: Apidae, Xylocopinae)

***Sennertia (Sennertia) congoicola* Fain**

Sennertia congoicola Fain, 1971: 265; Klimov & OConnor, 2008: 227

Sennertia (Sennertia) congoicola: Fain, 1981b: 161; Haitlinger, 1999: 59; 2000: 17

Type locality: Moanda

Distribution: DR Congo

Hosts: “*Mesotrichia striata*”, *Xylocopa (Mesotrichia) torrida*, *Xylocopa (Koptortosoma) imitator* (Hymenoptera: Apidae, Xylocopinae)

***Sennertia (Sennertia) dalyi* Fain**

Sennertia dalyi Fain, 1980: 990; Klimov & OConnor, 2008: 227

Sennertia (Sennertia) dalyi: Fain, 1981b: 163; Haitlinger, 2000: 17

Type locality: 3.5 km S Tabarka

Distribution: Tunisia

Hosts: *Ceratina (Euceratina) dallatorreana*, *C. (E.) chalybea*, *C. (E.) mocsaryi*, *C. (E.) callosa* (Hymenoptera: Apidae, Xylocopinae)

***Sennertia (Sennertia) dalyi nilotica* Fain**

Sennertia dalyi nilotica Fain, 1980: 990; Klimov & OConnor, 2008: 227

Sennertia (Sennertia) dalyi nilotica: Fain, 1981b: 163

Type locality: Al QalyuS biyah, Banha (“Benha, Nile Delta”)

Distribution: Egypt

Host: *Ceratina (Pithitis) tarsata* (Hymenoptera: Apidae, Xylocopinae)

Sennertia (Sennertia) devincta Klimov et OConnor

Sennertia devincta Klimov & OConnor, in Klimov et al., 2007: 121; Klimov & OConnor, 2008: 148

Type locality: Huanuco

Distribution: Peru

Host: *Ceratina* sp. (Hymenoptera: Apidae, Xylocopinae)

Sennertia (Sennertia) dissimilis Zachvatkin

Sennertia dissimilis Zachvatkin, 1941: 385; Fain, 1981b: 182; Klimov & OConnor, 2008: 227

Type locality: Japan

Distribution: Japan

Host: *Xylocopa (Biluna) nasalis* (as *Xylocopa dissimilis*) (Hymenoptera: Apidae, Xylocopinae)

Sennertia (Sennertia) duweinii Sherbef et Duweini

Sennertia duweinii Sherbef & Duweini, 1980: 245; Klimov & OConnor, 2008: 228

Type locality: not indicated

Distribution: ? Egypt

Host: *Xylocopa (Koptortosoma) aestuans* (Hymenoptera: Apidae, Xylocopinae)

Sennertia (Sennertia) egyptiaca Elbadry

Sennertia egyptiaca Elbadry, 1971: 87; Sherbef & Duweini, 1980: 246; Fain, 1981b: 182; Klimov & OConnor, 2008: 228

Type locality: Shoubra Elkheima, Cairo

Distribution: Egypt, Sudan

Host: *Xylocopa (Koptortosoma) aestuans* (Hymenoptera: Apidae, Xylocopinae)

Sennertia (Sennertia) elseni Fain

Sennertia elseni Fain, 1971: 266; Klimov & OConnor, 2008: 228

Sennertia (Sennertia) elseni: Fain, 1981b: 161; OConnor, 1993a: 362; Haitlinger, 1999: 59; 2000: 17; Fain & Pauly, 2001: 132

Type locality: Bas-Congo (Muanda)

Distribution: DR Congo, Madagascar

Hosts: *Xylocopa (Koptortosoma) caffra* (as *Mesotrichia olivacea*) (Hymenoptera: Apidae, Xylocopinae); on Madagascar: except Ranomafana: *Melanempis* sp.; Ranomafana: cleptoparasitic bee of the family Nomadinae

***Sennertia (Sennertia) flabellifera* Oudemans**

Sennertia flabellifera Oudemans, 1924: 331; Lombert et al., 1987: 113; Klimov & OConnor, 2008: 228

Type locality: Bogor (Java)

Distribution: Indonesia (Java)

Host: *Xylocopa (Koptortosoma)* sp., nest (Hymenoptera: Apidae, Xylocopinae)

***Sennertia (Sennertia) frontalis* Vitzthum**

Sennertia frontalis Vitzthum, 1941: 308; Klimov & OConnor, 2008: 228

Type locality: Entre Rios, Argentina

Distribution: Argentina, Brazil, Mexico, Peru, Panama, Suriname, Venezuela

Hosts: *Xylocopa frontalis*, *X. nautlana* (Hymenoptera: Apidae, Xylocopinae)

***Sennertia (Sennertia) gargantua* Zachvatkin**

Sennertia gargantua Zachvatkin, 1941: 385; Klimov & OConnor, 2008: 228

Sennertia (Sennertia) gargantua: Fain, 1981b: 154

Type locality: Turkey

Distribution: Tajikistan, Turkey, Uzbekistan

Hosts: *Xylocopa (Nodula) punctilabris*, *X. (X.) valga* (Hymenoptera: Apidae, Xylocopinae)

***Sennertia (Sennertia) greeni* (Oudemans)**

Hericia greeni Oudemans, 1917: 345

Sennertia greeni (Oudemans): Oudemans, 1924: 330; Zachvatkin, 1941: 42; Lombert et al., 1987: 113; Klimov & OConnor, 2008: 228

Type locality: Eton Estate, Punduloga

Distribution: Sri Lanka

Host: *Xylocopa (Mesotrichia) tenuiscapa* (Hymenoptera: Apidae, Xylocopinae)

***Sennertia (Sennertia) haustriifera* Klimov et OConnor**

Sennertia haustriifera Klimov & OConnor, 2008: 151

Type locality: Jalisco, Estacion de Biologia Chamela

Distribution: Mexico (Jalisco, Chiapas)

Host: *Ceratina captiosa* (Hymenoptera: Apidae, Xylocopinae)

***Sennertia (Sennertia) herminae* Haitlinger**

Sennertia (Sennertia) herminae: Haitlinger, 1999: 57; 2000: 17

Sennertia herminae: Klimov & OConnor, 2008: 229

Type locality: Antananarivo

Distribution: Madagascar

Host: *Xylocopa* sp. (Hymenoptera: Apidae, Xylocopinae)

***Sennertia (Sennertia) hipposideros* (Oudemans)**

Trichotarsus hipposideros Oudemans, 1902: 44; 1903: 145

Trichotarsus hipposiderus Oudemans, 1903a: 145 (unjust. emend.); Trägårdh, 1904: 156; 1907: 12; Vitzthum, 1912d: 290

Sennertia hipposiderus (Oudemans): Oudemans, 1905a: 22; Vitzthum, 1941: 310 (*hipposideruns*); Fain, 1974b: 226; OConnor, 1993b: 161; Krantz, 1998: 298

Sennertia hipposidera: Vitzthum, 1919: 43 (unjust. emend.)

Sennertia hipposideros: Zachvatkin, 1941: 42; Fain, 1974 : 226; Klimov & OConnor, 2008: 229

Sennertia (*Sennertia*) *hipposiderus* (Oudemans): Fain, 1981b: 156

Type locality: India

Distribution: India, Malaysia

Hosts: *Xylocopa* (*Platynopoda*) *latipes*, *X. (Mesotrichia) tenuiscapa* (Hymenoptera: Apidae, Xylocopinae)

***Sennertia* (*Sennertia*) *horrida* (Vitzthum)**

Trichotarsus horridus Vitzthum, 1912: 290

Sennertia horrida (Vitzthum): Vitzthum, 1919: 57; 1941: 308; Zachvatkin, 1941: 387; Klimov et al., 2007b: 124; Klimov & OConnor, 2008: 229

Sennertia (*Sennertia*) *horrida*: Fain, 1981b: 170

Sennertia sumatrensis Oudemans, 1924: 329; Fain, 1974b: 228 (synonymized by Fain, 1981b)

Sennertia leucothorae Ramaraju & Mohanasundaram, 2001: 107 (Type: Tamil Nadu, Coimbatore; synonymized by Klimov et al., 2007b)

Type locality: Jakarta (Java)

Distribution: India, Indonesia (Java, Sumatra), Japan, Taiwan

Hosts: *Xylocopa* (*Biluna*) *nasalis* (as *Xylocopa* (*Koptorthosoma*?) *dissimilis*), *Xylocopa* (*Koptortosoma*) *aestuans* (as *Xylocopa leucothorae*), *X. auripennis*, *X. fallax*, *X. iridipennis*, *X. mcgregori*, *X. mimetica* (Hymenoptera: Apidae, Xylocopinae)

***Sennertia* (*Sennertia*) *hurdi* Klimov et OConnor**

Sennertia hurdi Klimov & OConnor, 2008: 164

Type locality: Oaxaca, Presa Benito Juárez, nr. Jalapa de Marquez

Distribution: Mexico

Hosts: *Xylocopa t. tabaniformis*, *X. tabaniformis azteca* (Hymenoptera: Apidae, Xylocopinae)

***Sennertia* (*Sennertia*) *indica* Delfinado et Baker**

Sonnertia [sic !] *indica* Delfinado & Baker, 1976: 87

Seneria [sic !] *indica*: Ramaraju & Mohanasundaram, 2001: 107

Sennertia indica: Fain, 1981b: 182 (inadequately described); Klimov & OConnor, 2008: 230

Type locality: Hissar

Distribution: India

Host: *Ceratina binghami* (as *Pithitis binghami*) (Hymenoptera: Apidae, Xylocopinae)

***Sennertia (Sennertia) koptorthosomae* (Oudemans)**

Trichotarsus koptorthosomae Oudemans, 1901: 82; 1903a: 47; Vitzthum, 1912d: 290 (part.)

Trichotarsus coptorthosomae Trägårdh, 1904: 156 (unjust. emend.)

Sennertia coptorthosomae: Oudemans, 1905a: 22 (unjust. emend.)

Sennertia koptorthosomae (Oudemans): Oudemans, 1924: 329; Zachvatkin, 1941: 42; Fain, 1974: 219; OConnor 1993b: 161; Krantz, 1998: 298; Klimov & OConnor, 2008: 192

Sennertia (Sennertia) koptorthosomae (Oudemans): Fain, 1981b: 156

Type locality: Java (Bogor)

Distribution: India, Indonesia (Java, Sumatra), Malaysia, Sri Lanka

Hosts: nest of *Xylocopa (Mesotrichia) latipes*, *X. (M.) tenuiscapa* [*Koptorthosoma*] (Hymenoptera: Apidae, Xylocopinae)

***Sennertia (Sennertia) latipilis* Fain**

Sennertia latipilis Fain, 1974: 217; 1980: 986; Klimov & OConnor, 2008: 231

Sennertia (Sennertia) latipilis: Fain, 1981a: 156; Haitlinger, 2000: 17

Type locality: Malindi

Distribution: Kenya

Host: *Ceratina (Ctenoceratina) penicilligera* (Hymenoptera: Apidae, Xylocopinae)

***Sennertia (Sennertia) lauta* Klimov and OConnor**

Sennertia lauta Klimov & OConnor, in Klimov et al., 2007b: 125; Klimov & OConnor, 2008: 231

Type locality: Davao (Philippines)

Distribution: Malaysia (Sarawak), Philippines (Mindanao, Palawan)

Hosts: *Xylocopa (Zonohirsuta) fuliginata*, *X. (Z.) dejeanii* (Hymenoptera: Apidae, Xylocopinae)

***Sennertia (Sennertia) leclercqi* Fain**

Sennertia leclercqi Fain, 1971: 268; Klimov & OConnor, 2008: 232

Sennertia (Sennertia) leclercqi: Fain, 1981b: 157; Haitlinger, 2000: 17

Type locality: Sud-Kivu, Uvira

Distribution: DR Congo

Host: *Xylocopa (Xenoxylocopa) inconstans* (as *Mesotrichia inconstans*) (Hymenoptera: Apidae, Xylocopinae)

***Sennertia (Sennertia) leei* Fain**

Sennertia (Sennertia) leei Fain, 1982: 67; OConnor, 1993a: 362

Sennertia leei Fain: Klimov & OConnor, 2008: 150, 192

Type locality: Ku-rin-gai, New South Wales

Distribution: Australia (N.S.W., Queensland, SA)

Hosts: *Xylocopa (Lestis) bombylans*, *X. aerata* (Hymenoptera: Apidae, Xylocopinae)

***Sennertia (Sennertia) loricata* Klimov et OConnor**

Sennertia loricata Klimov & OConnor, 2008: 181

Type locality: Florida, Alachua Co., Gainesville

Distribution: Mexico (Chiapas, Jalisco), USA (Florida, Louisiana, Puerto Rico, Texas, Virginia)

Hosts: *Xylocopa b. barbatella*, *X. micans*, *X. mordax*, *X. muscaria* (Hymenoptera: Apidae, Xylocopinae)

***Sennertia (Sennertia) lucrosa* Klimov and OConnor**

Sennertia lucrosa Klimov & OConnor, 2008: 164

Type locality: California, Los Angeles Co., Los Angeles, Crenshaw Distr.

Distribution: Mexico, USA

Hosts: *Xylocopa californica*, *X. clarionensis*, *X. guatemalensis*, *X. mexicanorum*, *X. varipuncta* (Hymenoptera: Apidae, Xylocopinae)

***Sennertia (Sennertia) madagascarensis* Fain**

Sennertia madagascarensis Fain, 1971: 270; Fain & Pauly, 2001: 125; Klimov et al., 2007b; Klimov & OConnor, 2008: 232

Sennertia (Sennertia) madagascarensis: Fain, 1981b: 170; OConnor, 1993a: 362

Type locality: Antananarivo ("Tananarive")

Distribution: Madagascar

Hosts: *Xylocopa (Prosopoxylocopa) mirabilis*, *Xylocopa (Koptortosoma) calens* (Hymenoptera: Apidae, Xylocopinae)

***Sennertia (Sennertia) mesotrichia* Fain**

Sennertia mesotrichia Fain, 1971: 265; Klimov & OConnor, 2008: 232

Sennertia (Sennertia) mesotrichia: Fain, 1981b: 154; Haitlinger, 2000: 17

Type locality: Bambesa, Uele

Distribution: D.R. Congo

Hosts: *Xylocopa (Koptortosoma) africana* (as *Mesotrichia africana*), *X. (K.) lepeletieri*, *Xylocopa (Xylomelissa) tarsata* (Hymenoptera: Apidae, Xylocopinae)

***Sennertia (Sennertia) micheli* Fain**

Sennertia micheli Fain, 1971: 268; Klimov & OConnor, 2008: 232

Sennertia (Sennertia) micheli: Fain, 1981b: 164

Type locality: Java

Distribution: Indonesia (Java)

Host: *Bembix borrei* (Hymenoptera: Sphecidae)

***Sennertia (Sennertia) morstatti* Vitzthum**

Sennertia morstatti Vitzthum, 1914: 323; 1919: 42; Zachvatkin, 1941: 42; Klimov & OConnor, 2008: 233

Sennertia (Sennertia) morstatti: Fain, 1981b: 164; Lombert et al., 1987: 113; Sherbef & Duweini, 1980: 245

Sennertia moandensis Fain, 1971: 267 (synonymized by Fain, 1981b). Type: Moanda, DR Congo

Sennertia tanythrix Fain, 1971: 267 (part., specimens from *X. nigrita*)

Type locality: Tanzania, Amani

Distribution: DR Congo, Sudan, Tanzania

Hosts: *Xylocopa (Koptortosoma) nigrita* (Hymenoptera: Apidae, Xylocopinae), Megachilidae

***Sennertia (Sennertia) perturbans* Vitzthum**

Sennertia perturbans Vitzthum, 1919: 48; Zachvatkin, 1941: 42; Fain, 1981b: 145; Lombert et al., 1987: 113; Klimov & OConnor, 2008: 233

Type locality: Amani

Distribution: Tanzania

Host: *Xylocopa (Koptortosoma) nigrita* (Hymenoptera: Apidae, Xylocopinae)

***Sennertia (Sennertia) pirata* Klimov et OConnor**

Sennertia pirata Klimov & OConnor, 2008: 144

Type locality: Bahamas, Bimini, South Bimini Island

Distribution: Bahamas, British Virgin Islands (Guana Is.), Cuba, Virgin Islands of the United States, Puerto Rico

Hosts: *Xylocopa cubaecola*, *X. mordax* (Hymenoptera: Apidae, Xylocopinae)

***Sennertia (Sennertia) potanini* Zachvatkin**

Sennertia potanini Zachvatkin, 1941: 390; Klimov & OConnor, 2008: 233

Sennertia (Sennertia) potanini: Fain, 1981b: 170; Klimov et al., 2007b: 125

Type locality: Sichuan, Yazhou

Distribution: China

Host: *Xylocopa (Biluna) tranquebarorum* or *Xylocopa (Bomboixylocopa) rufipes* (as *Xylocopa pictifrons*) (Hymenoptera: Apidae, Xylocopinae)

***Sennertia (Sennertia) ratiocinator* Klimov et OConnor**

Sennertia ratiocinator Klimov et OConnor, in Klimov et al., 2007b: 128; Klimov & OConnor, 2008: 234

Type locality: NW Sri Lanka

Distribution: Sri Lanka

Hosts: *Xylocopa* (*Zonohirsuta*) *bhowara*, X. (*Z.*) *dejeanii*, *Xylocopa* (*Nodula*) *amethystina* (Hymenoptera: Apidae, Xylocopinae)

Sennertia* (*Sennertia*) *recondita Klimov et OConnor

Sennertia recondita Klimov & OConnor, 2008: 151

Type locality: Quintana Roo, Vallarta, 17 km W Pto. Morelos

Distribution: Mexico

Host: *Ceratina* (*Calloceratina*) *exemia* (Hymenoptera: Apidae, Xylocopinae)

Sennertia* (*Sennertia*) *robusta Delfinado et Baker

Sennertia robusta Delfinado et Baker, 1976: 87; Klimov & OConnor, 2008: 234

Sennertia (*Sennertia*) *robusta*: Fain, 1981b: 157; Haitlinger, 2000: 18

Sennertia carpenteri Ramaraju & Mohanasundaram, 2001: 109 – Type: Tamil Nadu, Coimbatore

Type locality: Hissar

Distribution: India

Hosts: «Megachilid bee», *Xylocopa* (*Nodula*) *amethystina* (Hymenoptera: Apidae, Xylocopinae)

Sennertia* (*Sennertia*) *roepkei Oudemans

Sennertia roepkei Oudemans, 1924: 330; Lombert et al., 1987: 113; Klimov & OConnor, 2008: 234

Type locality: Java (Bogor)

Distribution: Indonesia (Java)

Host: On eggs of *Horia* (as “*Cissites*”) (Coleoptera: Meloidae) in nest of *Xylocopa* sp. (Hymenoptera: Apidae, Xylocopinae)

Sennertia* (*Sennertia*) *sayutara Klimov et OConnor

Sennertia sayutara Klimov & OConnor, in Klimov et al., 2007: 122; 2008: 161

Type locality: San José

Distribution: Costa Rica

Host: *Ceratina laticeps* (Hymenoptera: Apidae, Xylocopinae)

Sennertia* (*Sennertia*) *scutata Fain

Sennertia scutata Fain, 1974: 217; 1980: 986; Klimov & OConnor, 2008: 234

Sennertia (*Sennertia*) *scutata*: Fain, 1981b: 159; Haitlinger, 2000: 17

Type locality: Cape Town

Distribution: South Africa, El Salvador, Guatemala

Hosts: *Ceratina truncata*, *Ceratina* (*Pithitis*) *nasalis* (as *Ceratina viridior*) (Hymenoptera: Apidae, Xylocopinae)

Sennertia (Sennertia) segnis* Klimov et OConnorSennertia segnis* Klimov & OConnor, 2008: 170

Type locality: California, Tulare Co., 2 mi N Hartland

Distribution: Mexico, USA (California, Arizona)

Hosts: *Xylocopa c. californica*, *X. californica arizonensis*, *X. cyanea*, *X. tabaniformis orpifex* (Hymenoptera: Apidae, Xylocopinae)***Sennertia (Sennertia) shimanukii* Baker et Delfinado-Baker***Sennertia shimanukii* Baker & Delfinado-Baker, 1983: 117; Klimov & OConnor, 2008: 176

Type locality: Sololá, San Lucas Tolimán (Guatemala)

Distribution: Guatemala, Mexico, USA

Hosts: *Xylocopa (Neoxylocopa) fimbriata*, *X. (N.) mexicanorum*, *X. (N.) sonora*, *X. (N.) varipuncta*, *Xylocopa (Xylocopoides) californica arizonensis* (Hymenoptera: Apidae, Xylocopinae); *Apis mellifera* (Hymenoptera: Apidae, Apinae)(type host, accidental)***Sennertia (Sennertia) simplex* (Trägårdh)***Trichotarsus simplex* Trägårdh, 1904: 156*Sennertia simplex* (Trägårdh): Vitzthum, 1919: 32; 1941: 308; Zachvatkin, 1941: 42; Klimov & OConnor, 2008: 235*Sennertia (Sennertia) simplex*: Fain, 1981b: 159; Haitlinger, 2000: 17

Type locality: Cameroon

Distribution: Cameroon

Host: *Xylocopa (Koptortosoma) nigrita* (Hymenoptera: Apidae, Xylocopinae)***Sennertia (Sennertia) sodalis* Klimov et OConnor***Sennertia sodalis* Klimov & OConnor, 2008: 156

Type locality: San Juan de la Punta (Veracruz)

Distribution: Costa Rica, Mexico, Panama

Host: *Ceratina* sp., *Ceratina (Calloceratina) eximia* (Hymenoptera: Apidae, Xylocopinae)***Sennertia (Sennertia) spinifera* Fain***Sennertia ceratinarum spinifera* Fain, 1974: 217*Sennertia (Sennertia) spinifera* Fain, 1980: 984; 1981b: 156; Haitlinger, 2000: 17*Sennertia spinifera* Fain: Klimov & OConnor, 2008: 235

Type locality: N. E. Lusambo

Distribution: D.R. Congo

Host: *Ceratina (Propititis) aereola* (Hymenoptera: Apidae, Xylocopinae)***Sennertia (Sennertia) surinamensis* Fain et Lukoschus***Sennertia surinamensis* Fain & Lukoschus, 1971: 270; Klimov et al., 2007a: 1371; Klimov & OConnor, 2008: 237

Sennertia (*Sennertia*) *surinamensis* (Fain et Lukoschus): Fain, 1981b: 170; Alzuet & Abrahamovich, 1987: 348

Type locality: Paramaribo

Distribution: French Guiana, Panama, Suriname

Host: *Ceratina* (*Calloцерatina*) *chloris* (Hymenoptera: Apidae, Xylocopinae)

***Sennertia* (*Sennertia*) *tanythrix* Fain**

Sennertia tanythrix Fain, 1971: 267; Klimov & OConnor, 2008: 236

Sennertia (*Sennertia*) *tanythrix*: Fain, 1981b: 167; Haitlinger, 2000: 17

Type locality: Uele, Haut-Congo Prov.

Distribution: DR Congo

Hosts: *Xylocopa* (*Mesotrichia*) *torrida*, *Xylocopa* (*Koptortosoma*) *imitator*, *X. (K.) nigrita* (Hymenoptera: Apidae, Xylocopinae)

***Sennertia* (*Sennertia*) *tunisiana* Fain**

Sennertia tunisiana Fain, 1980: 991; Klimov & OConnor, 2008: 236

Sennertia (*Sennertia*) *tunisiana*: Fain, 1981b: 163; Haitlinger, 2000: 17

Type locality: Silya nah Maktar

Distribution: Tunisia

Hosts: *Ceratina* (*Ceratina*) *cucurbitina*, *Ceratina* (*Euceratina*) *alboosticta*, *Ceratina* (*Euceratina*) *mocsaryi*, *Ceratina dallatorreana*, *C. chalybea* (Hymenoptera: Apidae, Xylocopinae)

***Sennertia* (*Sennertia*) *vaga* Klimov et OConnor**

Sennertia vaga Klimov & OConnor, 2008: 150

Type locality: California, Los Angeles Co., Rustic Canyon

Distribution: Mexico, USA

Hosts: *Xylocopa* (*Notoxylocopa*) *tabaniformis orpifex*, *X. (N.) tabaniformis androleuca*, *X. (Xylocopoides) californica* (Hymenoptera: Apidae, Xylocopinae)

***Sennertia* (*Sennertia*) *vanderhammeni* Fain**

Trichotarsus koptorthosomae Oudemans, 1901: 82 (part.)

Sennertia vanderhammeni Fain, 1974: 222; Klimov & OConnor, 2008: 236

Sennertia (*Sennertia*) *vanderhammeni*: Fain, 1981b: 156

Type locality: Peradeniya

Distribution: India, Indonesia (Java), Sri Lanka

Host: *Xylocopa* (*Koptorthosoma*) *tenuiscapa* (Hymenoptera: Apidae, Xylocopinae)

***Sennertia* (*Sennertia*) *vanderhammeni brevipilis* Fain**

Trichotarsus koptorthosomae Oudemans, 1901: 82 (part.)

Sennertia vanderhammeni brevipilis Fain, 1974: 224; 1981b: 156; Klimov & OConnor, 2008: 236

Sennertia (Sennertia) vanderhammeni brevipilis: Fain, 1981b: 156; Alzuet & Abrahamovich, 1989: 236; 1990: 319

Type locality: Java

Distribution: Indonesia (Java)

Host: *Xylocopa (Koptorthosoma) tenuiscapa* (Hymenoptera: Apidae, Xylocopinae)

***Sennertia (Sennertia) varicosa* Fain .**

Sennertia varicosa Fain, 1971: 268; Klimov & OConnor, 2008: 237

Sennertia (Sennertia) varicosa: Fain, 1981b: 167; Haitlinger, 2000: 17

Type locality: Katanga – Monts Kundelungu (DR Congo)

Distribution: Angola, DR Congo

Hosts: *Xylocopa (Mesotrichia)* sp., *X. (Xenoxycopa) inconstans* (as *Mesotrichia flavescens inconstans*) (Hymenoptera: Apidae, Xylocopinae)

***Sennertia (Sennertia) zhelochovtsevi* Zachvatkin**

Sennertia zhelochovtsevi Zachvatkin, 1941: 388; Turk, 1948: 84; Klimov et al., 2007a: 1371; Klimov & OConnor, 2008: 237; Nazan et al., 2019

Sennertia (Sennertia) zhelochovtsevi Zachvatkin: Fain, 1981b: 148

Type locality: Greece

Distribution: Armenia, Greece, Iran, Turkey, Uzbekistan

Hosts: *Xylocopa olivieri*, *X. rufa* (Hymenoptera: Apidae, Xylocopinae)

Subgenus *Spinosenertia* Fain

Spinosenertia Fain, 1981b: 147; Klimov & OConnor, 2008: 147

Type species: *Sennertia argentina* Vitzthum, 1941

***Sennertia (Spinosenertia) argentina* Vitzthum**

Sennertia argentina Vitzthum, 1941: 309; Klimov & OConnor, 2008: 156

Sennertia (Spinosenertia) argentina Vitzthum: Fain, 1981b: 147

Type locality: Argentina

Distribution: Argentina, Brazil, Costa Rica, Guatemala, Mexico, Nicaragua, Panama, Peru, Suriname

Hosts: *Xylocopa (Neoxylocopa) fimbriata*, *X. (N.) frontalis*, *X. (N.) mexicanorum*, *X. (N.) nasica*, *X. (N.) nautlana* (Hymenoptera: Apidae, Xylocopinae)

***Sennertia (Spinosenertia) donaldi* Turk**

Sennertia donaldi Turk, 1948: 84; Klimov & OConnor, 2008: 148

Sennertia (Spinosenertia) argentina: Fain, 1981b: 176 (part.); Alzuet & Abrahamovich, 1987: 350 (part.); Haitlinger, 1999: 59 (part.)

Sennertia (*Spinosennertia*) *donaldi*: Klimov et al., 2007b: 130

Type locality: Piarco

Distribution: Brazil, Trinidad and Tobago, Venezuela

Hosts: *Xylocopa* (*Neoxylocopa*) *fimbriata*, *X. (N.) frontalis* (Hymenoptera: Apidae, Xylocopinae)

Speciae inquirendae and Taxa Incorrectly attributed to Chaetodactylidae – see in Klimov & OConnor, 2008

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(Names in **bold** are accepted as valid)

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- Armenia** (Zachvatkin, 1941) – *Sennertia zhelochovtsevi*
Belgium (Fain & Baugnée, 1996 ; Van Asselt, 2000; Klimov & OConnor, 2008) – *Chaetodactylus chrysidis*, *Ch. osmiae*
Bulgaria (Beron, 2010) – *Sennertia* sp.
Croatia (Klimov & OConnor, 2008) – *Chaetodactylus osmiae*
Czech Rep. (Oudemans, 1905) – *Chaetodactylus birulai* (= *poetae*), *Ch. reaumuri*
France (contin.) (Dufour, 1839;) – *Chaetodactylus anthidii*, *Ch. claviger*, *Ch. osmiae*, *Sennertia cerambycina*
Georgia (Klimov & OConnor, 2008) – *Chaetodactylus osmiae*, *Ch. reaumuri*,
Germany (Oudemans, 1905) – *Chaetodactylus chrysidis*, *Ch. osmiae*, *Ch. reaumuri*, *Sennertia cerambycina*
Great Britain (Michael, 1901; Turk, 1953) – *Chaetodactylus osmiae*
Greece (Zachvatkin, 1941) – *Ch. reaumuri*, *Sennertia cerambycina*, *S. zhelochovtsevi*
Holland (Eyndhoven, 1952; Siepel, Cremers & Vierbergen, 2016) – *Chaetodactylus birulai*, *Ch. osmiae*, *Sennertia cerambycina*
Hungary (Samšinak, 1973; Klimov & OConnor, 2008) – *Chaetodactylus osmiae* (= *mahunkai*)

Italy (contin.) (Oudemans, 1924, 1928; Fain, 1981b; Klimov & OConnor, 2008) – *Chaetodactylus claviger*, *Ch. osmiaie*, *Ch. reaumuri*, *Ch. zachvatkini*, *Sennertia cerambycina*

Luxemburg - *Chaetodactylus osmiaie*

Poland (Chmielewski, 1993) – *Chaetodactylus osmiaie*

Romania (Popovici-Bazosanu, 1913; Klimov & OConnor, 2008) – *Chaetodactylus osmiaie*

Russia (all, continent.) (Zachvatkin, 1941) – *Chaetodactylus birulai*, *Ch. dementjevi*, *Ch. osmiaie*

Crimea (Zachvatkin, 1941) - *Chaetodactylus reaumuri*

Serbia (Krunic et al., 2005) – *Chaetodactylus osmiaie*

Slovenia (Scopoli, 1763) – *Sennertia cerambycina*

Spain (cont.) (Fain, 1981b; Bosch, 1992) – *Chaetodactylus osmiaie*, *Ch. reaumuri*, *Ch. zachvatkini*, *Sennertia cerambycina*

Turkey (all) (Zachvatkin, 1941; Fain, 1981b) – *Ch. reaumuri*, *Sennertia gargantua*, *S. zhelochovtsevi*

Western Palaearctic (Zachvatkin, 1941) – *Chaetodactylus dementjevi*

AFRICA

Algeria (Zachvatkin, 1941) – *Sennertia cantabrica*

Angola *Sennertia varicosa*

Cameroon (Trägårdh, 1904; Klimov & OConnor, 2008) – *Achaetodactylus decellei*, *A. leleupi*, *Sennertia af. basilewskyi*, *S. simplex*

Congo DR (Fain, 1981b) – *Achaetodactylus decellei*, *A. leleupi*, *Sennertia basilewskyi*, *S. benoiti*, *S. ceratinarum*, *S. elseni*, *S. jeanalexi*, *S. leclercki*, *S. mesotrichia*, *S. monicae*, *S. morstatti*, *S. spinifera*, *S. tanythrix*, *S. varicosa*

Egypt (Elbadry, 1971; Sherbef & El-Duweini, 1980; Fain, 1981a) – *Chaetodactylus anthidii*, *Ch. claviger*, *Sennertia dalyi nilotica*, *S. duweinii*, *S. egyptiaca*

Ivory Coast (Fain, 1974) – *Sennertia benoiti*

Kenya (Fain, 1974) – *Achaetodactylus ceratinae*, *A. leleupi*, *Sennertia latipilis*

Madagascar (Fain, 1971; Haitlinger, 1999; Fain & Pauly, 2001) – *Chaetodactylus dalyi*, *Ch. ludwigi*, *Sennertia elseni*, *S. herminae*, *S. madagascarensis*

Mauricius (Haitlinger, 2000) - *Sennertia aldeodadi*

Mozambique (Fain, 1974) – *Chaetodactylus dalyi*

South Africa (Fain, 1974; Klimov & OConnor, 2008) – *Achaetodactylus ceratinae*, *Chaetodactylus dalyi*, *Sennertia caffra*, *S. capensis*, *S. ceratinarum*, *S. scutata*

Sudan – *Sennertia egyptiaca*, *S. morstatti*

Tanzania (Vitzthum, 1914, 1919) – *Achaetodactylus ceratinae*, *A. decellei*, *A. leleupi*, *Sennertia morstatti*, *S. perturbans*

Tunisia (Oudemans, 1911; Fain, 1980;) – *Chaetodactylus anthidii*, *Ch. reaumuri*, *Ch. zachvatkini*, *Sennertia dalyi*, *S. tunisiana*

Zimbabwe (Fain, 1974) – *Chaetodactylus dalyi*

ASIA

China (Zachvatkin, 1941) – *Sennertia alfkeni*, *S. cerambycinus*, *S. potanini*

Taiwan (Kawazoe et al., 2010) – *Sennertia horrida*

India (Oudemans, 1902 ; Ramaraju & Mohanasundaram, 2001; Fain & Pauly, 2001) – *Chaetodactylus ludwigi*, *Sennertia delfinadoae*, *S. hipposideros*, *S. horrida*, *S. indica*, *S. koptorthosomae*, *S. robusta* (= *carpenteri*), *S. vanderhammeni*

Indonesia (Vitzthum, 1912; Oudemans, 1924; Fain, 1971, 1981b;) – *Chaetodactylus ludwigi*, *Sennertia flabellifera*, *S. horrida* (= *sumatrensis*), *S. koptorthosomae*, *S. micheli*, *S. roepkei*, *S. vanderhammeni*, *S. vanderhammeni brevipilis*

Japan (Oudemans, 1901 ; Hirashima, 1957; Krombein, 1962; Fain, 1974 ; Kurosa, 1987, 2003; Qu et al., 2002; Okabe & Makino, 2002, 2005; Okabe, Makino & Endo, 2008; Kawazoe et al., 2010) – *Chaetodactylus hirashimai*, *Ch. nipponicus* (Tsushima Is., Honshu), *Sennertia alfkeni*, *S. horrida*, *S. japonicus*, *S. oudemansi*

Kazakhstan (Zachvatkin, 1941) – *Chaetodactylus dementjevi*

Korea (Kontschán et al., 2016) – *Sennertia alfkeni*

Malaysia (Fain, 1981b; Klimov & OConnor, 2007) – *Sennertia hipposideros*, *S. koptorthosomae*, *S. lauta*

Philippines (Klimov & OConnor, 2007) – *Sennertia lauta*

Sri Lanka (Oudemans, 1917; Klimov et OConnor, 2007) – *Sennertia greeni*, *S. koptorthosomae*, *S. ratiocinator*, *S. vanderhammeni*

Tajikistan (Zachvatkin, 1941) – *Sennertia gargantua*

Uzbekistan (Zachvatkin, 1941) – *Chaetodactylus dementjevi*, *Sennertia gargantua*, *S. zhelochovtsevi*

NORTH AMERICA

Canada (Klimov & OConnor, 2008) – *Chaetodactylus hopliti*, *Ch. krombeini*, *Ch. micheneri*

Mexico (Klimov & OConnor, 2007, 2008) – *Centriacarus turbator*, *Chaetodactylus abditus*, *Ch. melitomae*, *Roubikia officiosa*, *R. panamensis*, *Sennertia argentina*, *S. augustii*, *S. frontalis*, *S. haustriifera*, *S. hurdi*, *S. loricata*, *S. lucrosa*, *S. recondita*, *S. segnis*, *S. shimanukii*, *S. sodalis*, *S. vaga*

USA (Osborn, 1893; Baker, 1962; Klimov & OConnor, 2008; McKinney & Park, 2012) – *Chaetodactylus abditus*, *Ch. azteca*, *Ch. claudus*, *Ch. furunculus*, *Ch. gibbosi*, *Ch. hopliti*, *Ch. kouboy*, *Ch. krombeini*, *Ch. lithurgi*, *Ch. micheneri*, *Ch. rozeni*, *Sennertia americana*, *S. loricata*, *S. lucrosa*, *S. segnis*, *S. shimanukii*, *S. vaga*

Puerto Rico (Klimov & OConnor, 2008) – *Sennertia loricata*, *S. pirata*

Virgin Islands of the USA (Klimov & OConnor, 2008) – *Sennertia pirata*

SOUTH and CENTRAL AMERICA

Argentina (Vitzthum, 1941; Alzuet & Abrahamovich, 1989) – *Roubikia imberba*, *Sennertia argentina*, *S. augustii*, *S. frontalis*, *S. longipilis*, *S. splendidulae*

Bahamas (Klimov & OConnor, 2008) – *Sennertia pirata*

- Belize** (Klimov & OConnor, 2008) – *Sennertia recondita*
Bolivia (Klimov & OConnor, 2008) – *Roubikia panamensis*
Brazil (Klimov & OConnor, 2008) – *Centriacarus turbator*, *Roubikia panamensis*, *Sennertia argentina*, *S. donaldi*, *S. frontalis*
British Virgin Islands (Klimov & OConnor, 2008) – *Sennertia pirata*
Chile (contin.) (Klimov & OConnor, 2007; Montalva & Allendes, 2010) – *Chaetodactylus lassulus*, *Sennertia longipilis*
Colombia (Klimov & OConnor, 2008) – *Centriacarus turbator*
Costa Rica (Klimov & OConnor, 2007, 2008) – *Sennertia argentina*, *S. sayutara*, *S. sodalis*
Cuba (Klimov & OConnor, 2008) – *Sennertia pirata*
Dominican Republic (Klimov & OConnor, 2008) – *Chaetodactylus antillarum*
El Salvador (Klimov & OConnor, 2008) – *Sennertia scutata*
French Guiana (Klimov & OConnor, 2008) – *Roubikia panamensis*, *Sennertia surinamensis*
Guatemala (Baker & Delfinado-Baker, 1983;) – *Sennertia faini*, *S. scutata*, *S. shimanukii*
Honduras (Klimov & OConnor, 2007) – *Chaetodactylus melitomae*, *Sennertia frontalis*
Jamaica (Klimov & OConnor, 2008) – *Chaetodactylus antillarum*
Nicaragua (Klimov & OConnor, 2008) – *Sennertia argentina*
Panama (Baker, Roubik & Delfinado-Baker, 1987; Klimov & OConnor, 2008) – *Centriacarus turbator*, *Roubikia panamensis*, *Sennertia argentyina*, *S. frontalis*, *S. sodalis*, *S. surinamensis*
Peru (Delfinado & Baker, 1976; Klimov & OConnor, 2007, 2008) – *Roubikia latebrosa*, *Sennertia argentina*, *S. devincta*, *S. frontalis*, *S. ignota*
Suriname (Fain & Lukoschus, 1971) – *Sennertia argentina*, *S. frontalis*, *S. surinamensis*
Trinidad (Turk, 1948) – *Sennertia donaldi*
Uruguay (Klimov & OConnor, 2008) – *Sennertia augustii*
Venezuela (Klimov & OConnor, 2007) – *Centriacarus guahibo*, *Sennertia donaldi*, *S. frontalis*
Virgin Islands of the USA (Klimov & OConnor, 2008) – *Sennertia pirata*

OCEANIA

- Australia (continent)** (Womersley, 1941; Fain, 1982; Houston, 1992) – *Sennertia queenslandica*, *S. alfkeni*, *S. leei*
Papua New Guinea (Canestrini, 1897) – *Sennertia bifilis*
New Caledonia (Klimov & OConnor, 2008; Fain & Pauly, 2001) – *Chaetodactylus ludwigi*
Micronesia (Klimov & OConnor, 2008) – *Chaetodactylus ludwigi*
French Polynesia (Klimov & OConnor, 2008; Fain & Pauly, 2001) – *Chaetodactylus ludwigi*

? ANTARCTICA

- (Trägårdh, 1907) – *Sennertia antarctica*

Hosts of Chaetodactylidae

Insecta

Hymenoptera

Fam. Apidae

Subfam. Xylocopinae

- Ceratina aereola* - *Achaetodactylus decellei*
- Ceratina apaca* - *Achaetodactylus ceratinae*
- Ceratina cucurbitina* - *Sennertia tunisiana*
- Ceratina diloloensis* - *Achaetodactylus leleupi*
- Ceratina excavata* - *Achaetodactylus decellei*
- Ceratina exemia* - *Sennertia recondita*
- Ceratina lativentris* - *Achaetodactylus ceratinae*
- Ceratina nigriceps* - *Achaetodactylus ceratinae*
- Ceratina penicilligera* - *Sennertia latipilis*
- Ceratina ruwenzorica* - *Achaetodactylus leleupi*
- Ceratina spilota* - *Achaetodactylus leleupi*, *A. decellei*
- Ceratina turneri* - *Chaetodactylus dalyi*, *Sennertia ceratarum*
- Ceratina* sp. - *Sennertia benoiti*
- Xylocopa aerata* - *Sennertia leei*
- Xylocopa aestuans* - *Sennertia duweinii*, *S. egyptiaca*, *S. horrida*
- Xylocopa amethystina* - *Sennertia delfinadoae* (= *bakeri*), *S. ratiocinator*, *S. robusta*
- Xylocopa auripennis* - *Sennertia horrida*
- Xylocopa b. barbatella* - *Sennertia loricata*
- Xylocopa bhowara* - *Sennertia ratiocinator*
- Xylocopa bombylans* - *Sennertia leei*
- Xylocopa calens* - *Sennertia elseni*
- Xylocopa californica* - *Sennertia lucrosa*
- Xylocopa californica arizonensis* - *Sennertia segnis*
- Xylocopa clarionensis* - *Sennertia lucrosa*
- Xylocopa cubaecola* - *Sennertia pirata*
- Xylocopa dejeanii* - *Sennertia ratiocinator*
- Xylocopa fallax* - *Sennertia horrida*
- Xylocopa fimbriata* - *Sennertia argentina*, *S. donaldi*
- Xylocopa frontalis* - *Sennertia argentina*, *S. donaldi*
- Xylocopa guatemalensis* - *Sennertia lucrosa*
- Xylocopa imitator* - *Sennertia tanythrix*
- Xylocopa inconstans* - *Sennertia leclercqi*
- Xylocopa iridipennis* - *Sennertia horrida*

- Xylocopa latipes* - *Sennertia hipposideros*
Xylocopa lepeletieri - *Sennertia jeanallexi*
Xylocopa mcgregori - *Sennertia horrida*
Xylocopa mexicanorum - *Sennertia argentina*, *S. lucrosa*
Xylocopa micans - *Sennertia loricata*
Xylocopa mimetica - *Sennertia horrida*
Xylocopa mirabilis - *Sennertia madagascarensis*
Xylocopa mordax - *Sennertia loricata*, *S. pirata*
Xylocopa muscaria - *Sennertia loricata*
Xylocopa nasalis - *Sennertia dissimilis*, *S. horrida*, *S. oudemansi*
Xylocopa nautlana - *Sennertia argentina*
Xylocopa nigrita - *Sennertia jeanallexi*, *S. perturbans*, *S. simplex*, *S. tanythrix*
Xylocopa nitidiventris - *Sennertia cerambycina*
Xylocopa olivieri - *Sennertia zhelochovtsevi*
Xylocopa przewalskyi - *Sennertia cerambycina*
Xylocopa punctilabris - *Sennertia gargantua*
Xylocopa rufa - *Sennertia zhelochovtsevi*
Xylocopa scioensis (= *Mesotrichia bryorum*) - *Sennertia queenslandica*
Xylocopa sonorina - *Sennertia shimanukii*
Xylocopa splendidula splendidula -
Xylocopa tenuiscapa - *Sennertia greeni*, *S. hipposideros*, *S. koptorthosomae*, *S. vanderhammeni*
Xylocopa torrida - *Sennertia tanythrix*
Xylocopa tranquebarorum - *Sennertia potanini*
Xylocopa turanica - *Sennertia cerambycina*
Xylocopa valga - *Sennertia cerambycina*, *S. gargantua*
Xylocopa varentzowi - *Sennertia cerambycina*
Xylocopa varipuncta - *Sennertia lucrosa*
Xylocopa violacea - *Sennertia cerambycina*

Subfam. Apinae

- Apis mellifera* - *Chaetodactylus claviger*, *Sennertia faini*
Melitoma segmentaria - *Chaetodactylus melitomae*
Tetrapedia diversipes - *Roubikia panamensis*
T. maura - *Roubikia officiosa*
T. peckoltii - *Roubikia panamensis*
Tetrapedia sp. - *Roubikia imberba*, *R. latebrosa*

Fam. Megachilidae

- Chelostoma florissomne* - *Chaetodactylus birulai*
Hoplitis pilosifrons - *Chaetodactylus hopliti*
H. producta - *Chaetodactylus hopliti*

- Lithurgus antilleorum* – *Chaetodactylus antillarum*
L. apicalis – *Chaetodactylus kouboy*, Ch. *lithurgi*
L. atratus – *Chaetodactylus ludwigi*
L. echinocacti – *Chaetodactylus abditus*
L. gibbosus – *Chaetodactylus gibbosi*, Ch. *lithurgi*
L. littoralis – *Chaetodactylus lithurgi*
L. planifrons – *Chaetodactylus abditus*
L. scabrosus – *Chaetodactylus ludwigi*
Megachile bombycina – *Chaetodactylus dementjevi*
M. liguseca – *Chaetodactylus dementjevi*
Megachile sp. – *Chaetodactylus osmiae*
Osmia aurulenta – *Chaetodactylus chrysidis*
O. azteca – *Chaetodactylus azteca*
O. bicolor – *Chaetodactylus chrysidis*
O. bicornis – *Chaetodactylus osmiae*
O. brevicornis – *Chaetodactylus reaumuri*
O. brevis – *Chaetodactylus hopliti*
O. bucephala – *Chaetodactylus hopliti*
O. cornifrons – *Chaetodactylus hirashimai*, Ch. *krombeini*, Ch. *nipponicus*
O. cornuta – *Chaetodactylus osmiae*, Ch. *zachvatkini*
O. excavata – *Chaetodactylus hirashimai*, Ch. *nipponicus*
O. fronticornis – *Chaetodactylus osmiae*
O. georgica – *Chaetodactylus rozeni*
O. imaii – *Chaetodactylus hirashimai*
O. inermis – *Chaetodactylus hopliti*
O. kohlii – *Chaetodactylus osmiae*
O. latreillei – *Chaetodactylus zachvatkini*
O. leucogastra – *Chaetodactylus reaumuri*
O. niveata – *Chaetodactylus osmiae*, Ch. *zachvatkini*
O. pedicornis – *Chaetodactylus hirashimai*, Ch. *nipponicus*
O. rubriflorus – *Chaetodactylus claudus*
O. rufa – *Chaetodactylus osmiae*
O. rufiventris – *Chaetodactylus osmiae*, Ch. *reaumuri*
O. subaustralis – *Chaetodactylus micheneri*
O. taurus – *Chaetodactylus nipponicus*
O. tricornis – *Chaetodactylus claviger*, Ch. *osmiae*, Ch. *zachvatkini*
Rhodanthidium sticticum – *Chaetodactylus anthidii*
Trichorhurgus dubius – *Chaetodactylus lassulus*

Fam. Chrysididae

- Chrysis coerulans* – *Chaetodactylus rozeni*
Chrysis trimaculata – *Chaetodactylus chrysidis*

Fam. Vespidae

Vesputia germanica – *Chaetodactylus dementjevi*
Fam. Sphecidae
Isodontia mexicana – *Chaetodactylus hopliti*

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The Mite Family Hyadesiidae

Hyadesiidae Halbert, 1915: 53

The mites of the genera *Hyadesia* and *Amhyadesia* (total of 47 species, see Proches and Marshall, 2001), inhabit marine intertidal to littoral habitats, occurring on all coastlines and often associated with barnacles, algal mats. The Hyadesiids feed primarily on marine algae, but other organic debris may also be consumed. (Pugh & King, 1985a). Deutonymphs are never formed in the family, and dispersal is accomplished by feeding forms. The start of the studies of Hyadesiidae belongs to Mégnin (1891), who described the genus *Hyadesia*, to Michael (1893) and to Halbert (1915) – the author of the family. Major taxonomic contributions are due also to Fain, Fain & Schuster, Fain & Ganning, Marshall & Nunkumar, Luxton, Lohmann, Marshall & Ugrasen, Viets, Womersley and others. Important biological data are due to Schuster, Pugh, Matshall and other researchers of coastal habitats.

Composition of Hyadesiidae

Family Hyadesiidae Halbert, 1915–2 gen., 47 sp.

Amhyadesia Fain et Schuster, 1984–15 sp.

Hyadesia Mégnin, 1891–32 sp.

Catalogue of Hyadesiidae

Fam. **Hyadesiidae** Halbert

Hyadesidae Halbert, 1915: 53

Hyadesiidae: Fain, 1981: 47

Lentungulidae Berlese, 1897

Type genus: *Hyadesia* Mégnin, 1889

Genus ***Amhyadesia*** Fain et Schuster

Amhyadesia Fain & Schuster, 1984: 15

Type species: *Amhyadesia californica* Fain et Schuster, 1984

Amhyadesia atlantica Fain et Schuster

Amhyadesia atlantica Fain & Schuster, 1983: 420

Type locality: Penhurst Park, Main Island

Distribution: Bermudas

Amhyadesia australicana Marshall et Nunkumar

Amhyadesia australicana Marshall & Nunkumar, 1999: 173

Type locality: Sardinia Bay near Port Elizabeth

Distribution: South Africa

Amhyadesia bartschae Luxton

Amhyadesia bartschae Luxton, 1992: 229

Type locality: Hong Kong

Distribution: China

Amhyadesia bermudana Fain et Schuster

Amhyadesia bermudana Fain & Schuster, 1983: 418

Type locality: Crawl Hill, Main Island

Distribution: Bermudas

Amhyadesia brasiliensis Fain et Schuster

Amhyadesia brasiliensis Fain & Schuster, 1984b: 274

Type locality: south of São Sebastião (São Paulo State)

Distribution: Brazil

Amhyadesia bursaria Fain et Schuster

Amhyadesia bursaria Fain & Schuster, 1984a: 106

Type locality: Noumea, between Baie des Citrons and Anse Vata

Distribution: New Caledonia

Amhyadesia californica Fain et Ganning

Amhyadesia californica Fain & Ganning, 1979: 139

Type locality: California

Distribution: USA

Amhyadesia costaricensis Fain et Schuster

Amhyadesia costaricensis Fain & Schuster, 1984: 271

Type locality: Pacific coast, northern part of the Nat. park “Manuel Antonio”, Quepos

Distribution: Costa Rica

Amhyadesia elizabethensis Marshall et Nunkumar

Amhyadesia elizabethensis Marshall & Nunkumar, 1999: 176

Type locality: Sardinia Bay near Port Elizabeth

Distribution: South Africa

Amhyadesia heteromorpha Luxton

Amhyadesia heteromorpha Luxton, 1992a: 232

Type locality: Hong Kong

Distribution: China

Amhyadesia heterophallus Fain et Schuster

Amhyadesia heterophallus Fain & Schuster, 1984a: 103; Marshall & Nunkumar, 1999: 177

Type locality: Villingili Island, Male Atoll

Distribution: Maldives, Philippines, Mozambique, South Africa

Amhyadesia longipillis Fain et Schuster

Amhyadesia longipillis Fain & Schuster, 1984a: 109

Type locality: Pang-an Island

Distribution: Philippines

Amhyadesia madeirensis Fain et Schuster

Amhyadesia madeirensis Fain & Schuster, 1986: 4

Type locality: East of Caniçal

Distribution: Madeira (incl. Porto Santo)

Amhyadesia pacifica Fain et Schuster

Amhyadesia pacifica Fain & Schuster, 1984a: 109

Type locality: Coconut Island, Camotes Sea

Distribution: Philippines

Amhyadesia punctulata Luxton*Amhyadesia punctulata* Luxton, 1989a: 73; 1990: 374

Type locality: Auckland

Distribution: New Zealand

Genus ***Hyadesia*** Mégnin*Hyadesia* Mégnin, 1891: 53*Lentungula* Michael, 1893: 262Type species: *Hyadesia uncinifer* Mégnin, 1891Subgenus ***Hyadesia*** Mégnin*Hyadesia* Mégnin, 1891: 53; made subgenus by Fain, 1981*Parahyadesia* (unavailable name? No type species fixation)Type species: *Hyadesia uncinifer* Mégnin, 1891***Hyadesia (H.) agulhensis*** Marshall et Ugrasen*Hyadesia (Parahyadesia) agulhensis* Marshall & Ugrasen, 2000: 88

Type locality: South Africa

Distribution: South Africa

Hyadesia (H.) alexi Marshall et Chown*Hyadesia alexi* Marshall & Chown, 2003: 120

Type locality: Gough Island

Distribution: Gough Island (nr. Tristan da Cunha)

Hyadesia (H.) algivorans (Michael)*Lentungula algivorans* Michael, 1893: 262*Hyadesia algivorans* (Michael): Turk, 1953: 82; Fain, 1981: 55

Type locality: Cornwall, Land's End

Distribution: Great Britain,

Hyadesia (H.) arabica Fain et Schuster*Hyadesia (H.) arabica* Fain & Schuster, 1985: 68

Type locality: Red Sea at Al Ghardaqa

Distribution: Egypt

Hyadesia (H.) australiana Fain et Synnot*Hyadesia australiana* Fain & Synnot, 1981: 195

Type locality: Gunnamatta Beach, Mornington Peninsula, nr. Melbourne, Victoria

Distribution: Australia (Victoria)

Hyadesia (H.) benguelensis Marshall et Ugrasen*Hyadesia (Parahyadesia) benguelensis* Marshall & Ugrasen, 2000

Type locality: Angola

Distribution: Angola, South Africa

Hyadesia (H.) curassaviensis Viets*Hyadesia curassaviensis* Viets, 1936: 426; Fain, 1981: 53

Type locality: Curaçao, Riftwal nr. Willemstad

Distribution: Curaçao

Hyadesia (H.) fusca (Lohmann)*Lentungula fusca* Lohmann, 1894: 85; Canestrini & Kramer, 1899: 136; Halbert, 1915: 108*Hyadesia fusca* (Lohmann): Halbert, 1920: 137; Willmann, 1937: 167; Sellnick, 1949: 127; Turk, 1953: 82*Hyadesia (H.) fusca* (Lohmann): Fain & Ganning, 1989: 163*Hyadesia furcillipes* Benard, 1961: 81. Type: France (syn. by Fain, 1981)

Type locality: Helgoland Island (Germany)

Distribution: Belgium, France, Germany, Great Britain, Finland, Holland, Ireland, Norway, Sweden, USA

Hyadesia (H.) glynni Manson*Hyadesia glynni* Manson, 1963: 163

Type locality: Hopkins Marine Station, Pacific Grove, California

Distribution: USA (California)

Hyadesia (H.) halophila Fain*Hyadesia (Hyadesia) halophila* Fain, 1974: 699

Type locality: Kerguelen Island

Distribution: Kerguelen Island

Hyadesia (H.) heteromorpha Marshall et Ugrasen*Hyadesia (Parahyadesia) heteromorpha* Marshall & Ugrasen, 2000: 87

Type locality: South Africa

Distribution: South Africa

Hyadesia (H.) maxima Fain, Sømme et Block*Hyadesia maxima* Fain, Sømme & Block, 1983: 171

Type locality: South Georgia, Maiviken and Sooty Bluff

Distribution: South Georgia

***Hyadesia (H.) microseta* Luxton**

Hyadesia (H.) microseta Luxton, 1989a: 81; 1990: 376

Type locality: Auckland

Distribution: New Zealand

***Hyadesia (H.) mollis* Luxton**

Hyadesia (Parahyadesia) mollis Luxton, 1989a: 81; 1990: 378

Type locality: Auckland

Distribution: New Zealand (Auckland)

***Hyadesia (H.) nearctica* Fain et Ganning**

Hyadesia (H.) nearctica Fain & Ganning, 1978: 215

Type locality: from Saint John, New Brunswick, Canada throughout the coast of Main, New Hampshire to Cape Ann, Massachusetts, USA

Distribution: Canada, USA

***Hyadesia (H.) pakistanensis* Fain et Schuster**

Hyadesia pakistanensis Fain & Schuster, 1985: 73

Type locality: Paradise Point near Karachi

Distribution: Pakistan

***Hyadesia (H.) paulensis* Fain**

Hyadesia (H.) paulensis Fain, 1975b: 157

Type locality: St. Paul Is.

Distribution: St. Paul Is.

***Hyadesia (H.) plicata* Luxton**

Hyadesia (Parahyadesia) plicata Luxton, 1989a: 84; 1990: 378

Type locality: Chatham Islands

Distribution: New Zealand (Chatham Islands)

***Hyadesia (H.) reticulata* Luxton**

Hyadesia (Parahyadesia) reticulata Luxton, 1989a: 88; 1990: 378

Type locality: Kaikoura

Distribution: New Zealand

***Hyadesia (H.) sanjuanensis* Fain et Ganning**

Hyadesia (H.) sanjuanensis Fain & Ganning, 1989: 162

Type locality: San Juan Archip., Friday Harbor Marine Lab.

Distribution: USA (State of Washington)

Hyadesia (H.) sellai Viets

Hyadesia sellai Viets, 1937: 3; Fain, 1981: 54

Type locality: Rovinj, Split

Distribution: Croatia

Hyadesia (H.) subantarctica Fain

Hyadesia (Hyadesia) subantarctica Fain, 1974: 702

Type locality: Kerguelen Island

Distribution: Kerguelen Island

Hyadesia (H.) tenuipilis Fain

Hyadesia fusca tenuipilis Fain, 1979: 131

Type locality: Abo

Distribution: Finland

Hyadesia (H.) tessellata Luxton

Hyadesia (Parahyadesia) tessellata Luxton, 1989a: 91; 1990: 378

Type locality: Dunedin

Distribution: New Zealand

Hyadesia (H.) travei Fain

Hyadesia (H.) travei Fain, 1975b: 153

Type locality: Saint-Paul Isl.

Distribution: Saint-Paul and New Amsterdam Islands

Hyadesia (H.) tumida Benard

Hyadesia tumida Benard, 1961: 71

Type locality: Roscoff, Bloscon (Brittany), Cotentin (Normandy)

Distribution: France

Hyadesia (H.) uncinifer Mégnin

Hyadesia uncinifer Mégnin, 1889: 51

Type locality: Tierra del Fuego

Distribution: Tierra del Fuego

Hyadesia (H.) verrucosa Fain et Schuster

Hyadesia verrucosa Fain & Schuster, 1985: 70

Type locality: Rovinj

Distribution: Croatia

Hyadesia (H.) vietsi Womersley*Hyadesia vietsi* Womersley, 1961: 204; Fain, 1979: 127

Type locality: Biak Is.

Distribution: Indonesia (Papua)

Hyadesia (H.) womersleyi Luxton*Hyadesia womersleyi* Luxton, 1989b: 407

Type locality: Macquarie Island

Distribution: Macquarie Island

Hyadesia (H.) zelandica Luxton*Hyadesia zelandica* Luxton, 1984: 293; 1990: 376

Type locality: Auckland

Distribution: New Zealand, Auckland

Subgenus ***Hyadesiella*** Fain*Hyadesiella* Fain, 1974: 693Type species: *Hyadesia kerguelensis* Lohmann, 1907***Hyadesia (Hyadesiella) kerguelensis*** Lohmann*Hyadesia kerguelensis* Lohmann, 1907: 369*Hyadesia (Hyadesiella) kerguelensis* Lohmann: Fain, 1974: 693

Type locality: Kerguelen Island

Distribution: Kerguelen Island

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(Names in **bold** are accepted as valid)*agulhensis*, *Hyadesia* 306*alexi*, *Hyadesia* 306*algivorans*, *Hyadesia* 306*algivorans*, *Lentungula* 306***Amhyadesia*** 304*arabica*, *Hyadesia* 306*atlantica*, ***Amhyadesia*** 304*austraficana*, ***Amhyadesia*** 304*australiana*, *Hyadesia* 306*bartschae*, ***Amhyadesia*** 304*benguelensis*, *Hyadesia* 307*bermudana*, ***Amhyadesia*** 304*brasiliensis*, ***Amhyadesia*** 304*bursaria*, ***Amhyadesia*** 304*californica*, ***Amhyadesia*** 305*costaricensis*, ***Amhyadesia*** 305*curassaviensis*, *Hyadesia* 307*elizabethensis*, ***Amhyadesia*** 305*furcillipes*, *Hyadesia* 307*fusca*, *Hyadesia* 307*fusca*, *Lentungula* 307*glynni*, *Hyadesia* 307*halophila*, *Hyadesia* 307*heteromorpha*, ***Amhyadesia*** 305

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Distribution of Hyadesiidae

EUROPE

Belgium (Fain, 1979) – *Hyadesia fusca*
Croatia (Viets, 1937; Fain & Schuster, 1985) – *Hyadesia* (H.) *sellai*, H. (H.) *verrucosa*
Finland (Fain, 1979) – *Hyadesia fusca*, H. *tenuipilis*
France (contin.) (Benard, 1961) – *Hyadesia fusca* (= *furcillipes*), H. *tumida*
Germany (Lohmann, 1894; Willmann, 1937) – *Hyadesia fusca*
Great Britain (Michael, 1893; Turk, 1953) – *Hyadesia algivorans*, H. *fusca*
Holland (Oudemans, 1927; Pugh & King, 1985) – *Hyadesia fusca*
Ireland (Halbert, 1920) – *Hyadesia fusca*
Madeira (Fain & Schuster, 1986) – *Amhyadesia madeirensis*, *Hyadesia* (H.) *verrucosa*
Sweden (Sellnick, 1949; Ganning, 1970) – *Hyadesia fusca*

AFRICA

Angola (Marshall & Ugrasen, 2000) – *Hyadesia benguelensis*
Egypt (Fain & Schuster, 1985) – *Hyadesia* (H.) *arabica*
South Africa (Marshall & Nunkumar, 1999; Marshall & Ugrasen, 2000) – *Amhyadesia austroafricana*, A. *elizabethensis*, *Hyadesia agulhensis*, H. *benguelensis*

ASIA

China (Luxton, 1992a) – *Amhyadesia bartschae*, A. *heteromorpha* [Hong Kong]

Indonesia (Womersley, 1961) – *Hyadesia vietsi* [Papua, Biak Isl.]

Maldivian Islands (Fain & Schuster, 1984a) – *Amhyadesia heterophallus*

Pakistan (Fain & Schuster, 1985) – *Hyadesia* (*H.*) *pakistanensis*

Philippines (Talker, Alberti & Sotto, 1981; Fain & Schuster, 1984a) – *Amhyadesia heterophallus*, *A. longipilis*, *A. pacifica*

NORTH AMERICA

Bermuda Islands (Fain & Ganning, 1989; Fain & Schuster, 1983) – *Amhyadesia atlantica*, *A. bermudana*

Canada (Fain & Ganning, 1978, 1979, 1989) – *Hyadesia nearctica*

USA (Manson, 1963; Fain & Ganning, 1979, 1989) – *Amhyadesia californica*, *A. glynni*, *Hyadesia fusca*, *H. sanjuanensis*, *H. nearctica*

SOUTH and CENTRAL AMERICA

Argentina (Megnin, 1891) – *Hyadesia uncinifer* (Tierra del Fuego)

Brazil (Fain & Schuster, 1984b) – *Amhyadesia brasiliensis*

Costa Rica (Fain & Schuster, 1984b) – *Amhyadesia costaricensis*

Curaçao (Viets, 1936) – *Hyadesia curassaviensis*

ATLANTIC OCEAN

Gough Island (Marshall & Chown, 2003) – *Hyadesia alexi*

Saint Paul and New Amsterdam Islands (Fain, 1975a, b) – *Hyadesia paulensis*, *H. travei*

OCEANIA

Australia (continent) (Fain & Synnot, 1981) – *Hyadesia australiana*

New Zealand (Luxton, 1984, 1989, 1990) – *Amhyadesia punctulata*, *Hyadesia microseta*, *H. mollis*, *H. reticulata*, *H. tessellata*, *H. zelandica*

New Caledonia (Fain & Schuster, 1984a) – *Amhyadesia bursaria*

ANTARCTICA

South Georgia (Fain, Sømme & Block, 1983) – *Hyadesia maxima*

Kerguelen Island (Lohmann, 1907; Fain, 1974) – *Hyadesia halophila*, *H. subantarctica*, *H. (Hyadesiella) kerguelensis*

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The Mite Family Algophagidae Fain

Algophaginae Fain, 1974: 703

Algophagidae Fain, 1981: 49

The small family Algophagidae (eight genera, 17 species) was proposed by A. Fain, first as subfamily (1974), than as family (1981). The first genera (*Hericia* G. Canestrini, 1888, *Fusohericia* Vitzthum, 1931, *Algophagus* Hughes, 1955) and species have been described much earlier, but only with the intensifying of the Antarctic and subantarctic research many new taxa (mainly of Algophaginae) were discovered by Fain & Johnston (1975),

Hughes & Goodman (1969), Cruz & Socarras (1992 - Cuba), Fashing, O'Connor & Kitching (2000), Marshall, O'Connor & Pugh (2001, 2003), and others.

These peculiar mites are aquatic, with various species inhabiting sap flows on trees (*Hericia*, *Fusohericia*), water filled tree holes (*Lamingtonacarus*), rivers and lakes (*Algophagopsis*), or other aquatic or subaquatic habitats (O'Connor, 2009) up to 100 m (Anderson & Krantz, 1993). Species of *Algophagus* and *Neohyadesia* are generally restricted to subantarctic islands. They range from coastal brackish pools to inland tussock grass soils, where they feed primarily on algae (Goddard 1982; Marshall, O'Connor & Pugh, 2003, generalized by O'Connor, 2009). Genital papillae are strongly reduced in Algophagidae, but the uniquely developed axillary organs between legs I—II characterize the family.

The sap inhabiting taxa of the algophagid subfamily Hericiinae form deutonymphs for dispersal on sap frequenting Coleoptera (Nitidulidae, Nosodendridae) and Lepidoptera (O'Connor, 2009). The algophagine genus *Lamingtonacarus oreillyorum* is known to form deutonymphs, but these have not been collected from any insect host. O'Connor and Moser (1985) proposed generic phylogenetic analysis.

Composition of Algophagidae

Fam. Algophagidae Fain, 1981–9 gen., 24 sp.

Subfam. Algophaginae Fain, 1974–14 sp.

Algophagopsis Fain et Johnston, 1975–1 sp.

Algophagus Hughes, 1955–6 sp.

Lamingtonacarus Fashing, O'Connor et Kitching, 2000–2 sp.

Neohyadesia Hughes et Goodman, 1969–3 sp.

Terraphagus Clark et Andrews, 2012–1 sp.

Thalassophagacarus J. de la Cruz et Socarras, 1992–1 sp.

Subfam. Hericiinae O'Connor et Moser, 1985–10 sp.

Fusohericia Vitzthum, 1931–3 sp.

Hericia G. Canestrini, 1888–6 sp.

Prohericia O'Connor et Moser, 1985–1 sp.

Catalogue of Algophagidae

Fam. Algophagidae Fain

Algophaginae Fain, 1974: 703

Algophagidae Fain: Fain, 1981: 49

Type genus: *Algophagus* Hughes, 1955

Subfam. Algophaginae Fain

Algophaginae Fain, 1974: 703

Type genus: *Algophagus* Hughes, 1955

Genus ***Algophagopsis*** Fain et Johnston

Algophagopsis Fain & Johnston, 1975: 67

Type species: *Algophagopsis pneumatica* Fain et Johnston, 1975

Algophagopsis pneumatica Fain et Johnston

Algophagopsis pneumatica Fain & Johnston, 1975: 67

Type locality: Kings River, California

Distribution: USA (California)

Genus ***Algophagus*** Hughes

Algophagus Hughes, 1955: 1

Type species: *Algophagus antarcticus* Hughes, 1955

Algophagus antarcticus Hughes

Algophagus antarcticus Hughes, 1955: 1; OConnor & Pugh, 2003: 39

Type locality: Heard Island

Distribution: Heard Island, Kerguelen Island

Algophagus brachytarsus OConnor et Pugh

Algophagus brachytarsus OConnor & Pugh, 2003: 41

Type locality: Prince Edward Islands

Distribution: Prince Edward Islands

Algophagus laticollaris Fain

Algophagus antarcticus laticollaris Fain, 1974: 704

Algophagus laticollaris Fain: OConnor & Pugh, 2003: 39

Type locality: Kerguelen I.

Distribution: Kerguelen I.

Algophagus macrolithus OConnor et Pugh

Algophagus macrolithus OConnor & Pugh, 2003: 43

Type locality: Prince Edward Islands

Distribution: Prince Edward Islands

Algophagus pennsylvanicus Fashing et Wiseman

Algophagus pennsylvanicus Fashing & Wiseman, 1980: 79

Type locality: Cook Forest State Park, Forest County, Pennsylvania

Distribution: USA

Algophagus semicollaris Fain

Algophagus semicollaris Fain, 1974: 704; Fedorova, Fedorov, Stavsky, Matyukhina & Voronin 1980: 82

Type locality: Kerguelen Island

Distribution: Kerguelen Island

Genus *Lamingtonacarus* Fashing, OConnor et Kitching

Lamingtonacarus Fashing, OConnor & Kitching, 2000: 592

Type species: *Lamingtonacarus oreillyorum* Fashing, OConnor et Kitching, 2000

Lamingtonacarus oreillyorum Fashing, OConnor et Kitching

Lamingtonacarus oreillyorum Fashing, OConnor & Kitching, 2000: 592

Type locality: Lamington National Park, Box Forest; Queensland

Distribution: Australia (Queensland)

Lamingtonacarus posidonis Fashing, OConnor et Kitching

Lamingtonacarus posidonis Fashing, OConnor & Kitching, 2000: 599

Type locality: Lamington National Park, Box Forest; Queensland

Distribution: Australia (Queensland)

Genus *Neohyadesia* Hughes et Goodman

Neohyadesia Hughes & Goodman, 1969: 39

Type species: *Neohyadesia signyi* Hughes et Goodman, 1969

Neohyadesia microtricha Marshall, OConnor et Pugh

Neohyadesia microtricha Marshall, OConnor & Pugh, 2001: 101

Type locality: Marion Island (Prince Edward Islands, South Georgia, Trypot beach)

Distribution: Indian Ocean islands

Neohyadesia minor Clark et Andrews

Neohyadesia minor Clark & Andrews, 2012: 1478

Type locality: Lake Forsyth/Wairewa, Canterbury

Distribution: New Zealand

Neohyadesia signyi Hughes et Goodman

Neohyadesia signyi Hughes & Goodman, 1969: 39

Type locality: Signy Island

Distribution: South Orkney Islands

Neohyadesia signyi punctulata Fain

Neohyadesia signyi punctulata Fain, 1974: 706

Type locality: Kerguelen Island

Distribution: Kerguelen Island

Genus ***Terraphagus*** Clark et Andrews

Terraphagus Clark & Andrews, 2012: 1476

Type species: *Terraphagus antipodus* Clark et Andrews, 2012

Terraphagus antipodus Clark et Andrews

Terraphagus antipodus Clark & Andrews, 2012: 1476

Type locality: Antipodes Islands

Distribution: Antipodes Islands

Host: from grey petrel *Procellaria cinerea* burrow soil

Genus ***Thalassophagacarus*** J. de la Cruz et Socarras

Thalassophagacarus J. de la Cruz & Socarras, 1992: 1

Type species: *Thalassophagacarus faime* J. de la Cruz et Socarras, 1992

Thalassophagacarus faime J. de la Cruz et Socarras

Thalassophagacarus faime J. de la Cruz & Socarras, 1992: 2

Type locality: “playa cercana al Faro Roncali, Cabo de San Antonio, Pinar del Rio”

Distribution: Cuba

Subfam. **Hericiinae** OConnor et Moser

Hericiinae OConnor & Moser, 1985: 786

Type genus: *Hericia* G. Canestrini, 1888

Genus ***Fusohericia*** Vitzthum

Fusohericia Vitzthum, 1931: 98

Type species: *Fusohericia incredibilis* Vitzthum, 1931

Fusohericia incredibilis Vitzthum

Fusohericia incredibilis Vitzthum, 1931: 98

Type locality: South Sumatra

Distribution: Indonesia (Sumatra)

Fusohericia heliconiae Fashing et Glist

Fusohericia heliconiae Fashing & Glist, 2012: 591

Type locality: La Selva Biological Station and Reserve, Heredia Province

Distribution: Costa Rica

Fusohericia lawrencei Baker et Crossley*Fusohericia lawrencei* Baker & Crossley, 1964: 4Type locality: treehole, trunk of yellow poplar, *Liriodendron tulipijera*, Roane County, Tennessee

Distribution: USA (Tennessee)

Genus ***Hericia*** G.Canestrini*Hericia* G. Canestrini, 1888: 6Type species: *Glyciphagus hericius* Robin, 1868***Hericia fermentationis*** Vitzthum*Hericia fermentationis* Vitzthum, 1931: 85

Type locality: Sumatra

Distribution: Indonesia (Sumatra)

Hericia georgei Michael*Hericia georgei* Michael, 1903: 38; Samšinák, 1972: 65; Haitlinger, 2002: 68; Fashing, 2008: 5

Type locality: Great Britain

Distribution: Great Britain, Finland, France, Poland, Russia

Hosts: *Cetonia aurata*, *Potosia cuprea metallica* (Coleoptera: Scarabaeidae), *Catocala sponsa*, *C. nupta*, *C. adultera*, *C. elocata*, *C. neonympha*, *C. promissa*, *C. pacta*, *C. fraxini* (Lepidoptera: Noctuidae), *Cossus cossus* (Lep.: Cossidae), *Nymphalis antiopa*, *N. atalanta*, *Polygonia c-album*, *Acrionicta [Apatele] psi*, *Europis occulta* (Nymphalidae), *Scoliopteryx libatrix* (Erebidae)***Hericia hericia*** (Robin)*Glyciphagus hericius* Robin, 1868: 607*Hericia robini* Michael, 1903 (synonymy 1868–1903)*Hericia hericia* (Robin): Zachvatkin, 1941

Type locality: France

Distribution: England, France, Germany, Italy

Hericia janehenleyi Fashing*Hericia janehenleyi* Fashing, 2008: 7

Type species: Newport News, Eastern Virginia

Distribution: USA

Host: *Glischrochilus obtusus* (Coleoptera, Nitidulidae).***Hericia paradoxa*** Türk et Türk*Hericia* (?) *paradoxa* Türk & Türk, 1957: 180

Type species: Erlangen

Distribution: Germany

Hericia sanukiensis Fashing*Hericia sanukiensis* Fashing & Okabe, 2006: 3

Type locality: Takamatsu City, Kagawa Prefecture

Distribution: Japan

Host: *Librodor japonicus* (Coleoptera: Nitidulidae)Genus ***Prohericia*** OConnor et Moser*Prohericia* OConnor & Moser, 1985: 783Type species: *Prohericia longipes* OConnor et Moser, 1985***Prohericia longipes*** OConnor et Moser*Prohericia longipes* OConnor & Moser, 1985: 783

Type locality: Germany

Distribution: Germany

Index of Algophagidae

(Names in **bold** are accepted as valid)**Algophagidae** 316**Algophaginae** 316***Algophagopsis*** 317***Algophagus*** 317*antarcticus*, ***Algophagus*** 317*antipodus*, ***Terraphagus*** 319*brachytarsus*, ***Algophagus*** 317*faime*, ***Thalassophagacarus*** 319*fermentationis*, ***Hericia*** 320***Fusohericia*** 319*georgei*, ***Hericia*** 320*heliconiae*, ***Fusohericia*** 319***Hericia*** 320*hericia*, ***Hericia*** 320**Hericiinae** 319*hericius*, ***Glyciphagus*** 320*incredibilis*, ***Fusohericia*** 319*janehenleyi*, ***Hericia*** 320***Lamingtonacarus*** 318*laticollaris*, ***Algophagus*** 317*laticollaris*, ***Algophagus antarcticus*** 317*lawrencei*, ***Fusohericia*** 320*longipes*, ***Prohericia*** 321*macrolithus*, ***Algophagus*** 317*microtricha*, ***Neohyadesia*** 318*minor*, ***Neohyadesia*** 318***Neohyadesia*** 318*oreillyorum*, ***Lamingtonacarus*** 318*paradoxa*, ***Hericia*** 320*pennsylvanicus*, ***Algophagus*** 317*pneumatica*, ***Algophagopsis*** 317*posidonis*, ***Lamingtonacarus*** 318***Prohericia*** 321*punctulata*, ***Neohyadesia signyi*** 318*robini*, ***Hericia*** 320*sanukiensis*, ***Hericia*** 321*semicollaris*, ***Algophagus*** 318*signyi*, ***Neohyadesia*** 318***Terraphagus*** 319***Thalassophagacarus*** 319

Distribution of Algophagidae

EUROPE

Finland (Samšinák, 1972) – *Hericia georgei*

France (contin.) (Türk & Türk, 1957) – *Hericia georgei*, *H. hericia*

Germany (Türk & Türk, 1957; OConnor & Moser, 1985) – *Hericia hericia*, *H. paradoxa*,
Prohericia longipes

Great Britain (Michael, 1903) – *Hericia georgei*, *H. hericia*

Italy (Bernini et al., 1995) – *Hericia hericia*

Poland (Haitlinger, 2002, 2004) – *Hericia georgei*

Russia (all, continent.) (Samšinák, 1972) – *Hericia georgei*

ASIA

Indonesia (Vitzthum, 1931) – *Hericia fermentationis* (Sumatra), *Fusohericia incredibilis*
(Sumatra)

Japan (Fashing & Okabe, 2006; Hayashi, Ichikawa & Yasui, 2010) – *Hericia sanukiensis*

NORTH AMERICA

USA (Baker & Crossley, 1964; Fain & Johnston, 1975; Fashing, 2008) – *Algophagopsis*
pneumatica, *Hericia janehenleyi*, *Fusohericia lawrencei*

SOUTH and CENTRAL AMERICA

Costa Rica (Fashing, 2012) – *Fusohericia heliconiae*

Cuba (Cruz & Socarras, 1992) – *Thalassophagacarus faime*

OCEANIA

Australia (continent) (Fashing, OConnor & Kitching, 2000) – *Lamingtonacarus oreil-*
lyorum, *L. posidonis*

New Zealand (Clark & Andrews, 2012) – *Neohyadesia minor*

Antipodes Islands, New Zealand (Clark & Andrews, 2012) – *Terraphagus antipodus*

ANTARCTICA

Heard Island (Hughes, 1955) – *Algophagus antarcticus*

Kerguelen Island (Fain, 1974) – *Algophagus antarcticus*, *A. laticollaris*, *A. semicollaris*,
Neohyadesia signyi punctulata

South Orkney Islands (Hughes & Goodman, 1969) – *Neohyadesia signyi*

Marion island (Marshall, OConnor & Pugh, 2001) – *Neohyadesia microtricha*

South Georgia (Marshall, OConnor & Pugh, 2001) – *Neohyadesia microtricha*

Prince Edward Islands (Marshall et al., 1999; Marshall, OConnor & Pugh, 2003) – *Al-*
gophagus brachytarsus, *A. macrolithus*

Hosts of Algophagidae

Insecta

Coleoptera

Fam. Scarabaeidae

Cetonia aurata - *Hericia georgei*

Potosia cuprea metallica - *Hericia georgei*

Fam. Nitidulidae

Glischrochilus obtusus - *Hericia janehenleyi*

Librodor japonicus - *Hericia sanukiensis*

Lepidoptera

Fam. Noctuidae

Catocala sponsa - *Hericia georgei*

C. nupta - *Hericia georgei*

C. adultera - *Hericia georgei*

C. elocata - *Hericia georgei*

C. neonympha - *Hericia georgei*

C. promissa - *Hericia georgei*

C. pacta - *Hericia georgei*

C. fraxini - *Hericia georgei*

Nymphalis antiopa - *Hericia georgei*

N. atalanta - *Hericia georgei*

Polygonia c-album - *Hericia georgei*

Acronicta [Apatele] psi - *Hericia georgei*

Fam. Nymphalidae

Europis occulta - *Hericia georgei*

Fam. Erebidae

Scoliopteryx libatrix - *Hericia georgei*

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The Mite Family Hemisarcoptidae

Hemisarcoptidae Oudemans, 1908: 60

Hemisarcoptoid mites are common inhabitants of various arboreal or aquatic habitats, with many species specialized as inquilines in nests of Hymenoptera.

Linobia coccinellae is ectoparasite (hematophagous) of *Chrysomela populi* and *Ch. saliceti* (Coleoptera: Chrysomelidae). Other *Linobia* species have been described on the plant *Eichhornia crassipes* in Egypt (Soliman, Hussein & Ramadan, 1991). According to OConnor (1982), "Deutonymphs of *Hemisarcoptes* are known to be phoretic only on coccinellid beetles of the genus *Chilocorus*, which feeds exclusively on scale insects". *Hemisarcoptes* species are used for control of scale insects (Coccoidea), as they are predaceous on the eggs and adults of these insects (Gerson, 1967). The peculiar *Espeletiacarus andinus* Fain, 1987 is known from the high Andes in Colombia on the flowers of *Espeletia incana*.

Composition of Hemisarcoptidae

Fam. Hemisarcoptidae - 8 gen., 24 sp.

Divilia Sevastjanov, 1969–3 sp.

Espeletiacarus Fain, 1987–1 sp.

Hemisarcoptes Lignières, 1893–5 sp.

Huronopus OConnor et Houck, 1989–1 sp.

Linobia Berlese, 1884–4 sp.

Nanacarus Oudemans, 1902–8 sp.

Pasohopus OConnor et Houck, 1989–1 sp.

Superioropus OConnor et Houck, 1989–1 sp.

Catalogue of Hemisarcoptidae

Family **Hemisarcoptidae** Oudemans

Hemisarcoptidae Oudemans, 1908: 60

Nanacaridae Oudemans, 1923: 206

Linobiidae Oudemans, 1908

Type genus: *Hemisarcoptes* Lignières, 1893

Genus ***Divilia*** Sevastjanov

Divilia Sevastjanov, 1969: 447 [Diagnostic, Fain, Hurst, Tweddle, Lachlan, Majerus & Britt 1995: 103]

Type species: *Divilia oculata* Sevestjanov, 1969

Divilia exigua Fain, Hurst, Fassotte, Webberley, Sloggett et Majerus

Divilia exigua Fain, Hurst, Fassotte, Webberley, Sloggett & Majerus, 1997: 91

Type locality: Torun

Distribution: Poland

Host: *Vibidia duodecimguttata* (Coleoptera: Coccinellidae)

Divilia occidentalis Fain, Hurst, Tweddle, Lachlan, Majerus et Britt

Divilia occidentalis Fain, Hurst, Tweddle, Lachlan, Majerus & Britt, 1995: 103

Type locality: England

Distribution: England

Host: *Chilocorus renipustulatus* (Coleoptera: Coccinellidae, Chilocorinae)

Divilia oculata Sevestjanov

Divilia oculata Sevestjanov, 1969: 447

Type locality: Ukraine

Distribution: Russia, Ukraine

Hosts: *Lasius fuliginorus*, *Formica polycetena*, *F. rufa* (Hymenoptera: Formicidae)

Divillia sp.

Hosts: *Chrysops univittatus*, *Hybomitra epistates*, *H. frontalis*, *H. lasiophthalma*, *H. nuda*, *Tabanus quinquevittatus* (Canada)

Genus ***Espeletiacarus*** Fain

Espeletiacarus Fain, 1987: 37

Type species: *Espeletiacarus andinus* Fain, 1987

Espeletiacarus andinus Fain

Espeletiacarus andinus Fain, 1987: 38

Type locality: Páramo La Rusia, ca. 200 km NNW of Bogotá, 10 km N of Duitame, alt. 3550 m

Distribution: Colombia

Host: from a flower of *Espeletia incana*

[Genus ***Giardius*** Perraud, 1896; placement? Nanacaridae]

[*Giardius vitis* Perraud, 1896]

Genus ***Hemisarcoptes*** Lignières

Hemisarcoptes Lignières, 1893: 16; [Diagnostic: Fain, 1988: 127]

Subgenus *Coleovidia* H. A. Thomas

Vidia (*Coleovidia*) H. A. Thomas, 1961: 461 [syn. of *Hemisarcoptes* by Gerson 1967: 637].

Type species: *Vidia cooremani* H. A. Thomas, 1961

Type species: *Acarus malus* Shimer, 1868

Hemisarcoptes budensis Fain et Ripka

Hemisarcoptes budensis Fain & Ripka, 1998: 35

Type locality: Budapest

Distribution: Hungary

Hosts: *Chilocorus renipustulatus* (Coleoptera: Coccinellidae) & Coccoidea (Hemiptera)

Hemisarcoptes coccophagus Meyer

Hemisarcoptes coccophagus Meyer, 1962: 414; Charles, Hill & Allan, 1995: 297; Houk, 1999: 100

Type locality: Letaba, Transvaal, South Africa

Distribution: New Zealand, South Africa

Hemisarcoptes cooremani (Thomas)

Vidia (*Coleovidia*) *cooremani* Thomas, 1961: 461

Hemisarcoptes cooremani (Thomas): syn. by Gerson, 1967: 637; Houck & OConnor, 1990: 870

Type locality: Weslaco, Texas

Distribution: USA

Host: *Chilocorus cacti* (Coleoptera: Coccinellidae)

Hemisarcoptes dzhashii K. Dzhibladze

Hemisarcoptes dzhashii K. Dzhibladze, 1969: 435; Rekk, 1976: 40

Type locality: Zelenyy Cape

Distribution: Georgia

Hemisarcoptes malus (Shimer)

Acarus malus Shimer, 1868: 368

Hemisarcoptes malus (Shimer): André, 1942: 173; Cooreman, 1951: 30; Redescription: Vacante 1985: 750; Abdelgayed et al., 2019: 32

Hemisarcoptes coccisugus Lignières, 1893: 75

Type locality: Mt. Carroll, Illinois

Distribution: Algeria, Canada, Egypt, Italy, Morocco, USA

Hosts: *Chrysomphalus dictyospermi*, *Lepidosaphes beckii*, *L. gloveri*, *Parlatoria blanchardi*, *P. zizyphi* (Coccoidea: Diaspididae)

Genus ***Huronopus*** OConnor et Houck

Huronopus OConnor & Houck, 1989b: 6

Type species: *Huronopus michiganensis* OConnor et Houck, 1989

Huronopus michiganensis OConnor et Houck*Huronopus michiganensis* OConnor & Houck, 1989b: 6

Type locality: Michigan

Distribution: USA

Genus ***Linobia*** Berlese*Linobia* Berlese, 1884: 29Type species: *Acarus coccinellae* Scopoli, 1763***Linobia coccinellae*** (Scopoli)*Acarus coccinellae* Scopoli, 1763: 389

Berlese, 1884: 29; Théodoridès, 1955: 71; Haitlinger, 1999: 181; Bernini et al., 1995; Tarasi, Saboori & Sadeghi, 2001; Trach, 2016; Pohlík, Georgi & Müller, 2020: 723

Type locality: Europe

Distribution: Czech Rep., France, Germany, Great Britain, Iran, Italy, Poland, Ukraine

Hosts: *Chrysomela populi*, *C. saliceti*, *Leptinotarsa decemlineata* (Coleoptera: Chrysomelidae)***Linobia eichhornia*** Soliman, Hussein et Ramadan*Linobia eichhornia* Soliman, Hussein & Ramadan, 1991: 22

Type locality: Egypt

Distribution: Egypt

Host: *Eichhornia crassipes* (plant)***Linobia nilotica*** Soliman, Hussein et Ramadan*Linobia nilotica* Soliman, Hussein & Ramadan, 1991: 17

Type locality: Egypt

Distribution: Egypt

Host: *Eichhornia crassipes* (plant)***Linobia replacementica*** Soliman, Hussein et Ramadan*Linobia replacementica* Soliman, Hussein & Ramadan, 1991: 19

Type locality: Egypt

Distribution: Egypt

Host: *Eichhornia crassipes* (plant)Genus ***Nanacar*** Oudemans*Nanacar* Oudemans, 1902: 7, 45 [Diagnostic, Fain 1988: 127; Redescription, Fain, 1985: 280]*Froweinia* Oudemans, 1923: 183*Congovidiella* Fain, 1971: 282 [type is *hieroglyphia*; syn. Fain 1988: 126]*Nanacaroides* Volgin & Mironov, 1979: 93 [type is *elongatus*; syn. Purvis & Evans 1982: 820]

Type species: *Hypopus minutus* Oudemans, 1901

Nanacarus collembolicola (Fain et Johnston)

Congovidiella collembolicola Fain & Johnston, 1974: 418

Nanacarus collembolicola (Fain et Johnston)

Type locality: England, Domleo, Spinney, Sutton Bonington

Distribution: Great Britain

Host: *Sminthurus fuscus* (Collembola, Symphypleona: Sminthuridae)

Nanacarus elongatus (Volgin et Mironov)

Nanacaroides elongatus Volgin & Mironov, 1979: 93

Nanacarus elongatus (Volgin et Mironov): Purvis & Evans, 1982: 820

Type locality: Habarovskiy Kray, Bolshe-Hehcirskiy Zapovednik (the Far East of Russia)

Distribution: Russia

Nanacarus hieroglypha (Fain et Elsen)

Congovidiella hieroglypha Fain et Elsen, in Fain, 1971: 282

Nanacarus hieroglypha (Fain et Elsen):

Type locality: Haut Lopori

Distribution: D.R. Congo

Host: *Glossina fuscipes fuscipes* (Diptera: Glossinidae)

Nanacarus hungaricus Halmai et Mahunka

Nanacarus hungaricus Halmai & Mahunka, 1980: 266 [mammalian host]

Type locality: Hungary

Distribution: Hungary

Nanacarus longisetosus Volgin et Mironov

Nanacarus longisetosus Volgin & Mironov, 1979: 91

Type locality: Buryatian ASSR, Gremyachenskiy Rayon, Istok

Distribution: Russia

Nanacarus manus Purvis et Evans

Nanacarus manus Purvis & Evans, 1982: 815

Type locality: S.E. Ireland

Distribution: Ireland

Nanacarus minutus (Oudemans)

Hypopus minutus Oudemans, 1901: 85

Nanacarus minutus (Oudemans): Krivoluckiy, 1975: 474; Fain 1985: 280; Fain et al., 1997: 94; Li et al., 1992: 23

Type locality: Indonesia (Java)

Distribution: China, Germany, Indonesia (Java, Buru), Poland, Russia

Hosts: *Adalia* sp., *Calvia duodecimguttata*, *Exochomus quadripustulus* (Coleoptera: Coccinellidae); *Xylocopa* (*Koptorthosoma*) *tenuiscapa* (Hymenoptera: Apidae, Xylocopinae), *Eptesicus serotinus*, *Pipistrellus pipistrellus*, *Sorex araneus* (Mammalia), *Megapodius reinwardt buruensis* (Aves: Megapodiidae)

Nanacarus nominis Woodring

Nanacarus nominis Woodring, 1966: 82

Type locality: Holden, Utah

Distribution: USA

Host: «from the cells of the alkali bee *Nominia melanderi*» (Hymenoptera: Halictidae, Nomininae)

Nanacarus pragensis (Samšínák et Vobrazkova)

Congovidiella pragensis Samšínák & Vobrazkova, 1983: 119

Nanacarus pragensis (Samšínák & Vobrazkova): Khaustov et al., 2018: 48

Type locality: Prague

Distribution: Czech Rep.

Genus ***Pasohopus*** OConnor et Houck

Pasohopus OConnor & Houck, 1989a: 17

Type species: *Pasohopus labrynthus* OConnor et Houck, 1989

Pasohopus labrynthus OConnor et Houck

Pasohopus labrynthus OConnor & Houck, 1989a: 17

Type locality: Pasoh Forest Reserve

Distribution: Malaysia

Genus ***Superioropus*** OConnor et Houck

Superioropus OConnor & Houck, 1989b: 2

Type species: *Superioropus huronmontanus* OConnor & Houck, 1989

Superioropus huronmontanus OConnor et Houck

Superioropus huronmontanus OConnor & Houck, 1989b: 2; OConnor, 1991; Khaustov et al., 2018: 49

Type locality: the Huron Mountains of northern Michigan

Distribution: Russia, USA

Hosts: *Exeristes comstockii* (Hymenoptera: Ichneumonidae), galleries of *Ips typographus* (Coleoptera: Curculionidae, Scolytinae)

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EUROPE

- Belgium** (Fain, Hurst et al. 1997) – *Nanacarus minutus*
Czech Rep. (Samšinak & Vobrazkova, 1983) – *Nanacarus pragensis*
France (contin.) (Théodoridès, 1955) – *Linobia coccinellae*
Georgia (Dzhibladze, 1969) – *Hemisarcoptes dzhashii*
Germany (Pohlink, Georgi & Müller, 2020) – *Linobia coccinellae*, *Nanacarus minutus*

Great Britain (Türk & Türk, 1952; Fain & Johnston, 1974; Fain, Hurst, Tweddle et al., 1995; Fain, Hurst, Fassotte et al. 1997) – *Congovidia coccinellidarum*, *Linobia coccinellae*, *Nanacarus* (= *Congovidiella*) *collembolicola*

Hungary (Halmai & Mahunka, 1980; Fain & Ripka, 1998) – *Hemisarcoptes budensis*, *Nanacarus hungaricus*

Ireland (Purvis & Evans, 1982) – *Nanacarus manus*

Italy (contin.) (Bernini et al., 1995) – *Hemisarcoptes malus*, *Linobia coccinellae*

Sicily (Bernini et al., 1995) – *Hemisarcoptes malus*

Poland (Fain et al., 1997) – *Divilia exigua*, *Nanacarus minutus*

Russia (all, continent.) (Sevastjanov, 1969; Krivoluckiy, 1975: 474; Volgin & Mironov, 1979) – *Divilia oculata*, *Divilia aff. occidentalis*, *Hemisarcoptes sp.*, *Nanacarus longisetosus*, *N. elongatus*, *N. minutus*, *Superioropus huronmontanus*

Ukraine (Sevastjanov, 1969; Trach, 2007) – *Divilia oculata*, *Linobia coccinellae*

AFRICA

Congo DR (Fain, 1971) – *Nanacarus hieroglypha*

Egypt (Soliman, Hussein & Ramadan, 1991; Abdelgayed et al., 2019) – *Hemisarcoptes malus*, *Linobia eichhornia*, *L. nilotica*, *L. replacementica* **Morocco** (Cooreman, 1951) – *Hemisarcoptes malus*

South Africa (Meyer, 1962) – *Hemisarcoptes coccophagus*

ASIA

China (Fan, Chen & Wang, 2010; Ji, L.-Z., Gerson & Izraylevich, 1994; Li, L.-S., Xuan, J.-Y. & Fan, Q.-H., 1992) – *Hemisarcoptes sp.*, *Nanacarus minutus*

Indonesia (Oudemans, 1901, 1928) – *Nanacarus minutus*

Iran (Tarasi, Saboori & Sadeghi, 2001) – *Linobia coccinellae*

Israel and Palestina (Gerson, 1964, 1967; Gerson & Schneider, 1981, 1982; Izraylevich & Gerson, 1993) – *Hemisarcoptes coccophagus*

Malaysia (OConnor & Houck, 1989a) – *Pasohopus labrynthus*

NORTH AMERICA

Canada (Mullen et al., 1989; Tothill, 1918; Baulieu et al., 2019) – *Hemisarcoptes malus* and two other sp., *Divilia sp.*

USA (Shimer, 1868; Woodring, 1966; OConnor, 1991, OConnor & Houck, 1989b; Luck, Jiang & Houck, 1999) – *Huronopus michiganensis*, *Nanacarus nominis*, *Superioropus huronmontanus*

SOUTH and CENTRAL AMERICA

Colombia (Fain, 1987) – *Espeletiacarus andinus*

OCEANIA

Australia (continent) (Gerson, 1994) – *Hemisarcoptes* 2 spp.

New Zealand (Charles, Hill & Allan, 1995a, 1995b; Hill et al., 1993) – *Hemisarcoptes coccophagus*

Hosts of Hemisarcoptidae

Insecta s.l.**Collembola****Fam. Sminthuridae**

Sminthurus fuscus – *Nanacarus collembolicola*

Coleoptera**Fam. Chrysomelidae**

Chrysomela populi – *Linobia coccinellae*

C. saliceti - *Linobia coccinellae*

Fam. Coccinellidae

Adalia sp. - *Nanacarus minutus*

Chilocorus cacti – *Hemisarcoptes cooremani*

Ch. renipustulatus - *Hemisarcoptes budensis*

Exochomus quadripustulus - *Nanacarus minutus*

Vibidia duodecimguttata - *Nanacarus minutus*

Homoptera**Coccodea****Fam. Diaspididae**

Chrysomphalus dictyospermi – *Hemisarcoptes malus*

Hemiberlesia lataniae – *Hemisarcoptes coccophagus*

Lepidosaphes beckii – *Hemisarcoptes malus*

L. gloveri - *Hemisarcoptes malus*

Parlatoria blanchardi – *Hemisarcoptes malus*

P. zizyphi - *Hemisarcoptes malus*

Hymenoptera**Fam. Apidae**

Xylocopa (*Koptorthosoma*) *tenuiscapa* – *Nanacarus minutus*

Fam. Halictidae

Nominia melanderi – *Nanacarus nominis*

Fam. Formicidae

Lasius fuliginorus – *Divilia oculata*

Formica polyctena - *Divilia oculata*

F. rufa - *Divilia oculata*

Fam. Ichneumonidae

Exeristes comstockii - *Superioropus huronmontanus*

Diptera**Fam. Glossinidae***Glossina fuscipes fuscipes* – *Nanacarus hieroglypha***Aves****Fam. Megapodiidae***Megapodius reinwardt buruensis* – *Nanacarus minutus***Mammalia****Soricomorpha****Fam. Soricidae***Sorex araneus* – *Nanacarus minutus***Chiroptera****Fam. Vespertilionidae***Eptesicus serotinus* – *Nanacarus minutus**Pipistrellus pipistrellus* – *Nanacarus minutus***Bibliography of Hemisarcoptidae**

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The Mite Family Carpoglyphidae

Carpoglyphidae Oudemans, 1923: 206

The best known representative of the Carpoglyphidae is the dried fruit mite, *Carpoglyphus lactis* (L.). This species is a cosmopolitan pest of stored materials with a high sugar content, such as dried fruit, powdered milk, and honey, as well as of other stored food substrates (Chmielewski 1971; Hughes 1976). Deutonymphs have been collected from Lepidoptera and Coleoptera (Türk & Türk, 1957).

Composition of Carpoglyphidae

Fam. Carpoglyphidae Oudemans, 1923–4 gen., 12 sp.

Carpoglyphus Robin, 1869–9 sp.

Coproglyphus Türk et Türk, 1957–1 sp.

Dichotomiopus Fain et Camerik, 1978–1 sp.

Pullea Canestrini, 1884–1 sp.

Catalogue of Carpoglyphidae

Family **Carpoglyphidae** Oudemans

Carpoglyphidae Oudemans, 1923: 206

Type genus: *Carpoglyphus* Robin, 1869

Genus **Carpoglyphus** Robin

Carpoglyphus Robin, 1869: 197

Type species: *Acarus lactis* Linnaeus, 1758

Carpoglyphus afzali Khan

Carpoglyphus afzali Khan, 1967: 398

Type locality: Pakistan

Distribution: Pakistan

Carpoglyphus alienus Banks

Carpoglyphus alienus Banks, 1905: 42

Type locality: “Batavia” (Java)

Distribution: Indonesia (Java)

Carpoglyphus ganzhouensis Jiang

Carpoglyphus ganzhouensis Jiang, 1991: 82

Type locality: Jiangxi

Distribution: China

Carpoglyphus lactis (Linnaeus, 1758) [1767?]

Acarus lactis Linnaeus, 1767: 1024

Carpoglyphus lactis (Linnaeus): Jeleva & Angelkova, 1964:

Carpoglyphus passularum Robin, 1869

Glycyphagus anonymus Haller, 1882

Type locality: Europe

Distribution: Argentina, Australia, Bulgaria, China, England, Germany, Italy

Carpoglyphus munroi Hughes

Carpoglyphus munroi Hughes, 1962: 168

Type locality: Imperial College, Field Station, Silwood Park, Ascot, Surrey

Distribution: England

Carpoglyphus nidicolous Hubard et Fashing

Carpoglyphus nidicolous Hubard & Fashing, 1996: 215

Type locality: Oregon

Distribution: USA

Host: *Petrochelidon pyrrhonota* (Aves) nests

Carpoglyphus sturmi Fain et Rack

Carpoglyphus sturmi Fain & Rack, 1987: 12

Type locality: Páramo de Montserrate, 3250 m

Distribution: Colombia

Host: *Espeletiopsis corymbosa* (plant)

Carpoglyphus vagabundus Berlese

Carpoglyphus vagabundus Berlese, 1910: 267

Type locality: Rosignano (Pisa)

Distribution: Italy

Host: nest of *Polystes gallicus* (Hymenoptera: Vespidae)

Carpoglyphus wardleorum Clark

Carpoglyphus wardleorum Clark, 2010: 454

Type locality: Ashley Gorge, Canterbury

Distribution: New Zealand

Host: from sooty mould fungi on the bark of black beech, *Nothofagus solandri*.

Genus ***Coproglyphus*** Türk et Türk

Coproglyphus Türk & Türk, 1957: 181

Type species: *Coproglyphus stammeri* Türk et Türk, 1957

Coproglyphus stammeri Türk et Türk

Coproglyphus stammeri Türk & Türk, 1957: 181; Li, 1999: 72

Type locality: Erlangen (Germany)

Distribution: China, Germany

Genus ***Dichotomiopus*** Fain et Camerik

Dichotomiopus Fain & Camerik, 1978: 172

Type species: *Dichotomiopus biaggioi* Fain et Camerik, 1978

Dichotomiopus biaggioi Fain et Camerik

Dichotomiopus biaggioi Fain & Camerik, 1978: 173

Type locality: Cotia, Sao Paulo

Distribution: Brazil

Host: *Dichotomius anaglypticus* (Coleoptera: Scarabaeidae)

Genus ***Pullea*** Canestrini

Pullea Canestrini, 1884: 720

Type species: *Pullea discoidalis* Canestrini, 1884

Pullea discoidalis Canestrini

Pullea discoidalis Canestrini, 1884: 720

Type locality: Australia

Distribution: Australia

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(Names in **bold** are accepted as valid)

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Distribution of Carpoglyphidae

EUROPE

Bulgaria (Jeleva & Angelkova, 1964) – *Carpoglyphus lactis*

Germany (Türk & Türk, 1957) – *Carpoglyphus lactis*, *Coproglyphus stammeri*

Great Britain (Hughes, 1962) – *Carpoglyphus lactis*, *C. munroi*

Holland (Siepel, Cremers & Vierbergen, 2016) – *Carpoglyphus lactis*

Italy (contin.) (Berlese, 1910) – *Carpoglyphus lactis*, *C. vagabundus*

Turkey (Turgu & Kumral, 2019) – *Carpoglyphus lactis*

ASIA

China (Jiang, 1991; Li, 1999; Fan, Chen & Wang, 2010) – *Carpoglyphus ganzhouensis*, *C. lactis*, *Coproglyphus stammeri*

Indonesia (Banks, 1905) – *Carpoglyphus alienus*

Pakistan (Khan, 1967) – *Carpoglyphus afzali*

NORTH AMERICA

USA (Hubard & Fashing, 1996) – *Carpoglyphus nidicolous*

SOUTH and CENTRAL AMERICA

Argentina (Hughes, 1978) – *Carpoglyphus lactis*

Brazil (Fain & Camerik, 1978) – *Dichotomiopus biaggioi*

Colombia (Fain & Rack, 1987) – *Carpoglyphus sturmi*

OCEANIA

Australia (continent) (Womersley, 1941) – *Carpoglyphus lactis*, *Pullea discoidalis*

New Zealand (Clark, 2010) – *Carpoglyphus wardleorum*

Hosts of Carpglyphidae**Hymenoptera****Fam. Vespidae**

Polistes gallicus - *Carpoglyphus vagabundus*

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The Mite Family Winterschmidtidae (Saproglyphidae)

Winterschmidtidae Oudemans, 1923
Saproglyphinae Oudemans, 1924

Winterschmidtidae (= Saproglyphidae) is the largest family in the Hemisarcoptoidea, with 28 genera and 139 known species with a wide range of ecological associations.

Species of *Saproglyphus* are fungivores in decaying materials, bark crevices, and woody fungi, and deutonymphs are dispersed by a wide variety of insect hosts. Other species are common fungivores on leaf surfaces. In temperate regions, the tritonymph is a resistant overwintering stage. Species of *Winterschmidtia* are also predators of the eggs of bark beetles (Scolytinae). Some taxa are known from deutonymphs associated with various families of subcortical Coleoptera. Other winterschmidtiiid genera are found in various types of decaying material such as dung, carrion and in vertebrate nests. *Procalvolia zacheri* (Oudemans) and *Acalvolia squamata* (Oudemans) occasionally infest stored food products, *P. zacheri* was associated with severe dermatitis in a horse. The subfamily Ensliniellinae includes obligate associates of Hymenoptera. Some taxa are associated with sphecids wasps (*Crabrovidia* and others), most species are associates of Vespidae. Other genera are associated with solitary wasps of the subfamilies Masarinae (pollen wasps) and Eumeninae. A partial list of associations and a phylogeny for the subfamily was provided by OConnor and Klompen (1999). Some species such as *Monobiacarus quadridens* Baker and *Kurosaia jiju* OConnor et Okabe feed on hemolymph of paralyzed arthropod prey provisioned by the female wasp. Other species, in the genera *Ensliniella*, *Kennethiella*, and *Vespacarus* feed directly on hemolymph of the wasp host larva or pupa. Many female (or rarely male) wasp hosts have more or less elaborated acarinarium in different locations on the body that harbor dispersing deutonymphs. Based on their phylogeny, OConnor and Klompen (1999) concluded that acarinarium have evolved independently in many host groups.

For many years was used the family name Saproglyphidae Oudemans, 1924, but OConnor (1984) insisted to use the antedating name Winterschmidtidae Oudemans, 1923 and was followed by other researchers. Now both names are used on subfamily level.

Composition of Winterschmidtidae

Fam. **Winterschmidtidae** (Saproglyphidae) - 28 gen., 139 sp.

Subfam. **Ensliniellinae** Vitzthum, 1924–71 sp.

Crabrovidia Zakhvatkin, 1941–20 sp.

Ensliniella Vitzthum, 1925–7 sp.

Kennethiella Cooreman, 1954–1 sp.

Kurosaia Okabe et OConnor, 2002–1 sp.

Macroharpa Mostafa, 1970–4 sp.

Monobiacarus Baker et Cunliffe, 1960–3 sp.

Sphexicozela Mahunka, 1970–1 sp.

Vespacarus Baker, 1960–10 sp.

Vidia Oudemans, 1905–2 sp.

Zethacarus Mostafa, 1971–6 sp.

Zethovidia Mostafa, 1970–16 sp.

Subfam. **Saproglyphinae** Oudemans, 1924–18 sp.

Acalvolia Fain, 1971–2 sp.

- Congovidia* Fain et Elsen, in Fain, 1971–6 sp.
Gambacarus Mahunka, 1975–1 sp.
Neocalvolia Hughes, 1970–3 sp.
Neosuidasia Ranganath et Channabasa, 1983–1 sp.
Neottiglyphus Volgin, 1974–1 sp.
Saproglyphus Berlese, 1890–4 sp.
 Subfam. **Oulenziinae** Oudemans, 1928– 7 sp.
Oulenzia Radford, 1950–1 sp.
Oulenziella Fan et al., 2015–2 sp.
Procalvolia Fain, 1971–3 sp.
Trypetacarus Fain, 1971–1 sp.
 Subfam. **Winterschmidtinae** Oudemans, 1923–50 sp.
Allocalvolia Fain et Rack, 1987–2 sp.
Calvolia Oudemans, 1911–34 sp.
Czenspinskiia Oudemans, 1927–2 sp.
Parawinterschmidtia Khaustov, 2000–1 sp.
Riemia Oudemans, 1925–1 sp.
Winterschmidtia Oudemans, 1923 (= *Afrocalvolia* Fain et Elsen, 1971) – 10 sp.

Catalogue of Winterschmidtidae

Fam. **Winterschmidtidae** Oudemans

Winterschmidtidae Oudemans, 1923: 206

Saproglyphidae Oudemans, 1924

Czenspinskiidae Oudemans, 1927

Oulenziidae Oudemans, 1928

Calvoliinae Turk & Turk, 1957: 155

Type genus: *Winterschmidtia* Oudemans, 1923

Subfam. **Ensliniellinae** Vitzthum

Genus ***Crabrovidia*** Zakhvatkin

Vidia (*Crabrovidia*) Zakhvatkin, 1941: 371

Crabrovidia Zachvatkin: Fain, 1971: 284

Euvidia Delfinado & Baker, 1976: 81] [Type is *utahensis*; syn. OConnor & Eickwort 1988: 172]

Type species: *Vidia* (*Crabrovidia*) *gussakovskii* Zachvatkin, 1941

Crabrovidia africana Fain

Crabrovidia africana Fain, 1973: 183

Type locality: Kibombo
Distribution: DR Congo
Host: *Sphex hemorrhoidalis* (Hymenoptera: Sphecidae)

***Crabrovidia brasiliensis* Fain**

Crabrovidia brasiliensis Fain, 1973: 169
Type locality: Merretes, Alto de Sierra, Sta Catarina, Nova Teutonia
Distribution: Brazil
Host: *Ectemnius cubiceps* (Hymenoptera: Crabronidae)

***Crabrovidia concellaria* (Cooreman)**

Vidia concellaria Cooreman, 1948a: 1
Crabrovidia concellaria Fain, 1973: 179
Type locality: Uccle (Bruxelles)
Distribution: Belgium, France
Host: *Cerceris arenaria* (Hymenoptera: Crabronidae); ? accidental host: *Hedichrum nobile* (Chrysididae)

***Crabrovidia corsicana* Fain**

Crabrovidia corsicana Fain, 1973: 183
Type locality: Bonifacio
Distribution: Corsica
Host: *Crossocercus elongatus* (Hymenoptera: Crabronidae)

***Crabrovidia crossocerus* Fain**

Crabrovidia crossocerus Fain, 1973: 167
Type locality: Sta Catarina, Nova Teutonia
Distribution: Brazil
Host: *Crossocerus porexus* (Hymenoptera: Crabronidae)

***Crabrovidia cubensis* Fain**

Crabrovidia cubensis Fain, 1973: 170
Type locality: Guantanamo
Distribution: Cuba
Host: *Lestica cubensis* (Hymenoptera: Crabronidae)

***Crabrovidia dasyproctus* Fain**

Crabrovidia dasyproctus Fain, 1973: 177
Type locality: Taiherin (Taiwan)
Distribution: India, Philippines, South Africa (Natal), Taiwan

Hosts: *Dasyproctus agilis orientalis*, *D. bipunctatus lugubris*, *D. buddha*, *D. cevirus*, *D. westermanni* (Hymenoptera: Crabronidae)

***Crabrovidia ectemnii* Fain**

Vidia gussakovskii: Cooreman, 1948: 8 (nec Zachvatkin, 1941)

Crabrovidia ectemnii Fain, 1973: 163

Type locality: La Panne (Belgium)

Distribution: Argentina, Austria, Belgium, Bolivia, Brazil, Colombia, Costa Rica, Croatia, Cyprus, France, Greece (Crete), Guiana, Honduras, Jamaica, Japan [Okinawa], Mexico, Morocco, Puerto Rico, Spain, Switzerland

Hosts: *Ectemnius carinatus*, *E. cavifrons*, *E. centralis*, *E. continuus*, *E. craesus*, *E. guttatus*, *E. hypsae*, *E. impressus*, *E. laevigatus*, *E. lapidaries*, *E. schettereri*, *E. semipunctatus*, *E. singularis*, *E. sonorensis*, *E. sexcinctus* (Hymenoptera: Crabronidae)

***Crabrovidia gussakovskii* (Zachvatkin)**

Vidia (Crabrovidia) gussakovskii Zachvatkin, 1941: 270

Crabrovidia gussakovskii (Zachvatkin): Fain, 1973: 160; Klimov, 1998: 25

Type locality: Crimea (Karadag)

Distribution: Russia, Crimea, Kuril Isl. (Iturup)

Hosts: *Crabro solenius*, *Ectemnius (Metacrabro) fossorius*, *E. (Hypocrabro) impressus*, *E. (Hypocrabro) continuus* (= *vagus* auct.)(Hymenoptera: Crabronidae)

***Crabrovidia hirsuta* (OConnor et Eickwort)**

Vidia hirsuta OConnor & Eickwort, 1988: 161

Crabrovidia hirsuta (OConnor et Eickwort):

Type locality: New Mexico, Sandoval Co., Jemez Springs

Distribution: USA

Host: *Megachile (Sayapis) fidelis* (Hymenoptera: Megachilidae)

***Crabrovidia julianii* (Sevastianov)**

Vidia julianii Sevastianov, in Kadzhaya & Sevastianov, 1967: 199

Crabrovidia julianii (Sevastianov): OConnor & Eickwort, 1988: 172

Type locality: Odessa

Distribution: Ukraine

***Crabrovidia latimanus* (OConnor et Eickwort)**

Vidia latimanus OConnor & Eickwort, 1988: 160

Crabrovidia latimanus (OConnor et Eickwort):

Type locality: Nova Scotia, Cape Breton Highlands National Park, Ingonish Beach

Distribution: Canada

Host: *Megachile (Xanthosaurus) latimanus* (Hymenoptera: Megachilidae)

***Crabrovidia leclercqi* Fain**

Crabrovidia leclercqi Fain, 1973: 179

Type locality: Yermasoyia

Distribution: Cyprus

Host: *Cerceris rubida* (Hymenoptera: Crabronidae)

***Crabrovidia ninae* (Sevastianov)**

Vidia ninae Sevastianov, in Kadzhaya & Sevastianov 1967: 198

Crabrovidia ninae (Sevastianov): OConnor & Eickwort 1988: 172

Type locality: Kherson Prov.

Distribution: Ukraine

Host: *Pseudovespa* sp. (Hymenoptera: Vespidae)

***Crabrovidia oudemansi* Fain**

Crabrovidia oudemansi Fain, 1971: 284; 1972: 244; 1973: 175; Nazan et al., 2019

Type locality: Corfu (Greece)

Distribution: Greece (Corfu), Iran

Host: *Cerceris* sp. (Hymenoptera: Crabronidae)

***Crabrovidia popovi* (Zachvatkin)**

Vidia (Crabrovidia) popovi Zachvatkin, 1941: 375

Crabrovidia popovi (Zachvatkin): Fain, 1973: 161

Type locality: Krasnograd (Ukraine)

Distribution: Abhasia, Croatia, Italy, Spain, Turkey, Ukraine, Uzbekistan

Hosts: *Lestica (Clypeocrabro) clypeata*, *L. (Ceratocolus) alata*, *L. (Clypeocrabro) wollmanni*,
Ectemnius impressus (Hymenoptera: Crabronidae)

***Crabrovidia rubi* (OConnor et Eickwort)**

Vidia rubi OConnor & Eickwort, 1988: 148

Crabrovidia rubi (OConnor et Eickwort): Fain, 1971: 284

Type locality: Georgia, Liberty Co., St. Catherine's Island

Distribution: USA (Georgia)

Host: *Megachile (Xeromegachile) rubi* (Hymenoptera: Megachilidae)

***Crabrovidia texana* (OConnor et Eickwort)**

Vidia texana OConnor & Eickwort, 1988: 162

Crabrovidia texana (OConnor et Eickwort):

Type locality: New York, Albany Co., Rensselaerville, Edmund Niles Huyck Preserve

Distribution: USA

Host: *Megachile (Litomegachile) texana* (Hymenoptera: Megachilidae)

Crabrovidia thomasi (Delfinado et Baker)

Vidia thomasi Delfinado & Baker, 1976: 81 (nom. nom. for *V. cooremani* Baker)

Crabrovidia thomasi (Delfinado et Baker): OConnor & Eickwort 1988: 172 (nom. nov.
for *Vidia cooremani* Baker, 1964 nec *V. cooremani* Thomas, 1961)

Type locality: Plummerville Island, Maryland

Distribution: USA (Maryland)

Crabrovidia utahensis (Delfinado et Baker)

Vidia (Euvidia) utahensis Delfinado & Baker, 1976: 81

Crabrovidia utahensis (Delfinado et Baker): OConnor & Eickwort 1988: 172

Type locality: Beaver, Utah

Distribution: USA

Host: Hymenoptera (Sphecidae)

Genus ***Ensliniella*** Vitzthum

Ensliniella Vitzthum, 1925 [1924?]: 289

Type species: *Ensliniella aegyptiana* Baker et Cunliffe, 1960

Ensliniella aegyptiana Baker et Cunliffe

Ensliniella aegyptiana Baker & Cunliffe, 1960: 214; Klompen & OConnor 1995: 126

Type locality: Abu Suttan

Distribution: Egypt

Hosts: *Allodynerus koenigi*, *A. vinciguerrae* (Hymenoptera: Vespidae, Eumeninae)

Ensliniella asiatica Abe et Okabe

Ensliniella asiatica Abe & Okabe, 2006: 929

Type locality: Sakurazawa, Yorii town, Osato District, Saitama Prefecture, central Honshu,
36°07'49"N, 139°12'28"E; 102 m

Distribution: Japan

Host: *Allodynerus mandshuricus* (Hymenoptera: Vespidae, Eumeninae)

Ensliniella dignotus Klompen et OConnor

Ensliniella dignotus Klompen & OConnor, 1995: 126

Type locality: Turkey

Distribution: Turkey

Host: *Allodynerus dignotus* (Hymenoptera: Vespidae, Eumeninae)

Ensliniella floricola Klompen et OConnor

Ensliniella floricola Klompen & OConnor, 1995: 127

Type locality: Pula (Croatia)

Distribution: Croatia, Austria, Bulgaria, France, Greece, Holland, Turkey

Hosts: *Allodynerus floricola*, *A. rossii* (Hymenoptera: Vespidae, Eumeninae)

***Ensliniella koenigi* Baker et Cunliffe**

Ensliniella koenigi Baker & Cunliffe, 1960: 216; Klompen & OConnor 1995: 127

Type locality: Ijonkak

Distribution: Morocco

Host: *Allodynerus koenigi* (Hymenoptera: Vespidae, Eumeninae)

***Ensliniella kostylevi* Zakhvatkin**

Ensliniella kostylevi Zakhvatkin, 1941: 267; Klompen & OConnor, 1995

Type locality: Byalovezh (Belarus)

Distribution: Belarus, Crimea, Holland, Algeria, Austria, Belgium, Bulgaria, France, Greece, Turkey

Host: *Allodynerus rossii* (Hymenoptera: Vespidae, Eumeninae)

***Ensliniella parasitica* Vitzthum**

Ensliniella parasitica Vitzthum, 1925: 289; Cooreman, 1942; Baker & Cunliffe, 1960: 214; Krivoluckiy, 1975: 476; Klompen & OConnor 1995: 128

Type locality: Germany (Bayern, Nürnberg)

Distribution: Armenia, Italy, Germany, Holland, Slovakia, Uzbekistan, Belgium, Czech Rep., Spain, Gibraltar, Tadjikistan, Kyrgyzstan, Kazakhstan

Hosts: *Allodynerus delphinalis*, *A. floricola* (Hymenoptera: Vespidae, Eumeninae; *Melittobia acasta* (Eulophidae)

Genus *Kennethiella* Cooreman

Kennethiella Cooreman, 1954: 2

Type species: *Ensliniella trisetosa* Cooreman, 1942

***Kennethiella trisetosa* (Cooreman)**

Ensliniella trisetosa Cooreman, 1942: 1; Cooper, 1955

Kennethiella trisetosa (Cooreman): Cooreman, 1954; Baker & Cunliffe, 1960: 218

Type locality: USA

Distribution: Finland, USA

Host: *Ancistrocerus antilope* (Hymenoptera: Vespidae, Eumeninae)

Genus *Kurosaia* Okabe et OConnor

Kurosaia Okabe & OConnor, 2002: 69

Type species: *Kurosaia jiju* Okabe et OConnor, 2002

***Kurosaia jiju* Okabe et OConnor**

Kurosaia jiju Okabe & OConnor, 2002: 69

Distribution: Japan

Host: *Anterhynchium flavomarginatum* (Hymenoptera, Vespidae)

Genus ***Macroharpa*** Mostafa

Macroharpa Mostafa, 1970b: 395

Type species: *Macroharpa amazonica* Mostafa, 1970

Macroharpa amazonica Mostafa

Macroharpa amazonica Mostafa, 1970b: 397

Type locality: Faro, Estado de Para

Distribution: Brazil

Host: *Zethus biglumis ferrugineus* (Hymenoptera: Vespidae, Zethinae)

Macroharpa arota Mostafa

Macroharpa arota Mostafa, 1970b: 399

Type locality: Amazonas, Manaus

Distribution: Brazil

Host: *Zethus arotus* (Hymenoptera: Vespidae, Zethinae)

Macroharpa pachymapoda Mostafa

Macroharpa pachymapoda Mostafa, 1970b: 398

Type locality: Obidos, Estado de Para

Distribution: Brazil

Host: *Zethus lobulatus* (Hymenoptera: Vespidae, Zethinae)

Macroharpa palpognatha Mostafa

Macroharpa palpognatha Mostafa, 1970b: 400

Type locality: Tefe

Distribution: Brazil

Host: *Zethus roridus* (Hymenoptera: Vespidae, Zethinae)

Genus ***Monobiacarus*** Baker et Cunliffe

Monobiacarus Baker & Cunliffe, 1960: 210

Type species: *Monobiacarus quadridens* Baker et Cunliffe, 1960

Monobiacarus funebris Baker et Cunliffe

Monobiacarus funebris Baker & Cunliffe, 1960: 211

Type locality: Santa Rosa, Veracruz

Distribution: Mexico

Host: *Monobia apicalipennis* (Hymenoptera: Vespidae)

Monobiacarus insularis Baker et Cunliffe

Monobiacarus insularis Baker & Cunliffe, 1960: 212

Type locality: San Rafael, Jicoltepee

Distribution: Mexico

Host: *Monobia angulosa* (Hymenoptera: Vespidae)

Monobiacarus quadridens Baker et Cunliffe

Monobiacarus quadridens Baker & Cunliffe, 1960: 211

Type locality: Kill Devis Hills, North Carolina

Distribution: USA

Host: *Monobia quadridens* (Hymenoptera: Vespidae)

Genus ***Sphexicozela*** Mahunka

Sphexicozela Mahunka, 1970: 77

Type species: *Sphexicozela connivens* Mahunka, 1970

Sphexicozela connivens Mahunka

Sphexicozela connivens Mahunka, 1970: 77; Rusina & Orlova, 2011: 685

Type locality: Budapest

Distribution: Hungary, Ukraine, Crimea

Hosts: *Polistes dominula*, *P. gallica*, *P. nimpha* (Hymenoptera: Vespidae, Polistinae)

Genus ***Vespacarus*** Baker et Cunliffe

Vespacarus Baker & Cunliffe, 1960: 220

Type species: *Vespacarus rufovestis* Baker et Cunliffe, 1960

Vespacarus anacardivorus Baker et Cunliffe

Vespacarus anacardivorus Baker & Cunliffe, 1960: 224

Type locality: Paradise Key, Everglades National Park, Florida

Distribution: USA (Florida)

Host: *Stenodynerus* (*Parancystrocerus*) *perennis anacardovora* (Hymenoptera: Vespidae, Eumeninae)

Vespacarus fulvipes Baker et Cunliffe

Vespacarus fulvipes Baker & Cunliffe, 1960: 222

Type locality: Kill Devil Hills, North Carolina

Distribution: USA

Host: *Stenodynerus* (*Parancystrocerus*) *f. fulvipes* (Hymenoptera: Vespidae, Eumeninae)

Vespacarus histrio Baker et Cunliffe

Vespacarus histrio Baker & Cunliffe, 1960: 222

Type locality: Kill Devil Hills, North Carolina

Distribution: USA

Hosts: *Stenodynerus* (*Parancystrocerus*) *histrio*, *S. (P.) f. fulvipes* (Hymenoptera: Vespidae, Eumeninae)

Vespacarus minimoferus Mostafa*Vespacarus minimoferus* Mostafa, 1967: 618

Type locality: California

Distribution: USA

Host: *Parancystrocercus minimoferus* (Hymenoptera: Eumenidae)***Vespacarus pedestris*** Baker et Cunliffe*Vespacarus pedestris* Baker & Cunliffe, 1960: 226

Type locality: Derby, New York

Distribution: USA

Host: *Stenodynerus* (*Parancystrocercus*) *p. pedestris* (Hymenoptera: Vespidae, Eumeninae)***Vespacarus rufovestis*** Baker et & Cunliffe*Vespacarus rufovestis* Baker & Cunliffe, 1960: 220

Type locality: Lake Placid, Florida

Distribution: USA

Host: *Stenodynerus* (*Parancystrocercus*) *fulvipes rufovestis* (Hymenoptera: Vespidae, Eumeninae)***Vespacarus saecularis*** Baker et Cunliffe*Vespacarus saecularis* Baker & Cunliffe, 1960: 224

Type locality: Lake Placid, Florida

Distribution: USA

Host: *Stenodynerus* (*Parancystrocercus*) *saecularis* (Hymenoptera: Vespidae, Eumeninae)***Vespacarus tigris*** Baker et Cunliffe*Vespacarus tigris* Baker & Cunliffe, 1960: 228

Type locality: Arlington, Virginia

Distribution: USA

Host: *Ancistrocerus t. tigris* (Hymenoptera: Vespidae, Eumeninae)***Vespacarus toltecus*** Baker et Cunliffe*Vespacarus toltecus* Baker & Cunliffe, 1960: 226

Type locality: Chisos Mts., Brewster Co., Texas

Distribution: USA (Texas)

Host: *Stenodynerus* (*Parancystrocercus*) *toltecus* (Hymenoptera: Vespidae, Eumeninae)***Vespacarus vagus*** Baker et Cunliffe*Vespacarus vagus* Baker & Cunliffe, 1960: 228

Type locality: Toronto

Distribution: Canada

Host: *Stenodynerus v. vagus* (Hymenoptera: Vespidae, Eumeninae)

Genus **Vidia** Oudemans*Vidia* Oudemans, 1905: 22 [OConnor & Eickwort 1988]Type species: *Vidia undulata* Oudemans, 1905**Vidia lineata** Oudemans*Vidia lineata* Oudemans, 1917: 391; Zachvatkin, 1941: 373; Buitendijk, 1945: 356; Fain, 1972: 240; Nazan et al., 2019? *Vidia stoeckherti* Türk & Türk, 1957: 152 – Type: Erlangen, Germany.

Type locality: Bozen

Distribution: Belgium, Croatia, Germany, Greece (Corfu), Holland, Iran, Italy, Russia

Host: *Megachile pilicrus* (Hymenoptera: Megachilidae)**Vidia undulata** Oudemans*Vidia undulata* Oudemans, 1905: 22; Zachvatkin, 1941: 374; Fain, 1972: 239

Type locality: Maggianico

Distribution: Italy

Host: *Hylaeus (Prosopis) conformis* (Hymenoptera: Colletidae)Genus **Zethacarus** Mostafa*Zethacarus* Mostafa, 1971: 566Type species: *Zethacarus boharti* Mostafa, 1971**Zethacarus andinus** Mostafa*Zethacarus andinus* Mostafa, 1971: 572

Type locality: R.A. Cordoba, Totoral

Distribution: Argentina

Host: *Zethus andinus* (Hymenoptera: Vespidae, Zethinae)**Zethacarus argentinae** Mostafa*Zethacarus argentinae* Mostafa, 1971: 571

Type locality: Chaco de Santiago del Estro Bords du Rio Salado env. d'Icano

Distribution: Argentina

Host: *Zethus haywardi* (Hymenoptera: Vespidae, Zethinae)**Zethacarus boharti** Mostafa*Zethacarus boharti* Mostafa, 1971: 567

Type locality: Tamaulipas

Distribution: Mexico

Host: *Zethus gurreroi mayorum* (Hymenoptera: Vespidae, Zethinae)**Zethacarus ellipsus** Mostafa*Zethacarus ellipsus* Mostafa, 1971: 575

Type locality: Orizaba, Ver.

Distribution: Mexico

Host: *Zethus orizabae* (Hymenoptera: Vespidae, Zethinae)

Zethacarus miscogaster Mostafa

Zethacarus misco gaster Mostafa, 1971: 569

Type locality: 38 mi. W Jiquilpan Mich.

Distribution: Mexico

Host: *Zethus miscogaster* (Hymenoptera: Vespidae, Zethinae)

Zethacarus paranicus Mostafa

Zethacarus paranicus Mostafa, 1971: 574

Type locality: Parana

Distribution: Brazil

Host: *Zethus smithii* (Hymenoptera: Vespidae, Zethinae)

Genus ***Zethovidia*** Mostafa, 1970

Zethovidia Mostafa, 1970a: 178 (subgenus of *Vidia*)

Zethovidia Mostafa: Fain, 1972: 245 (genus)

Type species: *Vidia (Zethovidia) diminuta* Mostafa, 1970

Zethovidia acaris (Mostafa)

Vidia (Zethovidia) acaris Mostafa, 1970b: 385

Zethovidia acaris (Mostafa)

Type locality: Maroni

Distribution: French Guiana

Host: *Zethus carbonarius* (Hymenoptera: Vespidae, Zethinae)

Zethovidia arizonensis (Mostafa)

Vidia (Zethovidia) arizonensis Mostafa, 1970a: 187

Zethovidia arizonensis (Mostafa)

Type locality: San Simeon, Cochise Co., Arizona

Distribution: USA

Host: *Zethus guerreroi arizonensis* (Hymenoptera: Vespidae, Zethinae)

Zethovidia brasiliensis (Mostafa)

Vidia (Zethovidia) brasiliensis Mostafa, 1970a: 389

Zethovidia brasiliensis (Mostafa)

Type locality: Chapa

Distribution: Brazil

Host: *Zethus coeruleopennis* (Hymenoptera: Vespidae, Zethinae)

Zethovidia brevapodemis (Mostafa)*Vidia* (*Zethovidia*) *brevapodemis* Mostafa, 1970b: 387*Zethovidia brevapodemis* (Mostafa)

Type locality: Suriname

Distribution: Suriname

Host: *Zethus magnus* (Hymenoptera: Vespidae, Zethinae)***Zethovidia compactilis*** (Mostafa)*Vidia* (*Zethovidia*) *compactilis* Mostafa, 1970a: 188*Zethovidia compactilis* (Mostafa)

Type locality: 3 mi. N.W. Petlalcingo, Puebla

Distribution: Mexico

Host: *Zethus guerreroi guerreroi* (Hymenoptera: Vespidae, Zethinae)***Zethovidia diminuta*** (Mostafa)*Vidia* (*Zethovidia*) *diminuta* Mostafa, 1970a: 181*Zethovidia diminuta* (Mostafa)

Type locality: San Bernardino

Distribution: Brazil, Paraguay

Host: *Zethus diminutus diminutus*, *Z. diminutus santaremae* (Hymenoptera: Vespidae, Zethinae)***Zethovidia floridae*** (Mostafa)*Vidia* (*Zethovidia*) *floridae* Mostafa, 1970b: 392*Zethovidia floridae* (Mostafa)

Type locality: Royal Palm Park, Florida

Distribution: USA

Host: *Zethus slossonae* (Hymenoptera: Vespidae, Zethinae)***Zethovidia fusca*** (Mostafa)*Vidia* (*Zethovidia*) *fusca* Mostafa, 1970b: 394*Zethovidia fusca* (Mostafa)

Type locality: Barro Colorado, Canal Zone

Distribution: Panama

Host: *Zethus fuscus* (Hymenoptera: Vespidae, Zethinae)***Zethovidia laevapodemis*** (Mostafa)*Vidia* (*Zethovidia*) *laevapodemis* Mostafa, 1970a: 183*Zethovidia laevapodemis* (Mostafa)

Type locality: 23 mi. S. Matias Romero, Oaxaca

Distribution: Mexico

Host: *Zethus menkei* (Hymenoptera: Vespidae, Zethinae)

Zethovidia mexicana (Mostafa)

Vidia (Zethovidia) mexicana Mostafa, 1970a: 184

Zethovidia mexicana (Mostafa)

Type locality: 30 mi. W. Acayucan, Veracruz

Distribution: Mexico

Host: *Zethus parkeri* (Hymenoptera: Vespidae, Zethinae)

Zethovidia oculabsensa (Mostafa)

Vidia (Zethovidia) oculabsensa Mostafa, 1970a: 191

Zethovidia oculabsensa (Mostafa)

Type locality: Chapada de Aunr Mato Grosso

Distribution: Brazil

Host: *Zethus inconstans* (Hymenoptera: Vespidae, Zethinae)

Zethovidia paraguayensis (Mostafa)

Vidia (Zethovidia) paraguayensis Mostafa, 1970a: 182

Zethovidia paraguayensis (Mostafa)

Type locality: San Bernardino

Distribution: Paraguay

Host: *Zethus diminutus diminutus* (Hymenoptera: Vespidae, Zethinae)

Zethovidia parvula (Mostafa)

Vidia (Zethovidia) parvula Mostafa, 1970b: 392

Zethovidia parvula (Mostafa)

Type locality: Corrientes

Distribution: Argentina

Host: *Zethus parvulus* (Hymenoptera: Vespidae, Zethinae)

Zethovidia promina (Mostafa)

Vidia (Zethovidia) promina Mostafa, 1970a: 388

Zethovidia promina (Mostafa)

Type locality: Chapa

Distribution: Brazil

Host: *Zethus prominens* (Hymenoptera: Vespidae, Zethinae)

Zethovidia reticulata (Mostafa)

Vidia (Zethovidia) reticulata Mostafa, 1970b: 384

Zethovidia reticulata (Mostafa)

Type locality: 42 km SE Maturin Monagas

Distribution: Venezuela

Host: *Zethus romandinus* (Hymenoptera: Vespidae, Zethinae)

Zethovidia rugocoxa (Mostafa)

Vidia (*Zethovidia*) *rugocoxa* Mostafa, 1970a: 189

Zethovidia rugocoxa (Mostafa)

Type locality: 3 mi. N.W. Petlalcingo, Puebla

Distribution: Mexico

Host: *Zethus guerreroi guerreroi* (Hymenoptera: Vespidae, Zethinae)

Zethovidia salvadorensis (Mostafa)

Vidia (*Zethovidia*) *salvadorensis* Mostafa, 1970a: 186

Zethovidia salvadorensis (Mostafa)

Type locality: 4 mi. N. Quezaltepeque

Distribution: El Salvador

Host: *Zethus irwini* (Hymenoptera: Vespidae, Zethinae)

Subfamily **Saproglyphinae** Oudemans

Saproglyphinae Oudemans, 1924

Type genus: *Saproglyphus* Berlese, 1890

Genus *Acalvolia* Fain

Acalvolia Fain, 1971: 283

Type species: *Vidia squamata* Oudemans, 1909

Acalvolia americana Fan Qing-Hai, George & Kumarasinghe

Acalvolia americana Fan Qing-Hai, George & Kumarasinghe, 2010: 42

Type locality: intercepted in New Zealand from oranges from the USA

Distribution: USA

Acalvolia squamata (Oudemans)

Vidia squamata Oudemans, 1909: 317; Zachvatkin, 1941: 371

Acalvolia squamata (Oudemans): Fain, 1971: 283; 1972: 234; Fain & Knülle, 1981: 140; Barbosa & de Moraes, 2021

Type locality: Semarang (Java)

Distribution: Germany, Holland, (?) Indonesia (probably an error), Brazil

Host: *Mus jerdoni* (Rodentia: Muridae); house dust

Genus *Congovidia* Fain et Elsen, in Fain, 1971

Congovidia Fain & Elsen, in Fain 1971: 282; Fain, Hurst, Tweddle, Lachlan, Majerus & Britt 1995: 100; see also Fain & Camerik, 1977 description of adult]

Type species: *Congovidia glossinae* Fain, 1971

Congovidia benelux Fain, Hurst, Fassotte, Webberley, Sloggett et Majerus

Congovidia benelux Fain, Hurst, Fassotte, Webberley, Sloggett & Majerus, 1997: 89

Type locality: Wageningen

Distribution: Holland

Host: *Adalia bipunctata* (Coleoptera: Coccinellidae)

Congovidia brasiliensis Fain et Camerik

Congovidia brasiliensis Fain & Camerik, 1977: 46; Fain, Hurst, Tweddle, Lachlan, Majerus & Britt 1995: 103

Type locality: Itatiaia (State of Rio de Janeiro)

Distribution: Brazil

Host: in the nest of *Trypoxylon (Trypargilum) aestivale* (Hymenoptera: Sphegidae)

Congovidia coccinellidarum Fain, Hurst, Tweddle, Lachlan, Majerus et Britt

Congovidia coccinellidarum Fain, Hurst, Tweddle, Lachlan, Majerus & Britt, 1995: 100

Type locality: England

Distribution: England, Belgium

Host: *Halyzia sedecimguttata* (Coleoptera: Coccinellidae)

Congovidia glossinae Fain

Congovidia glossinae Fain & Elsen, 1971: 282; 1972: 77; Fain, Hurst, Tweddle, Lachlan, Majerus & Britt, 1995: 103

Type locality: Luputa, Mabenga, Benzali

Distribution: DR Congo

Host: *Glossina fuscipes quanzensis* (Diptera: Glossinidae)

Congovidia lomamiensis Fain et Elsen

Congovidia lomamiensis Fain & Elsen, 1972: 81; Fain, Hurst, Tweddle, Lachlan, Majerus & Britt, 1995: 103

Type locality: Luputa

Distribution: DR Congo

Host: *Glossina fuscipes quanzensis* (Diptera: Glossinidae)

Congovidia servalina Fain et Elsen

Congovidia servalina Fain & Elsen, 1972: 83; Fain, Hurst, Tweddle, Lachlan, Majerus & Britt, 1995: 103

Type locality: Lundu, Mayumbe

Distribution: DR Congo

Host: *Glossina palpalis palpalis* (Diptera: Glossinidae)

Congovidia sp.

Hybomitra epistates *H. lasiophthalma*, *H. microcephala*, *H. nuda*, *H. sodalist*, *Tabanus lineata*, *T. reinwardii* (Canada)

Genus **Gambacarus** Mahunka

Gambacarus Mahunka, 1975: 43

Type species: *Gambacarus huettleri* Mahunka, 1975

Gambacarus huettleri Mahunka

Gambacarus huettleri Mahunka, 1975: 43

Type locality: Gambia

Distribution: Gambia

Genus **Neocalvolia** Hughes

Neocalvolia Hughes, 1970: 153

Type species: *Neocalvolia claggi* Hughes, 1970

Neocalvolia claggi Hughes

Neocalvolia claggi Hughes, 1970: 153

Type locality: grass, Bird I., South Georgia

Distribution: South Georgia

Neocalvolia coperminensis Rosas et Casanueva

Neocalvolia coperminensis Rosas & Casanueva, 1993: 66

Type locality: South Shetlands

Distribution: South Shetlands

Neocalvolia inermis Fain et Schuster

Neocalvolia inermis Fain & Schuster, 1983: 421

Type locality: Harrington Sound, Main Island

Distribution: Bermudas

Genus **Neosuidasia** Ranganath et Channabasa, in Ranganath, Channabasavanna & Krishna-Rao

Neosuidasia Ranganath & Channabasa, in Ranganath, Channabasavanna & Krishna-Rao, 1983: 63

Type species: *Neosuidasia faini* Ranganath et Channabasa, in Ranganath, Channabasavanna & Krishna-Rao, 1983

Neosuidasia faini Ranganath et Channabasa, in Ranganath, Channabasavanna & Krishna-Rao

Neosuidasia faini Ranganath & Channabasa, in Ranganath, Channabasavanna & Krishna-Rao, 1983: 64

Type locality: unknown (India?)

Distribution: on imported animal feed by Vegetal Quarantine of Cuba

Genus ***Neottiglyphus*** Volgin

Neottiglyphus Volgin, 1974: 223

Type species *Neottiglyphus alatavicus* Volgin, 1974

Neottiglyphus alatavicus Volgin

Neottiglyphus alatavicus Volgin, 1974: 224

Type locality: Kazakhstan

Distribution: Kazakhstan

Genus ***Saproglyphus*** Berlese

Saproglyphus Berlese, 1890: 6

Type species: *Saproglyphus neglectus* Berlese, 1890 (Diagnostic, Volgin 1980: 161)

Saproglyphus cocciphagus Womersley

Saproglyphus cocciphagus Womersley, 1941: 471

Type locality: Australia

Distribution: Australia

Saproglyphus neglectus Berlese

Saproglyphus neglectus Berlese, 1890: 6 [Diagnostic, Volgin 1980: 161]

Type locality: Sahalin

Distribution: Russia (Sahalin), Italy

Saproglyphus setosus Volgin

Saproglyphus setosus Volgin, 1980: 159

Type locality: Yuzhno-Sakhalinsk (Sakhalin Island)

Distribution: Russia (Far East)

Host: on birch bark

Saproglyphus waldorfae (Fain et Johnston)

Calvolia waldorfae Fain & Johnston, 1974: 416

Saproglyphus waldorfae (Fain et Johnston): Khaustov et al., 2018: 53

Type locality: Domleo, Spinney, Sutton Bonington

Distribution: England, Russia (Tyumen Region)

Host: *Sminthurus fuscus* (Collembola: Sminthuridae), galleries of *Ips typographus* (Coleoptera: Curculionidae, Scolytinae)

Subfam. **Oulenziinae** Oudemans

Oulenziidae: Oudemans, 1928

Type genus: *Oulenzia* Radford, 1950

Genus ***Oulenzia*** Radford

Lenzia Oudemans, 1928: 327 [praeocc.!]

Oulenzia Radford, 1950: 152; [syn. by Hughes 1962: 60; Type is *arboricola*; nomen nova for *Lenzia*?; restaured by Fan et al., 2012]

Type species: *Lenzia arboricola* Oudemans, 1928

Oulenzia arboricola (Oudemans)

Lenzia arboricola Oudemans, 1928: 327

Calvolia arboricola (Oudemans): Hughes, 1962: 61

Oulenzia arboricola (Oudemans): Radford, 1950: 222; Fan, George & Kumarasinghe, 2012: 334; Barbosa & de Moraes, 2021

Type locality: Medan, Deli, Sumatra

Distribution: Indonesia (Sumatra), Brazil

Host: *Hevea* leaves

Genus ***Oulenziella*** Fan, George, Li et Zhang

Oulenziella Fan, George, Li & Zhang, 2015: 191

Type species: *Calvolia bakeri* Hughes, 1962

Oulenziella bakeri (Hughes)

Calvolia bakeri Hughes, 1962: 59 (as nom. nov.); Woodring, 1966: 80

Oulenzia bakeri (Hughes): Radford, 1950

Oulenziella bakeri (Hughes): Fan et al., 2015: 191; Barbosa & de Moraes, 2021

Oulenzia gossypii Meyer & Rodrigues, 1965: (Mozambique, Kaidundjua, on *Gossypium* sp., syn. by Fan et al., 2015)

Type locality: India

Distribution: India, Mozambique, Brazil, Indonesia (Sumatra)

Oulenziella longiseta Barbosa et de Moraes

Oulenziella longiseta Barbosa & de Moraes, 2021:

Type locality: Brazil

Distribution: Brazil

Genus ***Procalvolia*** Fain

Procalvolia Fain, 1971: 283

Type species: *Calvolia zacheri* Oudemans, 1929

Procalvolia aviophilus Sevastianov et Hassan

Procalvolia aviophilus Sevastianov & Hassan, 1989: 141

Type locality: Ukraine

Distribution: Ukraine

Host: *Pica pica* (Aves: Corvidae)

Procalvolia coccinella Sevastianov et Hassan

Procalvolia coccinella Sevastianov & Hassan, 1989: 141

Type locality: Ukraine

Distribution: Ukraine

Host: *Coccinella* (Coleoptera: Coccinellidae)

Procalvolia hamadi Sevastianov et Hassan

Procalvolia hamadi Sevastianov & Hassan, 1989: 141

Type locality: Egypt

Distribution: Egypt

Host: *Labidura riparia* (Dermaptera: Labiduridae)

Procalvolia zacheri (Oudemans)

Calvolia zacheri Oudemans, 1929: 36; Zachvatkin, 1941: 361

Calvolia romanovae Zachvatkin, 1941: 345; Hughes, 1962: 54 (syn. by Fain, 1972)(type from Moskow); Angelkova, 1988:

Calvolia tarsoinfracta Türk & Türk, 1957: 167 (syn. with *Calvolia romanovae* by Hughes, 1962)

Procalvolia zacheri (Oudemans): Fain, 1971: 283; 1972: 235; Rack, 1980: 304

Type locality: Berlin

Distribution: Bulgaria, Germany, New Zealand (cheese), Russia

Genus ***Psylloglyphus*** Fain

Psylloglyphus Fain, 1966: 159

Type species: *Psylloglyphus u. uilenbergi* Fain, 1966

Subgenus ***Psylloglyphus*** (s. str.) Fain

Psylloglyphus Fain, 1966: 159

Type species: *Psylloglyphus u. uilenbergi* Fain, 1966

Psylloglyphus (Psylloglyphus) australiensis Fain, Bartholomaeus, Cooke et Beaucournu

Psylloglyphus (Psylloglyphus) australiensis Fain, Bartholomaeus, Cooke & Beaucournu, 1990: 97

Type locality: Forrest (Victoria)

Distribution: Australia

Hosts: *Pygiopsylla hoplia*, *Bibikovana rainbowi*, *Acanthopsylla r. rothschildi*, *Macropsylla hercules* (Siphonaptera: Pygiopsyllidae)

Psylloglyphus (Psylloglyphus) crenulatus Fain

Psylloglyphus (Psylloglyphus) crenulatus Fain & Beaucournu, 1984: 100

Type locality: Ile de la Possession, Pointe Lieutard, alt. 50 m, Arch. Crozet

Distribution: Arch. Crozet

Psylloglyphus (Psylloglyphus) parapsyllus Fain et Galloway

Psylloglyphus (Psylloglyphus) parapsyllus Fain & Galloway, 1993a: 160

Type locality: Motunau Island, Plateau Region

Distribution: New Zealand

Host: fleas in nests of *Eudyptula minor* and *Pachyptila turtur*

Psylloglyphus (Psylloglyphus) maculatus Fain et Beaucournu

Psylloglyphus (Psylloglyphus) maculatus Fain & Beaucournu, 1976: 184

Type locality: Ulugombak, Selangor, Malaysia

Distribution: Malaysia

Host: *Medwayella robinsoni* (Siphonaptera: Pygiopsyllidae)

Psylloglyphus (Psylloglyphus) reticulatus Fain et Beaucournu

Psylloglyphus reticulatus Fain & Beaucournu, 1976: 182

Type locality: Buhengere, Kivu, DR Congo

Distribution: DR Congo

Host: *Ctenophthamus calceatus cabirus* (Siphonaptera)

Psylloglyphus (Psylloglyphus) u. uilenbergi Fain

Psylloglyphus (Psylloglyphus) uilenbergi Fain, 1966: 162; Fain & Beaucournu, 1976: 181

Type locality: Madagascar, Iwato

Distribution: Madagascar

Hosts: *Paractenophyllus petiti*, *Synopsyllus fonquerniei* (Siphonaptera from tenrecs - *Microgale* and *Setifer setosus*)

Psylloglyphus (Psylloglyphus) uilenbergi kivuensis Fain et Beaucournu

Psylloglyphus (Psylloglyphus) uilenbergi kivuensis Fain & Beaucournu, 1976: 182; Fain & Schwan, 1976: 634

Type locality: Kivu (DR Congo)

Distribution: DR Congo, Gabon, Kenya

Hosts: *Ctenophthalmus cabirus*, *Dinopsyllus apistus*, *D. echinus*, *D. lypus*, *Listropsylla dolosa*, *Stivalius sitianus*, *Xiphiopsylla levis* (Siphonaptera)

Psylloglyphus (Psylloglyphus) vietnamensis Fain et Beaucournu

Psylloglyphus (Psylloglyphus) vietnamensis Fain & Beaucournu, 1972: 529

Type locality: Dalat, South Vietnam

Distribution: Vietnam

Host: *Stivalius aporus rectodigitus* (Siphonaptera) from *Rattus rattus* (Rodentia)

Subgenus ***Psylloglyphus (Hemimeropus)*** Fain et Beaucournu

Psylloglyphus (Hemimeropus) Fain & Beaucournu, 1976: 184

Type species: *Psylloglyphus (Hemimeropus) hemimerus* Fain et Beaucournu, 1976

Psylloglyphus (Hemimeropus) hemimerus Fain et Beaucournu

Psylloglyphus (Hemimerus) hemimerus Fain & Beaucournu, 1976: 184

Type locality: Butare

Distribution: Rwanda

Host: on *Hemimerus bouvieri* (Dermaptera: Hemimeridae), parasite on *Cricetomys gambianus* (Rodentia: Nesomyidae)

Subgenus ***Psyllobia*** Fain, Bartholomaeus, Cooke et Beaucournu

Psyllobia Fain, Bartholomaeus, Cooke et Beaucournu, 1990:

Type species: *Psylloglyphus (Psylloglyphus) foveolatus* Fain et Mason, 1989

Psylloglyphus (Psyllobia) foveolatus Fain et Mason

Psylloglyphus (Psylloglyphus) foveolatus Fain & Mason, 1989: 43; Fain et al., 1990:

Type locality: 12 km S of Launceston, Tasmania

Distribution: Australia (Tasmania, Victoria)

Hosts: phoretic on *Pygiopsylla hoplia* from *Rattus rattus* (Muridae), *Bibikovana rainbowi*, *Acanthopsylla r. rothschildi* (Siphonaptera: Pygiopsyllidae)

Subgenus ***Tetrapsyllopus*** Fain et Beaucournu

Psylloglyphus (Tetrapsyllopus): Fain & Beaucournu, 1986: 257

Type species: *Psylloglyphus (Tetrapsyllopus) micronychus* Fain et Beaucournu, 1986

Psylloglyphus (Tetrapsyllopus) chiliensis Fain et Beaucournu

Psylloglyphus (Tetrapsyllopus) chiliensis Fain & Beaucournu, 1989: 139

Type locality: Isla Quila (Chiloë)

Distribution: Chile

Hosts: *Sphinctopsylla ares* (Stephanocircidae), *Ctenoparia inopinata* (Hystrihopsyllidae)
(Siphonaptera)

Psylloglyphus (Tetrapsyllopus) micronychus Fain et Beaucournu
Psylloglyphus (Tetrapsyllopus) micronychus Fain & Beaucournu, 1986: 258
Type locality: Galletué (Prov. Malleco)
Distribution: Chile

Genus ***Trypetacarus*** Fain
Trypetacarus Fain, 1971: 283
Type species: *Calvolia trypetidarum* Cooreman, 1942

Trypetacarus trypetidarum (Cooreman)
Calvolia trypetidarum Cooreman, 1942: 1
Trypetacarus trypetidarum (Cooreman): Fain, 1971: 283
Type locality: Kutu. District des Bangala
Distribution: DR Congo
Host: *Celidodacus fenestratus* (Diptera: Trypetidae)

Subfamily **Winterschmidtinae** Oudemans
Winterschmidtidae Oudemans, 1923: 206
Calvoliinae Türk & Türk, 1957: 155 – Type: *Calvolia* Oudemans, 1911
Type genus: *Winterschmidtia* Oudemans, 1923

Genus ***Allocalvolia*** Fain et Rack
Allocalvolia Fain & Rack, 1987: 310
Type species: *Allocalvolia habrocytus* Fain et Rack, 1987

Allocalvolia bisculpturata (Mahunka)
Calvolia bisculpturata Mahunka, 1974a: 137; Eraky 1998: 248
Allocalvolia bisculpturatus (Mahunka): Fain & Rack 1987: 311
Type locality: Amedzofe
Distribution: Ghana

Allocalvolia habrocytus Fain et Rack
Allocalvolia habrocytus Fain & Rack, 1987: 311
Type locality: Eastern Austria
Distribution: Austria
Host: *Habrocytus elevatus* (Hymenoptera: Pteromalidae)

Genus ***Calvolia*** Oudemans

Calvolia Oudemans, 1911: 187

Type species: *Calvolia hagensis* Oudemans, 1911

Calvolia antarctica Hughes

Calvolia antarctica Hughes, 1966: 45

Type locality: South Sandwich Islands

Distribution: South Sandwich Islands

Calvolia astoma Türk et Türk

Calvolia astoma Türk & Türk, 1957: 160; Hughes, 1962: 61

Type locality: Erlangen (Germany)

Distribution: Germany, Slovakia

Hosts: *Formica rufa*, *Lasius fuliginosus* (Hymenoptera: Formicidae)

Calvolia bulgarica Štorkan

Calvolia bulgarica Štorkan, 1935: 22; Zachvatkin, 1941: 257; Hughes, 1962: 61

Type locality: Bulgaria, Botev Summit (= Yumrukchal)

Distribution: Bulgaria, Russia

Host: *Aphthona euphorbiae* (Coleoptera: Chrysomelidae, Alticinae)

Calvolia calliphorae Vitzthum

Calvolia calliphorae Vitzthum, 1922: 539; Zachvatkin, 1941: 256; Hughes, 1962: 61

Type locality: Weimar

Distribution: Germany

Host: *Calliphora vomitoria* (Diptera: Calliphoridae)

Calvolia domicola Oshima

Calvolia domicola Oshima, 1979: 240

Type locality: Minami-ku, Yokohama

Distribution: Japan

Host: house dust

Calvolia elisabethae Zachvatkin

Calvolia elisabethae Zachvatkin, 1941: 254

Type locality: Staraya Bukhara (Uzbekistan)

Distribution: Georgia, Uzbekistan

Hosts: *Ellobius talpinus*, *Prometheomys shaposhnikov* (Mammalia: Rodentia)

Calvolia elongata Volgin

Calvolia elongata Volgin, 1980: 167

Type locality: Alma-Atinskaya Obl., Kaskelenskiy Rayon

Distribution: Kazakhstan

Host: manure

Calvolia fraxini Türk et Türk

Calvolia fraxini Türk & Türk, 1957:

Type locality: Munich

Distribution: Germany

Host: *Leperisinus orni* (Coleoptera: Curculionidae)

Calvolia furnissi Woodring

Calvolia furnissi Woodring, 1966: 76

Type locality: Moskow, Idaho

Distribution USA

Host: from the galleries and frass: “from the galleries and frass therein of *Dendroctonus pseudotsugae* in Douglas fir”

Calvolia fusiformis Zachvatkin

Calvolia fusiformis Zachvatkin, 1941: 259; Hughes, 1962: 61

Type locality: Klinskiy Rayon, Moskovskaya Obl.

Distribution: Russia

Host: *Blastophagus minor* (Coleoptera: Curculionidae, Scolytinae)

Calvolia glabra Womersley

Calvolia glabra Womersley, 1941: 474

Type locality: Adelaide Zoo

Distribution: Australia

Host: “from a branchium of a Boa”

Calvolia goetzae Türk et Türk

Calvolia goetzae Türk & Türk, 1957: 163; Hughes, 1962: 61

Type locality: Moskow

Distribution: Russia, Slovakia

Hosts: *Aphodius minor*, *A. prodromus* (Coleoptera: Scarabaeidae)

Calvolia hagensis Oudemans

Calvolia hagensis Oudemans, 1911: 187; Vitzthum, 1920: 58; Zachvatkin, 1941: 359; Hughes, 1962: 61; Fain, 1972: 229

Type locality: Hague

Distribution: Holland

***Calvolia hebeclinii* (Sicher)**

Glycyphagus hebeclinii Sicher, in Canestrini, 1899: 971

Calvolia hebeclinii (Sicher): Zachvatkin, 1941: 253; Hughes, 1962: 61

Type locality: Sicily

Distribution: Italy (Sicily)

Host: on plants

***Calvolia heterocoma* (Michael)**

Tyroglyphus heterocomus Michael, 1903: 106

Czenspinskia heterocoma: Oudemans, 1927:

Calvolia heterocoma (Michael): Zachvatkin, 1941: 248; Hughes, 1962: 61

Type locality: New Forest, Hampshire

Distribution: England, Bulgaria, Slovakia

***Calvolia kamenskii* Zachvatkin**

Calvolia kamenskii Zachvatkin, 1941: 254; Hughes, 1962: 61

Type locality: Bashkortistan

Distribution: Russia

***Calvolia longipes* Türk et Türk**

Calvolia longipes Türk & Türk, 1957: 170

Type locality: Erlangen (Germany)

Distribution: Germany, Slovakia

Host: *Chelidura acanthopygia* (Dermaptera: Forficulidae)

***Calvolia longireticulatae* Ramaraju et Mohanasundaram**

Calvolia longireticulatae Ramaraju & Mohanasundaram, 1999: 47

Type locality: Chidambaram, Tamil Nadu

Distribution: India

Host: Coleoptera, Meloidae gen. sp.

***Calvolia marie* Samšinák**

Calvolia marie Samšinák, 1989: 105

Distribution: DR Congo

Host: *Gymnometopina magna* (Diptera: Sphaeroceridae)

***Calvolia minima* Türk et Türk**

Calvolia minima Türk & Türk, 1957: 170; Hughes, 1962: 61

Type locality: Erlangen

Distribution: Germany

Host: *Scolytus intricatus* (Coleoptera: Curculionidae, Scolytinae)

Calvolia miniopteri Dusbábek

Calvolia miniopteri Dusbábek, 1964: 228

Type locality: Ciertova diera

Distribution: Slovakia

Host: *Miniopterus schreibersi* (Chiroptera: Miniopteridae)

Calvolia priapus Volgin

Calvolia priapus Volgin, 1980: 161; Faradonbeh et al., 2018: 12

Type locality: Semirabad (Azerbaijan)

Distribution: Azerbaijan, Iran, Ukraine (Odessa)

Host: bird's nests

Calvolia reticulata Zachvatkin

Calvolia reticulata Zachvatkin, 1941: 254; Hughes, 1962: 61

Type locality: Sussillon (Switzerland)

Distribution: Slovakia, Switzerland

Host: *Osmia (Anthocopa) dalmatina* (Hymenoptera:

Calvolia romanovae Zachvatkin

Calvolia romanovae Zachvatkin, 1941: 252

Calvolia tarsoinfracta Türk & Türk, 1957: 167 (syn. by Hughes, 1962)

Type locality: Moscow (Russia)

Distribution: Russia, Germany, New Zealand

Calvolia ruehmi Türk et Türk

Calvolia ruehmi Türk & Türk, 1957: 162; Hughes, 1962: 61; Woodring, 1966: 80

Type locality: Erlangen

Distribution: Germany

Host: *Dryocoetes villosus* (Coleoptera: Curculionidae, Scolytinae)

Calvolia solimani Eraky

Calvolia solimani Eraky, 1999: 215

Type locality: Aswan, Botanical Island

Distribution: Egypt

Host: Phoretic on *Amitermes desertorum* (Insecta)

Calvolia striata Vitzthum

Calvolia striata Vitzthum, 1914: 324; Zachvatkin, 1941: 260; Hughes, 1962: 61

Type locality: Ivory Coast

Distribution: Italy (?), Ivory Coast

Hosts: *Taphrorhynchus* sp. (?), *Pityogenes lepidus* (Coleoptera: Curculionidae, Scolytinae)

***Calvolia summersi* Mostafa**

Calvolia summersi Mostafa, 1971: 577

Type locality: Amazonas, Manaus

Distribution: Brazil

Host: *Zethus binodis* (Hymenoptera: Vespidae, Eumeninae)

***Calvolia thraca* Vitzthum**

Calvolia thraca Vitzthum, 1922: 542; Zachvatkin, 1941: 255; Hughes, 1962: 61

Type locality: Bulgaria, Sofia

Distribution: Bulgaria, Russia

Host: Diptera

***Calvolia tuberculata* Zachvatkin**

Calvolia tuberculata Zachvatkin, 1941: 248; Hughes, 1962: 61; Woodring, 1966: 80

Type locality: Georgia

Distribution: Georgia, Slovakia

***Calvolia wichmanni* Türk et Türk**

Calvolia wichmanni Türk & Türk, 1957: 164

Type locality: Erlangen

Distribution: Germany

Host: *Pyrrhidium sanguineum* (Coleoptera: Cerambycidae)

***Calvolia zachvatkini* Volgin**

Calvolia zachvatkini Volgin, 1980: 165

Type locality: Russia (Orichevsky Rayon, Kirovskaya Obl.)

Distribution: Kazakhstan, Russia

Host: hay and rodent's nests

***Calvolia zacheriana* nom. nov. Eraky**

Calvolia zaheri Eraky, 1998: 246; 1999: 217

Type locality: 47 km North of El-Kharga city, New Valley

Distribution: Egypt

Host: *Psammotermes hypostoma* (Isoptera: Rhinotermitidae)

***Calvolia* sp.**

Hosts: *Hybomitra affinis*, *H. epitates*, *H. lasiophthalma*, *H. nuda*, *Tabanus atratus* (Canada)

Genus **Czenspinskia** Oudemans

Genus **Czenspinskia** Oudemans, 1923 [syn. with *Calvolia* by Hughes 1962: 60; separate by OConnor]

Donndorffia Oudemans, 1931: 203; [syn. by Hughes 1962: 60; Type is *transversostrata*]

Type species: *Tyroglyphus heterocomus* Michael, 1903

Czenspinskia transversostrata (Oudemans)

Donndorffia transversostrata Oudemans, 1931: 203

Czenspinskia transversostrata (Oudemans): Ripka et al., 2002: 278; Barbosa & de Moraes, 2021

Czenspinskia lordi Nesbitt, 1946: syn. by Hughes, 1962

Calvolia transversostrata (Oudemans): Hughes 1962: 48

Type locality: “Mares niet gevonden”

Distribution: Croatia, Holland, France, Hungary, Italy, Switzerland, Spain, Canada, USA, Brazil, Australia

Genus **Parawinterschmidtia** Khaustov

Parawinterschmidtia Khaustov, 2000: 57

Type species: *Calvolia kneissli* Krausse, 1919

Parawinterschmidtia kneissli (Krausse)

Calvolia kneissli Krausse, 1919: 123; Zachvatkin, 1941: 255; Türk & Türk, 1957: 157; Samšinák, 1957; Hughes, 1962: 61; Cooreman, 1963: 24; Woodring, 1966: 80

Parawinterschmidtia kneissli (Krausse): Khaustov, 2000: 57; Khaustov et al., 2018: 49

Type locality: Germany

Distribution: Belgium, Germany; “Czechoslovakia”, Poland, Crimea, Russia, Slovakia

Hosts: *Lithobius forficatus* (Chilopoda, Lithobiomorpha: Lithobiidae); *Raphidia* sp. (larva) (Raphidioptera: Raphidiidae); *Ips* [*Orthomicus*] *laricis*, *Brachyderes incanus* *Hylobius abietis*, *Pissodes pini*, *P. piniphilus* (Coleoptera: Curculionidae, Scolytinae), *Thanasimus formicarius* (Coleoptera: Cleridae); *Mesosa nebulosi*, *Rhagium sycophanta*, *R. inquisitor*, *Plagionotus detritus*, *Monochamus galloprovincialis*, *Spondylis buprestoides* (Col.: Cerambycidae), *Crypticus quisquilius* (Col.: Tenebrionidae), *Myzia oblongoguttata* (Col.: Coccinellidae), *Acanthocinus aedilis*, *Spondylis buprestoides*, *Sericus brunneus* (Elateridae)

Tomicus piniperda, *Hylastes attenuates*, *Crossocerus vagabundus*, *C. leucostoma*, *Ectemnius cavifrons*, *E. cephalotes* (Crabronidae), *Sceliphron deforme* (Sphecidae), *Astata kashmirensis* (Astatinae)

Parawinterschmidtia sp. – Finland (Penttinen, Viiri & Moser, 2013)

Genus ***Riemia*** Oudemans

Riemia Oudemans, 1925: 90

Type species: *Riemia hesperidum* Oudemans, 1925

Riemia hesperidum Oudemans

Riemia hesperidum Oudemans, 1925: 90

Type locality: Arnhem

Distribution: Holland

Genus ***Winterschmidtia*** Oudemans

Winterschmidtia Oudemans, 1923: 207

Afrocalvolia Fain & Elsen, 1971: 281 [Type is *glossinarum*; Syn. Khaustov 2000: 50]

Type species of *Winterschmidtia* Oudemans: *Suidasia hamadryas* Vitzthum, 1923

Winterschmidtia athiasae (Fain)

Afrocalvolia athiasae Fain, 1974: 70

Type locality: La Savane de Lamto

Distribution: Ivory Coast

Winterschmidtia brenyi (Cooreman)

Calvolia brenyi Cooreman, 1963: 32

Winterschmidtia brenyi (Cooreman): Khaustov 2000: 53

Type locality: Gembloux, Prov. de Namur)

Distribution: Belgium, Crimea

Host: *Pteleobius vittatus* (Coleoptera: Curculionidae, Scolytinae)

Winterschmidtia chaetoptelii Khaustov

Winterschmidtia chaetoptelii Khaustov, 2000: 55

Type locality: Crimea, Alushta

Distribution: Crimea

Host: Phoretic on *Chaetoptelius vestitus* (Coleoptera: Curculionidae)

Winterschmidtia circumspectans (Vitzthum)

Calvolia circumspectans Vitzthum, 1920: 56; Zachvatkin, 1941: 258; Hughes, 1962: 61

Afrocalvolia circumspectans (Vitzthum): Fain, 1974: 70

Type locality: Himalaya, Nilam-Dshong, NW Abhang .des Gaurisankar

Distribution: Tibet

Host: *Ips stebbingi* (Coleoptera: Curculionidae, Scolytinae)

Winterschmidtia crassisetosa Willmann

Winterschmidtia crassisetosa Willmann, 1941: 65

Type locality: Italy

Distribution: Italy

Host: *Phloeotribus scarabaeoides* (Coleoptera: Curculionidae, Scolytinae)

***Winterschmidtia elongata* Türk et Türk**

Winterschmidtia elongata Türk & Türk, 1957: 154

Type locality: Erlangen

Distribution: Germany

***Winterschmidtia glossinarum* (Fain et Elsen)**

Afrocalvolia glossinarum Fain & Elsen, in Fain 1971: 281; Fain & Elsen, 1972: 74

Winterschmidtia glossinarum (Fain et Elsen): [Khaustov, 2000]

Type locality: Benzali nr. Kinshasa

Distribution: DR Congo

Hosts: *Glossina fuscipes quanzensis*, *G. palpalis palpalis* (Diptera: Glossinidae)

***Winterschmidtia hamadryas* (Vitzthum)**

Suidasia hamadryas Vitzthum, 1923: 156

Winterschmidtia hamadryas (Vitzthum): Oudemans, 1923: 206; 1927: 246; Zachvatkin, 1941: 240; Khaustov, 2000: 51; Ahadyat & Ostovan, 2005

Type locality: Germany

Distribution: Germany, Crimea, Iran

Host: burrows of *Scolytus rugulosus*; on *Scolytus amygdali* (Coleoptera: Curculionidae, Scolytinae)

***Winterschmidtia lamtoensis* (Fain)**

Afrocalvolia lamtoensis Fain, 1974: 72

Type locality: La Savane de Lamto

Distribution: Ivory Coast

***Winterschmidtia nataliae* (Zachvatkin)**

Calvolia nataliae Zachvatkin, 1941: 262; Cooreman, 1963: 28

Calvolia elliptica Zachvatkin, 1941: 262; Hughes, 1962: 61 – Type: Sviblovo near Moscow, Russia, on *Ips acuminatus* (Coleoptera: Curculionidae, Scolytinae) *Calvolia fraxini* Türk & Türk, 1957: 1957: 166; Hughes, 1962: 61 (syn. by Cooreman, 1963)

Winterschmidtia nataliae (Zachvatkin): Khaustov, 2000: 52

Type locality: Alekseevskoe Village near Moscow

Distribution: Belgium, Germany, Poland, Russia, Crimea

Hosts: *Leperesinus* [*Hylesinus*] *fraxini*, *L. omi* (Coleoptera: Curculionidae, Scolytinae)

***Winterschmidtia tsetse* (Fain et Elsen)**

Afrocalvolia tsetse Fain & Elsen, 1972: 75

Type locality: Kaniama, Lomami

Distribution: DR Congo

Hosts: *Glossina fuscipes quanzensis* (Diptera: Glossinidae)

Winterschmidtia villifrons Khaustov

Winterschmidtia villifrons Khaustov, 2000: 56

Type locality: Crimea, Yaltinskiy Gornolesnoy reserve

Distribution: Crimea

Host: Phoretic on *Taphrorychus villifrons* (Coleoptera)

Winterschmidtia zachvatkini Khaustov

Winterschmidtia zachvatkini Khaustov, 2000: 57

Type locality: Yalta

Distribution: Crimea

Host: Phoretic on *Pityogenes calcaratus* (Coleoptera: Curculionidae, Scolytinae)

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Distribution of Winterschmidtidae

EUROPE

- Armenia** (Klompen & OConnor, 1995) - *Ensliniella parasitica*
Austria (Fain, 1973; Fain & Rack, 1987; Klompen & OConnor, 1995; Moser et al., 2005)
 - *Allocalvolia habrocytus*, *Crabrovidia ectemnii*, *Ensliniella kostylevi*
Azerbaijan (Volgin, 1980) - *Calvolia priapus*
Belarus (Vitzthum, 1925) - *Ensliniella kostylevi*
Belgium (Cooreman, 1948, 1963; Fain, 1972, 1973; Fain, Hurst et al. 1997; Klompen & OConnor, 1995) - *Congovidia coccinellidarum*, *Crabrovidia concellaria*, *C. ectemnii*, *Ensliniella floricola*, *E. kostylevi*, *Winterschmidtia brenyi*, *W. nataliae*
Bulgaria (Vitzthum, 1922; Štorkan, 1935; Angelkova, 1988; Klompen & OConnor, 1995)
 - *Calvolia bulgarica*, *C. heterocoma*, *C. thraca*, *C. tuberculata*, *Ensliniella kostylevi*, *Procalvolia zacheri* (= *Calvolia romanovae*)
Croatia (Fain, 1972, 1973; Klompen & OConnor, 1995; Ripka et al., 2002;) - *Crabrovidia ectemnii*, *C. popovi*, *Czenspinskia transversostriata*, *Ensliniella floricola*
Finland (Penttinen, Viiri & Moser, 2013; Linnakoski et al., 2016) - *Probonomoia pini*
France (Fain, 1972, 1973; Klompen & OConnor, 1995) - *Crabrovidia concellaria*, *C. ectemnii*, *Ensliniella floricola*, *E. kostylevi*
Corsica (Fain, 1973) - *Crabrovidia corsicana*
Georgia (Zachvatkin, 1941) - *Calvolia elisabethae*, *C. tuberculata*
Germany (Vitzthum, 1922, 1923, 1925; Türk & Türk, 1957) - *Calvolia calliforae*, *C. fraxini*, *C. minima*, *C. romanovae* (= *tarsoinfracta*), *Ensliniella parasitica*, *Procalvolia zacheri*, *Winterschmidtia hamadryas*, *W. nataliae*
Great Britain (Fain & Johnston, 1974; Fain, Hurst et al., 1997; Fain & Greenwood, 1991)
 - *Calvolia waldorfae*, *Congovidia coccinellidarum*, *Probonomoia pini*
Greece (Klompen & OConnor, 1995) - *Ensliniella floricola*, *E. kostylevi*

Crete (Fain, 1973) - *Crabrovidia ectemnii*

Corfu (Fain, 1971) - *Crabrovidia oudemansi*, *Vidia lineata*

Holland (Oudemans, 1909, 1911, 1917, 1925, 1931; Klompen & OConnor, 1995) - *Acalvolia squamata*, *Calvolia hagensis*, *Czenspinskia transversostriata*, *Ensliniella kostylevi*, *E. parasitica*, *Myianoetus dionychus*, *M. simplex*, *Riemia hesperidum*, *Vidia lineata*

Hungary (Mahunka, 1970; Ripka et al, 2002) - *Sphexicozela connivens*, *Czenspinskia transversostriata*

Italy (Oudemans, 1905; Fain, 1973; Baker & Cunliffe, 1960) - *Calvolia hebeclinii*, *C. striata*, *Crabrovidia popovi*, *Czenspinskia transvertostriata*, *Ensliniella parasitica*, *Saproglyphus neglectus*, *Vidia lineata*, *V. undulata*

Sicily (Sicher, in Canestrini, 1899) - *Calvolia hebeclinii*

Sardinia - *Calvolia hebeclinii*

Poland (Fain, Hurst et al., 1997; Kiełczewski, Moser & Wiśniewski, 1983; Kiełczewski & Wiśniewski, 1971, 1980; Haitlinger, 1904; Michalski & Ratajczak, 1989) - *Divilia exigua*, *Probonomoia pini*

Russia (Zachvatkin, 1941; Türk & Türk, 1957; Krivoluckiy, 1975; Bugrov, 1997; Klimov, 1998; Ermilov & Mokrousov, 2008, 2010; Khaustov et al., 2018) - *Calvolia elisabethae*, *C. goetzae*, *C. kamenskii*, *C. romanovae*, *C. thraca*, *Crabrovidia gussakovskii*, *Parawinterschidtia kneissli*, *Probonomoia pini*, *P. sibirica*, *Winterschmidtia nataliae*

Crimea (Zachvatkin, 1941; Khaustov, 2000) - *Crabrovidia gussakovskii*, *Parawinterschidtia kneissli*, *Winterschmidtia brenyi*, *W. chaetoptelii*, *W. villifronsi*, *W. zachvatkini*

Kuril Islands (Klimov, 1998) - *Crabrovidia gussakovskii* (*Iturup*)

Slovakia (Dusbabek, 1964; Kaluz & Žuffa, 1986; Sidor, 1986; Zamec, 2013, 2014) - *Calvolia astoma*, *C. fraxini*, *C. goetzae*, *C. heterocoma*, *C. kneissli*, *C. longipes*, *C. miniopteri*, *C. reticulata*, *C. tarsoinfracta*, *Ensliniella parasitica*

Spain (Fain, 1973, Klompen & OConnor, 1995) - *Crabrovidia ectemnii*, *C. popovi*, *Ensliniella parasitica*

Switzerland (Fain, 1973) - *Crabrovidia ectemnii*

Turkey (Fain, 1973; Klompen & OConnor, 1995) - *Crabrovidia popovi*, *Ensliniella dignotus*, *E. floricola*, *E. kostylevi*

Ukraine (Zachvatkin, 1941; Khaustov, 2000; Rusina & Orlova, 2011) - *Crabrovidia popovi*, *Ensliniella kostylevi*, *Sphexicozela connivens*, *Winterschmidtia hamadryas*, *W. natalyae*,

AFRICA

Algeria (Klompen & OConnor, 1995) - *Ensliniella kostylevi*

DR Congo (Cooreman, 1942; Fain, 1971; Fain & Elsen, 1972, 1973; Fain & Beaucournu, 1976; Samšinák, 1989) - *Calvolia marie*, *Congovidia glossinae*, *Congovidiella hieroglyphica*, *Psylloglyphus uilenbergi kivuensis*, *Winterschmidtia* (= *Afrocalvolia*) *glossinarum*, *Trypetacarus trypetidarum*

Egypt (Baker & Cunliffe, 1960; Sevastianov & Gad-Hamada-Hassa, 1989; Hassan & Sevastianov, 1989; Eraky, 1998; El-Kawas & Negm, 2018) - *Calvolia solimani*, *C. zaheri*, *Ensliniella aegyptiaca*, *Procalvolia hamadi*

- Gambia** (Mahunka, 1975) - *Gambacarus huettleri*
Ghana (Mahunka, 1974) - *Allocalvolia biscalpturata*
Ivory Coast (Fain, 1974) - *Winterschmidtia* (= *Afrocalvolia*) *athiasae*, *W. lamtoensis*
Madagascar (Fain, 1966; Fain & Beaucournu, 1976) - *Psylloglyphus uilenbergi*
Kenya (Fain & Schwan, 1976) - *Psylloglyphus uilenbergi kivuensis*
Morocco (Fain, 1972, 1973; Baker & Cunliffe, 1960) - *Crabrovidia ectemnii*, *Ensliniella koenigi*
Mozambique (Meyer & Rodrigues, 1965) - *Oulenziella bakeri* (syn. *Oulenzia gossypii*)
Rwanda (Fain & Beaucournu, 1976) - *Psylloglyphus (Hemimerus) hemimerus*
South Africa (Fain, 1973) - *Crabrovidia dasyproctus*

ASIA

- China** (Chang et al., 2017, 2020) - Winterschmidtidae
Taiwan (Fain, 1973) - *Crabrovidia dasyproctus*
Cyprus (Fain, 1973) - *Crabrovidia ectemnii*, *C. leclercqi*
India (Hughes, 1962; Fain, 1973) - *Crabrovidia dasyproctus*, *Calvolia bakeri*
Indonesia (Oudemans, 1928; Hughes, 1962) - *Oulenzia arboricola*, *Calvolia bakeri*
Iran (Ahadiyat & Ostovan, 2006; Faradonbeh et al., 2018; Nazari, Monfared, Nemati & Azhari, 2019) - *Calvolia priapus*, *Crabrovidia oudemansi*, *Vidia lineata*, *Winterschmidtia hamadryas*
Japan (Fain, 1973; Okabe & OConnor, 2002; Abe & Okabe, 2006) - *Crabrovidia ectemnii* [Okinawa], *Ensliniella asiatica*, *Kurosaia jiju*
Kazakhstan (Volgin, 1974) - *Neottiglyphus alatavicus*
Malaysia (Fan et al., 2012) - *Oulenzia sp.*
Philippines (Fain, 1973) - *Crabrovidia dasyproctus*
Singapour (Fain, 1973) - *Crabrovidia dasyproctus*
Tadjikistan (Klompén & OConnor, 1995) - *Ensliniella parasitica*
Uzbekistan (Zachvatkin, 1941) - *Crabrovidia popovi*, *Ensliniella parasitica*
Vietnam (Fain & Beaucournu, 1972) - *Psylloglyphus vietnamensis*

NORTH AMERICA

- Bermudas** (Fain & Schuster, 1983) - *Neocalvolia inermis*
Canada (Nesbitt, 1946; Baker & Cunliffe, 1960; OConnor & Eickwort, 1988; Mullen, Leprince & OConnor, 1989) - *Crabrovidia latimanus*, *Vespacarus vagus*, *Vidia sp. A and B*, *Calvolia sp.*
Mexico (Baker & Cunliffe, 1960; Mostafa, 1970b, 1971; Fain, 1972, 1973) - *Crabrovidia ectemnii*, *Monobiacarus funebris*, *M. insularis*, *Zethacarus boharti*, *Z. ellipsus*, *Z. miscogaster*, *Zethovidia floridae*
USA (Baker & Cunliffe, 1960; Baker, 1964; Woodring, 1966; Mostafa, 1967; Delfinado & Baker, 1976; Fain & Philips, 1978; OConnor & Eickwort, 1988; Fan, George & Kumarasinghe, 2010) - *Acalvolia americana*, *Calvolia furnissi*, *Crabrovidia rubi*, *C.*

texana, *C. thomasi*, *C. utahensis*, *Monobiacarus quadridens*, *Sapracarus tuberculatus*, *Vespacarus anacardivorus*, *V. histrio*, *V. minimoferus*, *V. pedestris*, *V. tigris*, *V. toltecus*

SOUTH AND CENTRAL AMERICA

Argentina (Mostafa, 1971; Fain, 1972, 1973) - *Crabrovidia ectemnii*, *Zethacarus andinus*, *Z. argentinae*, *Z. haywardi*, *Zethovidia parvula*

Bolivia (Fain, 1972, 1973) - *Crabrovidia ectemnii*

Brazil (Mostafa, 1970b; 1971; Fain, 1972, 1973; Fain & Camerik, 1978; Barbosa & de Moraes, 2021) – *Acalvolia squamata*, *Calvolia summersi*, *Crabrovidia brasiliensis*, *C. crossocerus*, *C. ectemnii*, *Czenspinskia transversostriata*, *Dichotomiopus biiaggioi*, *Macroharpa amazonica*, *M. arota*, *M. pachymapoda*, *M. palpognatha*, *Oulenzia arboricola*, *Oulenziella bakeri*, *O. longiseta*, *Zethacarus paranicus*, *Z. smithii*, *Zethovidia oculabsena*, *Z. brasiliensis*, *Z. diminuta*, *Z. promina*

Chile (Fain & Beaucornu, 1986, 1989) – *Psylloglyphus (Tetrapsyllopus) chiliensis*, *P. (T.) micronychus*

Colombia (Fain, 1972, 1973) - *Crabrovidia ectemnii*

Costa Rica (Fain, 1972, 1973) - *Crabrovidia ectemnii*

Cuba (Fain, 1973) - *Crabrovidia cubensis*

El Salvador (Mostafa, 1970a) - *Zethovidia salvadorensis*

French Guiana (Mostafa, 1970b) - *Zethovidia acaris*

Guiana (Fain, 1972, 1973) - *Crabrovidia ectemnii*

Honduras (Fain, 1972, 1973) - *Crabrovidia ectemnii*

Jamaica (Fain, 1973) - *Crabrovidia ectemnii*

Panama (Mostafa, 1970b) – *Zethovidia fusca*

Paraguay (Mostafa, 1970a) - *Zethovidia diminuta*, *Z. paraguayensis*

Puerto Rico (Fain, 1973) - *Crabrovidia ectemnii*

Suriname (Mostafa, 1970b) - *Zethovidia brevapodemis*

Venezuela (Mostafa, 1970b) - *Zethovidia reticulata*

OCEANIA

Australia (Womersley, 1941; Fain, 1989; Fain, Bartholomaeus, Cooke & Beaucornu, 1990) – *Calvolia glabra*, *Czenspinskia transversostriata*, *Psylloglyphus australiensis*, *P. foveolatus* [Tasmania, Victoria], *Saproglyphus cocciphagus*

New Zealand (Fain & Galloway, 1973a, 1973b) - *Psylloglyphus (Psylloglyphus) parapsyllus*

ANTARCTICA

South Georgia (Hughes, 1970) – *Neocalvolia claggi*

South Shetlands (Rosas & Casanueva, 1993) - *Neocalvolia coperminensis*

South Sandwich Islands (Hughes, 1966) - *Calvolia antarctica*

Hosts of Winterschmidtidae

Insecta

Coleoptera

Fam. Scarabaeidae

Aphodius minor – *Calvolia goetzae*

prodromus - *Calvolia goetzae*

Cetonia aurata – *Vidia* sp.

Fam. Curculionidae

Subfam. Scolytinae

Hylesinus fraxini – *Winterschmidtia nataliae*

Ips stebbingi – *Winterschmidtia circumspectans*

Leperisinus omi – *Winterschmidtia nataliae*, *Calvolia fraxini*

Orthomicus laricis – *Parawinterschmidtia kneissli*

Pityogenes calcaratus - *Winterschmidtia zachvatkini*

Pteleobius vittatus – *Winterschmidtia brenyi*

Scolytus amygdali – *Winterschmidtia hamadryas*

S. intricatus – *Calvolia minima*

Fam. Coccinellidae

Adalia bipunctata - *Congovidia benelux*

Calvia duodecimguttata – *Divilia exigua*

Chilocorus renipustulatus – *Divilia occidentalis*

Halyzia sedecimguttata - *Congovidia coccinellidarum*

Fam. Cerambycidae

Mesosa nebulosa - *Parawinterschmidtia kneissli*

Dermoptera

Fam. Labiduridae

Chelidura acanthopygia – *Calvolia longipes*

Labidura riparia - *Procalvolia hamadi*

Hymenoptera

Fam. Megachilidae

Megachile pilicrus - *Vidia lineata*

Megachile (*Litomegachile*) *texana* – *Crabrovidia texana*

Megachile (*Sayapis*) *fidelis* - *Crabrovidia hirsuta*

Megachile (*Xeromegachile*) *rubi* – *Crabrovidia rubi*

Fam. Crabronidae

Crabro solenius - *Crabrovidia gussakovskii*

Cerceris arenaria – *Crabrovidia concellaria*

C. rubida – *Crabrovidia leclercqi*

Cerceris sp. - *Crabrovidia oudemansi*

Crossocerus elongatus – *Crabrovidia corsicana*
C. porexus – *Crabrovidia crossocerus*
Dasyproctus agilis orientalis – *Crabrovidia dasyproctus*
D. bipunctatus lugubris – *Crabrovidia dasyproctus*
D. buddha – *Crabrovidia dasyproctus*
D. cevirus – *Crabrovidia dasyproctus*
D. westermanni – *Crabrovidia dasyproctus*
Ectemnius carinatus – *Crabrovidia ectemnii*
E. cavifrons – *Crabrovidia ectemnii*
E. centralis – *Crabrovidia ectemnii*
E. continuus [= *Crabro vagus* auct.] – *Crabrovidia ectemnii*, *C. gussakovskii*
E. craesus – *Crabrovidia ectemnii*
E. cubiceps – *Crabrovidia brasiliensis*
E. [Crabro] fossorius – *Crabrovidia gussakovskii*
E. guttatus – *Crabrovidia ectemnii*
E. hypsae – *Crabrovidia ectemnii*
E. impressus – *Crabrovidia ectemnii*, *C. gussakovskii*, *C. popovi*
E. laevigatus – *Crabrovidia ectemnii*
E. lapidaries – *Crabrovidia ectemnii*
E. schettereri – *Crabrovidia ectemnii*
E. semipunctatus – *Crabrovidia ectemnii*
E. singularis – *Crabrovidia ectemnii*
E. sonorensis – *Crabrovidia ectemnii*
E. sexcinctus – *Crabrovidia ectemnii*
Lestica alata – *Crabrovidia popovi*
L. clypeata – *Crabrovidia popovi*
L. cubensis – *Crabrovidia cubensis*
L. wollmanni – *Crabrovidia popovi*
Sphex hemorrhoidalis – *Crabrovidia africana*

Fam. Pteromalidae

Habrocytus elevatus – *Allocalvolia habrocytus*

Fam. Colletidae

Hylaea (Prosopis) conformis – *Vidia undulata*

Fam. Vespidae

Subfam. Eumeninae

Allodynerus floricola – *Ensliniella floricola*

A. delphinalis – *Ensliniella parasitica*

A. mandschuricus – *Ensliniella asiatica*

Subfam. Zethinae

Zethus andinus – *Zethacarus andinus*

Z. carbonarius – *Zethovidia acaris*

Z. coeruleopennis – *Z. brasiliensis*
Z. d. diminutus – *Z. diminuta*
Z. diminutus santaremae – *Z. diminuta*
Z. haywardi – *Zethacarus argentinae*
Z. guerreroi arizonensis – *Zethovidia arizonensis*
Z. guerreroi mayorum – *Zethacarus boharti*
Z. orizabae – *Z. ellipticus*
Z. miscogaster – *Z. miscogaster*
Z. smithii – *Z. paranicus*
Z. arotus – *Macroharpa arota*
Z. biglumis ferrugineus – *Macroharpa amazonica*
Z. lobulatus – *Macroharpa pachymapoda*
Z. orizabae – *Zethacarus ellipsus*
Z. roridus – *Macroharpa palpognatha*

Subfam. Polystinae

Polystes dominula - *Sphexicozela connivens*
P. gallica - *Sphexicozela connivens*
P. nimpha - *Sphexicozela connivens*

Fam. Eulophidae

Melittobia acasta – *Ensliniella parasitica*

Diptera

Fam. Trypetidae

Celidodacus fenestratus - *Trypetacarus trypetidarum*

Fam. Glossinidae

Glossina fuscipes quanzensis - *Winterschmidtia glossinarum*, *W. tsetse*, *Congo-
vidia glossinae*

Glossina palpalis palpalis - *Winterschmidtia glossinarum*

Fam. Sphaeroceridae

Gymnometopina magna - *Calvolia marie*

Fam. Tabanidae

Hybomitra epistates – *Vidia* sp. A, *Calvolia* sp.

H. affinis – *Calvolia* sp.

H. lasiophthalmus - *Calvolia* sp.

H. microcephala - *Vidia* sp. A

H. nuda - *Calvolia* sp.

Tabanus atratus - *Calvolia* sp.

T. quinquevittatus - *Vidia* sp. B

Siphonaptera (phoretic acari on parasites)

Notiopsylla kerguelenensis – *Notiopsyllopus segermanae*, *Psylloglyphus crenu-
latus*

Synopsyllus fonquerniei – *Psylloglyphus u. uilenbergi*

Paractenopsyllus petiti - *Psylloglyphus u. uilenbergi*
Medwayella robinsoni - *Psylloglyphus maculatus*
Stivalius aporus rectodigitus - *Psylloglyphus vietnamensis*
Pygiopsylla hoplia - *Psylloglyphus foveolatus*

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ACARORUM CATALOGUS

IX

The ninth volume of this series "Acarorum Catalogus" is devoted to the Superfamilia Shizoglyphoidea (Schizoglyphidae). Histiostomatoidea (Histiostomatidae, Guanolichidae). Canestrinioidea (Canestriniidae, Chetochelacaridae, Lophonotacaridae, Heteroptidae). Hemisarcoptoidea (Chaetodactylidae, Hyadesiidae, Algophagidae, Hemisarcoptidae, Carpoglyphidae, Winterschmidtidae). About 1268 species of 225 genera are listed therein, with synonymies and citations in various papers. The book also contains a list of by-country distributions, type localities, hosts of the parasitic species and lists of authors who published on any known species of these families. The last Xth volume of the same series is under way.

