

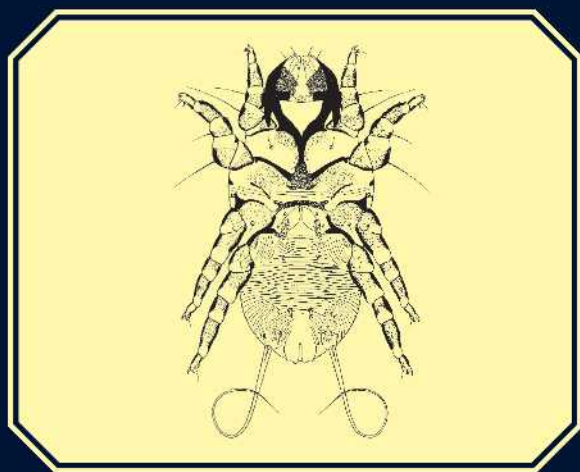
ACARORUM CATALOGUS

— X —

TROMBIDIFORMES

Prostigmata

Petar Beron



ACARORUM CATALOGUS

Petar Beron

ACARORUM CATALOGUS

X

Trombidiformes

Prostigmata

Superfamilia Labidostommatoidea (Labidostommatidae)

Superfamilia Eupodoidea

**(Eupodidae, Dendrochaetidae, Rhagidiidae,
Eriorhynchidae, Pentapalpidae, Penthalodidae,
Penthaleidae, Proterorhagiidae, Strandtmanniidae)**

Superfamilia Tydeoidea

Ereynetidae

Superfamily Paratydeoidea

Paratydeidae

Superfamilia Anystoidea

**(Anystidae, Erythracaridae, Teneriffiidae,
Pseudocheylidae, Stigmocheylidae)**

Superfamilia Caeculoidea (Caeculidae)

Superfamilia Adamystoidea (Adamystidae)

Superfamilia Pomerantzioidea (Pomerantziidae)

Petar Beron

Pensoft

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

Sofia–Moscow

2022

ACARORUM CATALOGUS X

Acariformes

Acaridida

Superfamilia Labidostommatoidea

Superfamilia Eupodoidea

Superfamilia Tydeoidea

Superfamily Paratydeoidea

Superfamilia Anystoidea

Superfamilia Caeculoidea

Superfamilia Adamystoidea

Superfamilia Pomerantzioidea

Petar Beron

First published 2022

ISBN 978-619-248-088-2 (paperback)

ISBN 978-619-248-088-2 (e-book)

Pensoft Series Faunistica No 225

Beron P. 2022. Acarorum Catalogus X. Superfamilia Labidostommatoidea. Superfamilia Eupodoidea. Superfamilia Tydeoidea. Superfamily Paratydeoidea. Superfamilia Anystoidea. Superfamilia Caeculoidea. Superfamilia Adamystoidea. Superfamilia Pomerantzioidea. Pensoft & National Museum of Natural History, Sofia, 424 pp.

© PENSOFT Publishers

© National Museum of Natural History, Sofia

Pensoft Publishers

Prof. Georgi Zlatarski 12, Sofia 1700, Bulgaria

info@pensoft.net

www.pensoft.net

Printed in Bulgaria, December 2022

Contents

Introduction	10
Order Trombidiformes	11
Infraorder Labidostommatina	11
The Mite Superfamily Labidostommatoidea.....	11
The Mite Family Labidostommatidae Oudemans.....	11
Composition of fam. Labidostommatidae	12
Catalogue of Labidostommatidae	12
Index of Labidostommatidae	26
Distribution of Labidostommatidae	28
Bibliography of Labidostommatidae.....	30
Infraorder Eupodina	37
The Mite Superfamily Eupodoidea.....	37
The Mite Family Eupodidae Koch.....	38
Composition of the families Eupodidae and Cocceupodidae	39
Catalogue of Eupodidae and Cocceupodidae.....	39
Index of Eupodidae and Cocceupodidae	56
Distribution of Eupodidae and Cocceupodidae.....	59
Bibliography of Eupodidae and Cocceupodidae.....	62
The Mite Family Dendrochaetidae Olivier	71
Catalogue of Dendrochaetidae	71
Index of Dendrochaetidae.....	71
Distribution of Dendrochaetidae	72
Bibliography of Dendrochaetidae	72
The Mite Family Rhagidiidae Oudemans.....	72
Composition of fam. Rhagidiidae	73
Catalogue of Rhagidiidae	74
Index of Rhagidiidae	104
Distribution of Rhagidiidae	108
Bibliography of Rhagidiidae.....	113
The Mite Family Eriorhynchidae Qin et Halliday.....	122
Catalogue of fam. Eriorhynchidae	122
Index of Eriorhynchidae	123

Distribution of Eriorhynchidae	124
Bibliography of Eriorhynchidae	124
The Mite Family Pentapalpidae Olivier et Theron	124
Composition of fam. Pentapalpidae.....	124
Catalogue of Pentapalpidae.....	124
Index of Pentapalpidae.....	125
Distribution of Pentapalpidae.....	125
Bibliography of Pentapalpidae	125
The Mite Family Penthlodidae Thor	125
Composition of fam. Penthlodidae	125
Catalogue of Penthlodidae	126
Index of Penthlodidae.....	133
Distribution of Penthlodidae	134
Bibliography of Penthlodidae.....	136
The Mite Family Penthleidae Oudemans	140
Composition of fam. Penthleidae.....	140
Catalogue of fam. Penthleidae	140
Index of Penthleidae.....	146
Distribution of Penthleidae.....	147
Bibliography of Penthleidae	148
The Mite Family Proterorhagiidae Lindquist et Palacios-Vargas.....	155
Catalogue of Proterorhagiidae.....	155
Index of Proterorhagiidae.....	156
Distribution of Proterorhagiidae.....	156
Bibliography of Proterorhagiidae	156
The Mite Family Strandtmanniidae Zacharda.....	156
Catalogue of Strandtmanniidae.....	156
Index of Strandtmanniidae	157
Distribution of Strandtmanniidae.....	157
Bibliography of Strandtmanniidae.....	157
Mite Superfamily Tydeoidea	158
The Mite Family Ereyenetidae Oudemans.....	158
Catalogue of Ereyenetidae.....	160
Index of Ereyenetidae	206
Distribution of Ereyenetidae.....	211

Hosts of Ereynetidae	215
Bibliography of Ereynetidae.....	227
The Mite Superfamily Paratydeoidea.....	242
The Mite Family Paratydeidae Baker	243
Catalogue of Paratydeidae.....	243
Index of Paratydeidae.....	245
Distribution of Paratydeidae.....	246
Bibliography of Paratydeidae	246
Supercohort Anystides.....	247
Cohort Anystina	247
The Mite Superfamily Anystoidea.....	247
The Mite Families Anystidae Oudemans and Erythracaridae Oudemans	248
Composition of Anystidae and Erythracaridae.....	248
Catalogue of the Families Anystidae and Erythracaridae.....	249
Index of Anystidae and Erythracaridae.....	270
Distribution of Anystidae and Erythracaridae.....	273
Bibliography on Anystidae and Erythracaridae	276
The Mite Family Teneriffiidae Thor	284
Composition of Teneriffiidae.....	285
Catalogue of Teneriffiidae	285
Index of Teneriffiidae	291
Distribution of Teneriffiidae	291
Bibliography on Teneriffiidae.....	293
The Mite Family Pseudocheylidae Oudemans	295
Catalogue of the Family Pseudocheylidae.....	295
Index of Pseudocheylidae.....	299
Distribution of Pseudocheylidae	300
Bibliography of Pseudocheylidae	301
The Mite Family Stigmocheylidae Berlese	302
Catalogue of Stigmocheylidae	302
Index of Stigmocheylidae	303
Distribution of Stigmocheylidae	304
Bibliography of Stigmocheylidae.....	304

The mite Superfamily Caeculoidea	305
The mite family Caeculidae.....	305
Catalogue of Caeculidae.....	306
Index of Caeculidae.....	322
Distribution of Caeculidae	325
Bibliography of Caeculidae	327
The mite Superfamily Adamystoidea.....	333
The mite family Adamystidae	333
Catalogue of Adamystidae.....	333
Index of Adamystidae	338
Distribution of Adamystidae.....	338
Bibliography of Adamystidae.....	339
The mite Superfamily Pomerantzioidea	341
The mite Family Pomerantziidae.....	341
Catalogue of Pomerantziidae	341
Index of Pomerantziidae.....	343
Distribution of Pomerantziidae.....	343
Bibliography of Pomerantziidae	343
The series Acarorum Catalogus – supplementa and corrigenda in the former volumes	344
Second update (2017 – 2021).....	345
Introduction	345
New contributions to the Catalogue:	345
Distribution of Calyptostomatoidea and Erythraeoidea (suppl.)	354
Hosts.....	355
Publications on Calyptostomatoidea and Erythraeoidea.....	358
Update 2011 - 2021 to Vol. II.....	363
Introduction	363
New contributions to the Catalogue:	363
Distribution of Listrophoroidea (suppl.).....	372
Hosts.....	373
Publications on Listrophoroidea	375
Update 2014 - 2021 to Vol. III.....	377
Introduction	377
New contributions to the Catalogue:	377
Distribution of Opilioacarida, Holothyrida, and some Mesostigmata (suppl.)	381

Hosts.....	382
Bibliography of Opilioacarida, Holothyrida, and some Mesostigmata	383
Update 2015 – 2021 to Vol. IV	386
Introduction	386
New contributions to the Catalogue:	387
Distribution of Myobioidea and Pterygosomatoidea	391
Hosts.....	392
Publications on Myobioidea and Pterygosomatoidea	393
Update 2015 - 2021 to Vol. V	396
Introduction	396
New (or omitted) contributions to the Catalogue:	396
Distribution of Sarcoptoidea.....	401
Hosts.....	401
Publications on Sarcoptoidea.....	403
Update 2020 – 2021 to Vol. VI.....	405
Introduction	405
New contributions to the Catalogue:	405
Distribution of Rhinonyssidae and Spinturnicidae	407
Hosts.....	408
Publications on Rhinonyssidae and Spinturnicidae	409
Update 2020 – 2021 to Vol. VII	411
Introduction	411
New contributions to the Catalogue:	411
Distribution of Raphignathoidea (suppl.)	416
Hosts.....	416
Publications on Raphignathoidea	417
Update 2020 - 2021 to Vol. VIII	420
Introduction	420
New contributions to the Catalogue:	420
Distribution of Cheyletoidea and Cloacoidea (suppl.)	421
Hosts.....	422
Publications on Cheyletoidea and Cloacoidea	422
 The series Acarorum Catalogus.....	 424
Acknowledgements	424

Introduction

This is the last volume of the series *Acarorum Catalogus*. We tried to follow the system generally accepted. After the publication of the first volume of the series (*Erytraeioidea*, *Calyptostomatoidea*) in 2008 appeared a comprehensive treatment of mites (Manuel of *Acarology* III of Krantz & Walter, Eds. 2009), in which many changes in the system of *Acari* are proposed. *Acariformes* are already a superorder, *Prostigmata* – suborder, but within the order *Trombidiformes*.

Here is treated first the infraorder *Labidostommatina* with its only superfamily *Labidostommatodea* and the only family *Labidostommatidae* with five genera and 75 species. The other infraorder, treated in the present volume (*Eupodoidea*) includes the superfamily *Eupodoidea* with nine families, including five described after 1979. Treated are also the superfamilies *Tydeoidea* (fam. *Ereynetidae*), *Paratydeoidea* (*Paratydeidae*), *Anystoidea* (five families), *Caeculoidea* (*Caeculidae*), *Adamystoidea* (*Adamystidae*), and *Pomerantziodea* (*Pomerantziidae*). In this volume are analysed 230 genera and 967 species of mites.

Labidostommatidae – 75 sp. (+4 fossils)

Eupodidae and *Cocceupodidae* – 95 sp.

Dendrochaetidae – 1 sp.

Rhagidiidae – 150 sp.

Eriorhynchidae – 5 sp.

Pentapalpidae – 1 sp.

Penthalodidae – 44 sp.

Penthaleidae – 27 sp.

Proterorhagiidae – 1 sp.

Strandtmanniidae – 1 sp.

Ereynetidae – 180 sp.

Paratydeidae – 13 sp.

Anystidae – 102 sp.

Erythracaridae – 68 sp.

Teneriffiidae – 28 sp.

Pseudocheylidae – 23 sp.

Stigmocheylidae – 5 sp.

Caeculidae – 114 sp.

Adamystidae – 28 sp.

Pomerantziidae – 6 sp.

This last volume of the series *Acarorum Catalogus* ends with an update of the former nine volumes. Added to these volumes are another genera and species.

Order Trombidiformes

The recent survey of order Trombidiformes (Zhang, Ed., 2011) defined suborder Prostigmata as containing four infraorders and 40 superfamilies. This volume concerns 20 families of prostigmatid mites, mostly soil and plant inhabitants. Some (Speleognathinae, *Riccardoella*) are parasites of vertebrates and snails.

Infraorder Labidostommata

The Mite Superfamily Labidostommatoidea

Labidostommatoidea Ewing, 1934: 64
Phalanx Stomatostigmata Oudemans, 1906

The superfamily contains only one family (Labidostomatidae) with five genera and 75 species.

The Mite Family Labidostomatidae Oudemans

Nicoletiellidae G. Canestrini, 1891
Labidostomidae Oudemans, 1904
Labidostomatidae Oudemans, 1906

Strongly hitinized free living mites (600 – 1500 µm long), usually yellow and with one large lense-formed organ behind the side eyes. About 75 species, living in moss, leaf litter and other organic materials. Feed on small insects and mites.

The names of the main genus have varied since their description and are used differently even at present by various authors: *Labidostoma*, *Labidostomma*, *Nicoletiella* (as genus or subgenus of *Labidostomma*), Nicoletiellidae, Labidostomidae, Labidostomatidae.

The first species has been described very early (*Acarus denticulatus* Schrank, 1776), but the base of the taxonomy of the family was laid with the descriptions of *Labidostomma* Kramer, 1879 and *Nicoletiella* Canestrini, 1882, than several other authors contributes with more new species and discussions: Stoll, Berlese, Lombardini, Coineau, Ewing, Feider, Greenberg, Meyer & Ryke, Oudemans, Grandjean, Robaux, Sellnick, Shiba, Štorkán, Willmann, Womersley, Iavorschi, and others. Some authors should be mentioned specially. Atyeo & Crossley (1961) described six new species from New Zealand. Revision of the family and several new descriptions are due to the Romanian authors Feider & Vasiliu, including generic/subgeneric taxa (*Grandjeanellina*, *Atyeonella*, *Sellnickiella*, *Dicastrilla*, *Cornutella*, *Mahunkiella*).

The modern treatment of the family has been started by M. Bertrand since 1980 and so far he published (partly with co-authors) 24 new species and the subgenera *Pseudocornutella* and *Pselistoma*.

Composition of fam. Labidostommatidae

Fam. **Labidostommatidae** - 4 gen., 75 recent sp.

Akrostromma Robaux, 1977 - 6 sp.

Eunicolina Berlese, 1911 - 4 sp. (plus one fossil)

Labidostomma Kramer, 1879 - 44 sp

Atyeonella Feider et Vasiliu, 1969 - 8 sp.

Labidostomma Kramer, 1879 - 16 sp.

Nicoletiella Canestrini, 1882 - 17 sp. (plus one fossil)

Cornutella Feider et Vasiliu, 1969 - 2 sp.

Pselistoma Bertrand, 1990 - 1 sp.

Pseudocornutella Sidorchuk et Bertrand, 2013 - 1 sp. (fossil)

Sellnickiella Feider et Vasiliu, 1969 - 20 sp. (plus one fossil)

Dicastricella Feider et Vasiliu, 1970 - 7 sp.

Sellnickiella Feider et Vasiliu, 1969 - 13 sp.

Catalogue of Labidostommatidae

Family **Labidostommatidae** Oudemans

Nicoletiellidae G.Canestrini, 1891: (Type genus: *Nicoletiella* Canestrini, 1882)

Labidostomidae Oudemans, 1904; Bertrand, 1990a: 31

Labidostommatidae Oudemans, 1906

Sellnickiellinae Feider & Vasiliu, 1969: 206

Nicoletiellinae Can.: Feider & Vasiliu, 1969: 204

Eunicolinae Feider & Vasiliu, 1969: 204

Type genus: *Labidostomma* Kramer, 1879

Genus ***Akrostromma*** Robaux

Akrostromma Robaux, 1977: 453

Type species: *Akrostromma grandjeani* Robaux, 1977

Akrostromma coineau Bertrand

Akrostromma coineau Bertrand, 1983: 160

Type locality: Isla de Ons (Provincia Pontevedra)

Distribution: Spain

Akrostromma coralloides Bertrand et Coineau*Akrostromma coralloides* Bertrand & Coineau, 1979: 101

Type locality: Banyuls (valley of Baillaurie, Pouade Road)

Distribution: France

Akrostromma gabriella Crossley et Simmons*Akrostromma gabriella* Crossley & Simmons: 2015: 459Type locality: California, Los Angeles County, San Gabriel Mts., Glendale Ridge Road,
San Dimas Experimental Forest

Distribution: USA (California)

Akrostromma grandjeani Robaux*Akrostromma grandjeani* Robaux, 1977: 453

Type locality: H. Cowell Redwoods State Park (Sta. Cruz Co.), California

Distribution: USA (California)

Akrostromma plumosum (Greenberg)*Labidostomma plumosum* Greenberg, 1952: 201*Labidostoma (Labidostoma) plumosum* Greenberg; Bertrand, 1990a: 36*Akrostromma plumosum* (Greenberg): Crossley & Simmons, 2015: 459

Type locality: Gale's Canyon, Winters, California

Distribution: USA (California)

Akrostromma zangherii Lombardini*Labidostomma zangherii* Lombardini, 1943: 21*Akrostromma zangherii* (Lombardini)(?): Bertrand, 1990a: 35

Type locality: Italy

Distribution: Italy

Genus ***Eunicolina*** Berlese*Eunicolina* Berlese, 1911: 430Type species: *Eunicolina tuberculata* Berlese, 1911. Redescription, Vistorin 1980: 376*Grandjeanellina* Feider & Vasiliu, 1969: 206 - Type species: *Eunicolina nova* Sellnick, 1931;
syn. by Bertrand, 1990a: 35***Eunicolina glaesi*** Bertrand, Sidorchuk et Hoffeins (fossil)*Eunicolina glaesi* Bertrand, Sidorchuk & Hoffeins, 2015: 323

Type locality: Baltic amber

Distribution: Baltic amber (Eocene)

Eunicolina nova Sellnick*Eunicolina nova* Sellnick, 1931: 772; Willmann, 1941: 51; Beron, 1995: 5

Grandjeanellina nova (Sellnick): Feider & Vasiliu, 1969: 206

Type locality: Korfu (Greece)

Distribution: Bulgaria, Croatia, Greece, Romania

Eunicolina porifera Greenberg

Eunicolina porifera Greenberg, 1932: 201; Feider & Vasiliu, 1969: 206; Bertrand, 1990a: 35

Type locality: Cape Henry, Virginia

Distribution: USA

Eunicolina travei Coineau

Eunicolina travei Coineau, 1964: 153; Feider & Vasiliu, 1969: 206; Bertrand, 1990a: 35

Type locality: Saint-Paul d'Eygeaux (Haute-Vienne), France

Distribution: France

Eunicolina tuberculata Berlese

Eunicolina tuberculata Berlese, 1911: 430; Feider & Vasiliu, 1969: 206; Vistorin, 1978a: 279; Bertrand, 1990a: 35

Type locality: "in agro Tridentino", Tiarno (Italy)

Distribution: Croatia, Italy

Genus ***Labidostomma*** Kramer

Labidostomma Kramer, 1879: 13

Labidostoma Michael, 1880:

Labidostoma Bertrand, 1990a: 36

Panoplia von Heyden, 1826

Type species: *Acarus denticulatus* Schrank, 1776

Ceratoacarus Ewing, 1913: 128

Type species: *Ceratoacarus pacificus* Ewing, 1913

Subgenus ***Atyeonella*** Feider et Vasiliu

Atyeonella Feider & Vasiliu, 1969: 205 (genus)

Labidostoma (*Atyeonella*): Bertrand, 1990a: 36 (subgenus)

Type species: *Labidostoma fictiluteum* Atyeo et Crossley, 1961

Labidostomma (Atyeonella) fictiluteum Atyeo et Crossley

Labidostoma fictiluteum Atyeo & Crossley, 1961b: 40

Atyeonella fictiluteum (Atyeo et Crossley): Feider & Vasiliu, 1969: 206

Labidostoma (Atyeonella) fictiluteum Atyeo & Crossley: Bertrand, 1990a: 36

Type locality: Ngongotaha, Rotorua, Auckland

Distribution: New Zealand

Labidostomma (Ateyonella) glandula Atyeo et Crossley*Labidostoma glandula* Atyeo & Crossley, 1961b: 44*Ateyonella fictiluteum* (Atyeo et Crossley): Feider & Vasiliu, 1969: 206*Labidostoma (Ateyonella) glandula* Atyeo et Crossley: Bertrand, 1990a: 36

Type locality: Ngongotaha, Rotorua, Auckland

Distribution: New Zealand

Labidostomma (Ateyonella) malleolus Atyeo et Crossley*Labidostoma malleolus* Atyeo & Crossley, 1961b: 37*Ateyonella malleolus* (Atyeo et Crossley): Feider & Vasiliu, 1969: 206*Labidostoma (Ateyonella) malleolus* Atyeo et Crossley: Bertrand, 1990a: 36

Type locality: Kapiti Island, Wellington

Distribution: New Zealand

Labidostomma (Ateyonella) multifarium Atyeo et Crossley*Labidostoma multifarium* Atyeo & Crossley, 1961b: 33*Ateyonella multifarium* (Atyeo et Crossley): Feider & Vasiliu, 1969: 206*Labidostoma (Ateyonella) multifarium* (Atyeo et Crossley): Bertrand, 1990a: 36

Type locality: Orepuke, Southland

Distribution: New Zealand

Labidostomma (Ateyonella) ocellatum Atyeo et Crossley*Labidostoma ocellatum* Atyeo & Crossley, 1961b: 42*Ateyonella ocellatum* (Atyeo et Crossley): Feider & Vasiliu, 1969: 206*Labidostoma (Ateyonella) ocellatum* Atyeo & Crossley: Bertrand, 1990a: 36

Type locality: Coromandel Peninsula, Auckland

Distribution: New Zealand

Labidostomma (Ateyonella) peruviana Bertrand*Labidostoma (Ateyonella) peruviana* Bertrand, 1990c: 182

Type locality: Sierra Garavito, Prov. de Cusco

Distribution: Peru

Labidostomma (Ateyonella) simplex (Shiba)*Ateyonella simplex* Shiba, 1972: 48*Labidostoma (Ateyonella) simplex* (Shiba): Bertrand, 1990a: 36

Type locality: Hokkaido, Poroshiri-sanso at the foot of Mt. Poroshiri Hadaka

Distribution: Japan (Hokkaido)

Labidostomma (Atyeonella) striatum Atyeo et Crossley

Labidostoma striatum Atyeo & Crossley, 1961b: 46

Atyeonella striatum (Atyeo et Crossley): Feider & Vasiliu, 1969: 206

Labidostoma (Atyeonella) striatum Atyeo et Crossley: Bertrand, 1990a: 36

Type locality: Takahe Valley, Te Anau, Otago

Distribution: New Zealand

Subgenus ***Labidostomma*** Kramer

Labidostomma Kramer, 1879: 13

Labidostoma Michael, 1888

Type species: *Acarus denticulatus* Schrank, 1776 (= *Labidostomma luteum* Kramer, 1879
- Redescription, Lehtinen & Niemi 1995: 217)

Labidostomma (Labidostomma) aethiopica Meyer et Ryke

Labidostoma (Labidostoma) aethiopica Meyer & Ryke, 1959: 417; Bertrand, 1990a: 36;
Bertrand & Theron, 1990: 248

Type locality: South Africa, Bathurst

Distribution: South Africa

Labidostomma (Labidostomma) amasonica Feider, Vasiliu et Calugar

Labidostomma amasonica Feider, Vasiliu & Calugar, 1974: 424

Labidostoma (Labidostoma) amasonica Feider, Vasiliu et Calugar: Bertrand, 1990a: 36

Type locality: Brazil [Amazonia]

Distribution: Brazil

Labidostomma (Labidostomma) angolensis Bertrand et Theron

Labidostoma (Labidostoma) angolensis Bertrand & Theron, 1990a: 248

Type locality: Luachine, Luangue, Tchitentga

Distribution: Angola

Labidostomma (Labidostomma) barbae Greenberg

Labidostomma barbae Greenberg, 1952: 198

Labidostoma (Labidostoma) barbae Greenberg: Bertand, 1990a: 36

Type locality: 3 mi southeast of Thomasville, Thomas County, Georgia

Distribution: USA (Georgia)

Labidostomma (Labidostomma) fissurata Bertrand et Theron

Labidostoma (Labidostoma) fissurata Bertrand & Theron, 1990a: 248

Type locality: Potchefstroom

Distribution: South Africa

Labidostomma (Labidostomma) guadalupense Bertrand et Corpuz-Raros*Labidostomma guadalupense* Bertrand & Corpuz-Raros, 1997: 363

Type locality: Leyte, Guadalupe

Distribution: Philippines

Labidostomma (Labidostomma) integrum Berlese*Labidostoma integrum* (Berlese): Berlese, 1911: 429; 1913: 138; Costa, 1961: 259*Labidostoma (Labidostoma) integrum* (Berlese): Bertrand, 1990a: 36; Bertrand et al., 2012: 235*Labidostomma integrum*: Thor, 1931: 73; Feider & Vasiliu, 1970: 371

Type locality: Umbria (Italy)

Distribution: France (incl. Corsica), Israel, Italy (incl. Sardinia), Kazakhstan, Romania, Spain

Labidostomma (Labidostomma) integrum Berlese*Labidostomma integrum*: Thor, 1931: 73; Feider & Vasiliu, 1970: 371; Bloszyk et al., 2003: 173.*Labidostomma (L.) caucasicum* Reck, 1940: 452; Feider & Vasiliu, 1969: 205 and Bloszyk et al., 2003: 173 consider this species as synonym of *L. integrum*

Type locality: D.R.Congo

Distribution: D.R.Congo

Labidostomma (Labidostomma) intermedia Bertrand, Bagheri, Akbari, Yazdanian, Irani-Nejad, Mohajer et Saboori*Labidostoma (Labidostoma) intermedia* Bertrand, Bagheri, Akbari, Yazdanian, Irani-Nejad, Mohajer et Saboori, 2012: 237; Jalaieian, Kamali & Bertrand, 2013: 16

Type locality: Golestan province, Gorgan

Distribution: Iran

Labidostomma (Labidostomma) mirax Bertrand et Theron*Labidostoma (Labidostoma) mirax* Bertrand & Theron, 1990a: 255

Type locality: Tsitsikama, Cape Province

Distribution: South Africa

Labidostomma (Labidostomma) motasi Iavorschi*Labidostomma motasi* Iavorschi, 1992: 47

Type locality: cave Peștera de la Movile, Dobroudja

Distribution: Romania

Labidostomma (Labidostomma) himalayensis Bhattacharyya*Labidostomma himalayensis* Bhattacharyya, 1966: 46

Type locality: Rohla Valley

Distribution: NW Himalaya (India)

***Labidostomma (Labidostomma) neotropica* Stoll**

Labidostoma (Labidostoma) neotropica Stoll, 1891: 9; 1993: 27; Bertrand, 1990a: 36

Type locality: Retalhuleu

Distribution: Guatemala

***Labidostomma (Labidostomma) nepalense* Feider et Vasiliu**

Labidostomma nepalense Feider & Vasiliu, 1968a: 630

Labidostoma (Labidostoma) nepalense Feider & Vasiliu: Bertrand, 1990a: 36

Type locality: Nepal, 27°19' N, 87°31'E

Distribution: Nepal

***Labidostomma (Labidostomma) percilliata* Bertrand et Theron**

Labidostoma (Labidostoma) percilliata Bertrand & Theron, 1990a: 248

Type locality: Luachine, Luangue, Tchitentga

Distribution: Angola

Subgenus ***Nicoletiella*** Canestrini

Nicoletiella Canestrini, 1882: 65

Type species: *Nicoletia cornuta* G. Canstrini et Fanzago, 1877

***Labidostomma (Nicoletiella) asiatica* (Feider et Vasiliu)**

Mahunkiella asiatica Feider & Vasiliu, 1972: 382

Labidostoma (Nicoletiella) asiatica Feider & Vasiliu: Bertrand, 1990a: 36

Type locality: Prov. South Phenan, Bong ha ri

Distribution: North Korea

***Labidostomma (Nicoletiella) caloderum* Greenberg**

Labidostomma caloderum Greenberg, 1952: 197

Labidostoma (Nicoletiella) caloderum Greenberg: Bertrand, 1990a: 36

Type locality: Univ. of Kansas Natural History Reservation, Douglas County, Kansas

Distribution: USA (Kansas)

***Labidostomma (Nicoletiella) coreana* (Feider et Vasiliu)**

Mahunkiella coreana Feider & Vasiliu, 1972: 380

Labidostoma (Nicoletiella) coreana (Feider et Vasiliu): Bertrand, 1990a: 36

Type locality: Prov. Kanwon, Kum-gang san

Distribution: N. Korea

***Labidostomma (Nicoletiella) corsicum* Bertrand**

Labidostoma (Nicoletiella) corsicum Bertrand, 1981: 36

Type locality: Corsica

Distribution: France (Corsica)

***Labidostomma (Nicoletiella) denticulatum* (Schrank)**

Acarus denticulatus Schrank, 1776: 125; 1781: 520

Labidostoma denticulatum: Oudemans, 1904: 132; 1916: 250; Kontschán, 2008: 361

Labidostoma (Nicoletiella) denticula [sic](Schrank): Bertrand, 1990a: 36

Labidostoma (Nicoletiella) denticulata (Schrank): Vistorin, 1978a: 279; Bertrand et al., 2015: 331

Nicoletiella denticulata (Schrank): Sellnick, 1940: 31; Willmann, 1951: 143; 1955: 217;

Franz, 1954: 363; Mihelčič, 1958b: 274

Nicoletiella (Cornutella) denticulata (Schrank): Bloszyk, 1980: 72

Nicoletiella lyra Willmann, 1932: 160; 1934: 50; 1939: 433; 1941: 47; 1955: 217; Dudich,

Kolosvary & Szalay, 1940: 53; Bloszyk et al., 2003: 172. Type loc.: Postoina (Slovenia).

Nicoletiella corcyraea Berlese, 1911 (Corfu)

Labidostomma (Nicoletiella) denticulatum (Schrank): Újváry & Kontschán, 2010; Pfliegler

& Bertrand, 2011: 178

Type locality: Austria

Distribution: Austria, Germany, Hungary, Island, Italy, Poland, Spain, Slovenia

***Labidostomma (Nicoletiella) fergusonii* (Robaux)**

Nicoletiella fergusonii Robaux, 1977: 443

Labidostoma (Nicoletiella) fergusonii (Robaux): Bertrand, 1990a: 36

Type locality: Mount Madona (Ridge Road)(Sta. Clara Co.), California

Distribution: USA (California)

***Labidostomma (Nicoletiella) franzi* Bertrand**

Labidostomma franzi Bertrand, 1983: 163

Labidostoma (Nicoletiella) franzi Bertrand: Bertrand, 1990a: 36

Type locality: Galicia, La Ramosa

Distribution: Spain

***Labidostomma (Nicoletiella) glymma* Grandjean**

Labidostomma glymma Grandjean, 1942: 119

Labidostoma (Nicoletiella) glymma Bertrand, 1990a: 36

Type locality: France

Distribution: France (cont. and Corsica),

***Labidostoma (Nicoletiella) luteoides* Bertrand**

Nicoletiella (Nicoletiella) luteoides Bertrand, 1990c: 181

Type locality: Osorno (40°34'S, 73°09'W)

Distribution: Chile

***Labidostomma (Nicoletiella) luteum* Kramer**

Labidostomma luteum Kramer, 1879: 13; Thor, 1931: 72; Cooreman, 1943: 2; 1959: 17; Franz, 1954: 363; Bottazzi, 1950; Schweizer & Bader, 1963: 247; Lehtinen & Niemi, 1995: 211

Labidostoma luteum Kramer: Mihelčič, 1958a: 40; 1958b: 273; Hallas, 1978: 31; Schmölzer, 1993: 58

Nicoletiella (Nicoletiella) luteum (Kramer): Vistorin, 1978: 272; Bloszyk et al., 2003: 171

Labidostoma (Nicoletiella) luteum Kramer: Bertrand, 1990a: 36

Labidostomma (Nicoletiella) luteum elongatum Grandjean, 1942: 189 (Périgueux, France).

Listed by Bertrand (1990: 37) as species.

Nicoletiella vej dovskyi Štorkán, 1938 – syn. by Lehtinen & Niemi, 1995

Type locality: Germany

Distribution: Austria, Belgium, Denmark, England, Finland, France, Germany, Holland, Ireland, Italy, Sicily, Poland, Spain, Sweden, Switzerland

***Labidostomma (Nicoletiella) multisetosa* Shiba**

Labidostoma multisetosa Shiba, 1969: 85

Labidostoma (Nicoletiella) multisetosa Shiba: Bertrand, 1990a: 36

Type locality: Shiga Heights IBP Area

Distribution: Japan

***Labidostomma (Nicoletiella) pacifica* (Ewing)**

Ceratoacarus pacificus Ewing, 1913: 127

Nicoletiella pacifica (Ewing): Thor, 1931: 76

Labidostoma (Nicoletiella) pacifica (Ewing): Bertrand, 1990a: 36

Type locality: Oregon

Distribution: USA

***Labidostomma (Nicoletiella) paleoluteum* Dunlop et Bertrand (fossil)**

Labidostoma (Nicoletiella) paleoluteum Dunlop & Bertrand, 2011: 193

Type locality: Baltic amber (loc. idet.), Palaeogene (Eocene)

Distribution: Baltic area

***Labidostomma (Nicoletiella) repetitor* Grandjean**

Labidostomma luteum repetitor Grandjean, 1942: 122

Labidostomma repetitor: Lehtinen & Niemi, 1995: 220

Labidostoma (Nicoletiella) repetitor Bertrand, 1990a: 36

Labidostoma Jacquemarti Coineau, 1964: 543 – Syn. by Lehtinen & Niemi, 1995 (Type: Banyuls-sur-Mer, France)

Labidostoma (Nicoletiella) jacquemarti Coineau: Bertrand, 1990a: 36

Type locality: France

Distribution: France

Labidostomma (Nicoletiella) romanica (Feider et Vasiliu)

Nicoletiella romanica Feider & Vasiliu, 1968: 31

Labidostoma (Nicoletiella) romanica (Feider & Vasiliu): Bertrand, 1990a: 36

Type locality: the regions of Jassy, Suceava, Ploiesti, Banat, 200 – 800 m

Distribution: Romania

Labidostomma (Nicoletiella) spelaeophila (Willmann)

Nicoletiella spelaeophila Willmann, 1940: 209; Feider & Vasiliu, 1969: 205 consider “*Nicoletiella speleofila* [sic]” and “*N. carpaticum*” to be synonymes of “*N. (C.) cornutum*”.

L. spelaeophila (Willmann, 1940) – Cooreman, 1951: 10

Type locality: «Carniolia, Höhle bei Radna»

Distribution: Romania, Slovenia

Labidostomma (Nicoletiella) vialeae Bertrand

Labidostomma vialeae Bertrand, 1981: 28

Labidostoma (Nicoletiella) vialeae Bertrand: Bertrand, 1990a: 36

Type locality: Galeria (Corsica)

Distribution: France (Corsica)

Labidostomma virescens (Targioni Tozzetti)

Caligonas virescens Targioni Tozzetti, 1886

Labidostomma virescens (Targioni Tozzetti)

Type locality: Italy

Distribution: Italy

Subgenus ***Cornutella*** Feider et Vasiliu

Nicoletiella (Cornutella) Feider & Vasiliu, 1969: 205

Type species: *Nicoletia cornutum* Canestrini et Fanzago, 1877

Mahunkiella Feider & Vasiliu, 1972: 375, synonymized by Bertrand et al., 2012: 242

Labidostomma (Cornutella) cornutum (Canestrini et Fanzago)

Nicoletia cornutum Canestrini & Fanzago, 1877: 120

Nicoletiella cornuta (Canestrini et Fanzago): R. Canestrini, 1882: 65; Vistorin, 1978a: 272

Labidostomma cornuta (Canestrini & Fanzago): Cooreman, 1954: 11; 1959: 16

Nicoletiella (Cornutella) cornuta (Canestrini et Fanzago): Feider & Vasiliu, 1970: 371

Labidostomma (Nicoletiella) cornuta (Canestrini et Fanzago): Beron, 1995: 5

Nicoletiella (Cornutella) cornutum (Canestrini et Fanzago): Pfliegler & Bertrand, 2011: 178

Type locality:

Distribution: Algeria, Austria, Bulgaria, Croatia, France, Hungary, Poland, Romania, Slovenia

Labidostomma (Cornutella) ezoensis (Shiba)

Nicoletiella (Cornutella) ezoensis Shiba, 1972: 46

Type locality: Hokkaido, Kita Cirque, Mt. Poroshiri, Hidaka

Distribution: Japan (Hokkaido)

Labidostomma (Cornutella) multisetosa Shiba

Labidostoma multisetosa Shiba, 1969: 86

Mahunkiella multisetosa (Shiba): Feider et Vasiliu, 1972: 377

Labidostomma (Cornutella) multisetosa: Bertrand et al., 2012: 234, 242

Type locality: Shiga Heights (Japan)

Distribution: Japan, North Korea

The species *Labidostoma corcyraeum* Berlese, 1911 from “Corcyra”(Corfu) and *Nicoletiella (Cornutella) absoloni* Willmann, 1932 () are listed by Feider & Vasiliu, 1969, but not in the revision of Bertrand, 1990.

Subgenus ***Pseudocornutella*** Sidorchuk et Bertrand

Pseudocornutella Sidorchuk & Bertrand, 2013: 31

Type species: *Labidostomma (Pseudocornutella) electri* Sidorchuk et Bertrand, 2013

Labidostomma (Pseudocornutella) electri Sidorchuk et Bertrand

Labidostoma (Pseudocornutella) electri Sidorchuk & Bertrand, 2013: 31 (fossil)

Type locality: Baltic Amber

Distribution: Baltic Amber

Subgenus ***Pselistoma*** Bertrand

Pselistoma Bertrand, 1990: 183

Type species: *Labidostomma (Pselistoma) legendrei* Bertrand, 1990

Labidostomma (Pselistoma) legendrei Bertrand

Labidostomma (Pselistoma) legendrei Bertrand, 1990c: 183

Type locality: Osorno region

Distribution: Chile

Genus ***Sellnickiella*** Feider et Vasiliu

Sellnickiella Feider & Vasiliu, 1969: 206

Type species: *Labidostoma brasiliense* Sellnick, 1922

Subgenus ***Dicastrrella*** Feider et Vasiliu

Dicastrrella Feider & Vasiliu, 1970a: 283 (genus)

Sellnickrella (*Dicastrrella*): Bertrand, 1990a: 35 (subgenus)

Type species: *Dicastrrella covarubiasi* Feider et Vasiliu, 1970

Sellnickrella (Dicastrrella) caeca (Feider, Vasiliu et Calugar)

Dicastrrella caeca Feider, Vasiliu & Calugar, 1974: 420

Sellnickrella (Dicastrrella) caeca (Feider, Vasiliu et Calugar): Bertrand, 1990c: 35

Type locality: Misitumi (reg. Tarapaca)

Distribution: Chile

Sellnickrella (Dicastrrella) coineau (Feider et Vasiliu)

Dicastrrella coineau Feider & Vasiliu, 1970a: 303; Feider, Vasiliu & Calugar, 1974: 422

Sellnickrella (Dicastrrella) coineau (Feider et Vasiliu): Bertrand, 1990c: 35

Type locality: Polpaico (Santiago)

Distribution: Chile

Sellnickrella (Dicastrrella) covarubiasi (Feider et Vasiliu)

Dicastrrella covarubiasi Feider & Vasiliu, 1970a: 297; Feider, Vasiliu & Calugar, 1974: 423

Sellnickrella (Dicastrrella) covarubiasi (Feider et Vasiliu): Bertrand, 1990c: 35

Type locality: Limpache (Valparaiso)

Distribution: Chile

Sellnickrella (Dicastrrella) fungifera (Feider et Vasiliu)

Dicastrrella fungifera Feider & Vasiliu, 1970a: 306

Sellnickrella (Dicastrrella) fungifera (Feider et Vasiliu): Bertrand, 1990c: 35

Type locality: Limache (Valparaiso)

Distribution: Chile

Sellnickrella (Dicastrrella) fusiformis Bertrand

Labidostomma (Dicastrrella) fusiformis Bertrand, 1990c: 179

Type locality: Osorno (40°34'S, 73°09'W)

Distribution: Chile

Sellnickrella (Dicastrrella) mediohexagonata (Feider, Vasiliu et Calugar)

Dicastrrella mediohexagonata Feider, Vasiliu & Calugar, 1974: 419

Sellnickrella (Dicastrrella) mediohexagonata (Feider, Vasiliu et Calugar): Bertrand, 1990c: 35

Type locality: Farellones (Prov. Santiago)

Distribution: Chile

Subgenus ***Sellnickrella*** Feider et Vasiliu

Sellnickrella Feider & Vasiliu, 1969: 206

Type species: *Labidostoma brasiliense* Sellnick, 1922

***Sellnickiella (Sellnickiella) adelaideae* (Womersley)**

Labidostomma adelaideae Womersley, 1935: 152; Atyeo & Crossley, 1961b: 83

Sellnickiella (Sellnickiella) adelaidae (Womersley): Bertrand, 1990a: 35

Sellnickiella adelaideae (Womersley): Halliday, 1998: 66

Type locality: Adelaide

Distribution: Australia

***Sellnickiella (Sellnickiella) brasiliense* (Sellnick)**

Labidostoma brasiliense Sellnick, 1922: 45

Sellnickiella brasiliense (Sellnick): Feider & Vasiliu, 1969: 206; 1970: 289

Sellnickiella (Sellnickiella) brasiliensis (Sellnick): Bertrand, 1990a: 35

Type locality: Passa Quatro, Sul de Minas

Distribution: Brazil

***Sellnickiella (Sellnickiella) capensis* Bertrand et Theron**

Sellnickiella (Sellnickiella) capensis Bertrand & Theron, 1992: 46

Type locality: Hawaquis Montains nr. Paarl, Cape Province

Distribution: South Africa

***Sellnickiella (Sellnickiella) circinus* (Atyeo et Crossley)**

Labidostoma circinus Atyeo & Crossley, 1961b: 35

Sellnickiella (Sellnickiella) circinus (Atyeo et Crossley): Bertrand, 1990a: 36

Type locality: Ngongotaha, Rotorua, Auckland

Distribution: New Zealand

***Sellnickiella (Sellnickiella) decemlabeculata* Feider et Vasiliu**

Sellnickiella decemlabeculata Feider & Vasiliu, 1970: 297; Feider, Vasiliu & Calugar, 1974: 418

Sellnickiella (Sellnickiella) decemlabeculata: Bertrand, 1990c: 35

Type locality: Brazil, Nova Teutonia

Distribution: Brazil, Chile

***Sellnickiella (Sellnickiella) hoegi* (Thor)**

Labidostoma hoegi Thor, 1931a: 57

Labidostomma hoegi Thor, 1931b: 73; Meyer & Ryke, 1959: 419

Sellnickiella (Sellnickiella) hoegi (Thor): Bertrand, 1990a: 35

Type locality: Port Elizabeth

Distribution: South Africa

Sellnickiella (Sellnickiella) macroscopa Bertrand*Sellnickiella (Sellnickiella) macroscopa* Bertrand, 1990c: 179

Type locality: Cantin (39°22' S, 72°38'W)

Distribution: Chile

Sellnickiella (Sellnickiella) mediumreticulata Feider et Vasiliu*Sellnickiella mediumreticulata* Feider & Vasiliu, 1970a: 289; Feider, Vasiliu & Calugar, 1974: 417

Type locality: Nova Teutonia

Distribution: Brazil

Sellnickiella (Sellnickiella) natalensis Bertrand et Theron*Sellnickiella (Sellnickiella) natalensis* Bertrand & Theron, 1992: 48

Type locality: St. Lucia (Natal)

Distribution: South Africa

Sellnickiella (Sellnickiella) pulchra Bertrand*Sellnickiella (Sellnickiella) pulchra* Bertrand, 1990c: 178

Type locality: Floresta de Tijuca, reg. of Rio de Janeiro

Distribution: Brazil

Sellnickiella (Sellnickiella) schusteri Feider, Vasiliu et Calugar*Sellnickiella schusteri* Feider, Vasiliu & Calugar, 1974: 414*Sellnickiella (Sellnickiella) schusteri* Feider, Vasiliu et Calugar: Bertrand, 1990a: 35

Type locality: Serra de Cantareira (Sao Paulo)

Distribution: Brazil

Sellnickiella (Sellnickiella) womersleyi (Atyeo et Crossley)*Labidostomma womersleyi* Atyeo & Crossley, 1961a: 84

Type locality: Remarkable Creek, Wilmington, South Australia

Distribution: Australia

Sellnickiella (Subgen.?) ***balticae*** Sidorchuk et Bertrand (fossil)*Sellnickiella balticae* Sidorchuk & Bertrand, 2013: 27

Type locality: Baltic Amber

Distribution: Baltic Amber

Index of Labidostommatidae

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

- absoloni*, *Nicoletiella* (*Cornutella*) 22
absoloni, *Labidostomma* 22
acuticornis, *Nicoletiella absoloni* 22
adelaideae, *Labidostomma* 24
adelaidae, *Sellnickiella* 24
***adelaideae*, *Sellnickiella* 24**
***aethiopica*, *Labidostomma* 16**
***Akrostromma* 12**
***amasonica*, *Labidostomma* 16**
***angolensis*, *Labidostomma* 16**
***asiatica*, *Labidostomma* 18**
asiatica, *Mahunkiella* 18
***Atyeonella* 14**
***balticae*, *Sellnickiella* 26**
***barbae*, *Labidostomma* 16**
barbae, *Labidostoma* 16
***biunguiculata*, *Sellnickiella* 23**
brasiliense, *Labidostoma* 24
***brasiliense*, *Sellnickiella* 24**
caeca, *Dicastriella* 23
***caeca*, *Sellnickiella* 23**
***caloderum*, *Labidostomma* 18**
***capensis*, *Sellnickiella* (S.) 25**
carpatica, *Nicoletiella* (*Cornutella*) 21
carpaticum, *Nicoletiella* 21
caucasicum, *Labidostomma* 17
cavernicola, *Nicoletiella* (*Cornutella*)
Ceratoacarus 14
circinus, *Labidostomma* 24
***circinus*, *Sellnickiella* 24**
***coineau*, *Akrostromma* 12**
coineau, *Dicastriella* 23
***coineau*, *Sellnickiella* 23**
colomerense, *Labidostoma*
***coralloides*, *Akrostromma* 13**
corcyraeum, *Labidostoma* 22
corcyreum, *Nicoletiella* 22
***coreana*, *Labidostomma* 19**
coreana, *Mahunkiella* 18
cornuta, *Nicoletiella* (*Cornutella*) 22
cornuta, *Labidostomma* 22
cornuta, *Nicotetia* 22
cornuta, *Nicoletiella* 22
***Cornutella* 22**
***cornutum*, *Labidostomma* (*Cornutella*) 22**
cornutum, *Nicoletiella* (*Cornutella*) 22
coronata, *Nicoletiella absoloni* 22
***corsicum*, *Labidostomma* 18**
covarubiasi, *Dicastriella* 23
***covarubiasi*, *Sellnickiella* 23**
***decemlabeculata*, *Sellnickiella* 25**
***denticulatum*, *Labidostomma* 19**
denticulatum, *Labidostoma* 19
denticulatum, *Nicoletiella* (*Cornutella*) 19
denticulatus, *Acarus* 19
***Dicastriella* 23**
***electri*, *Labidostoma* (*Pseudocornutella*)**
(fossil) 23
elongatum, *Labidostomma luteum* 20
***Eunicolina* 13**
Eunicolinae 12
ezoensis, *Nicoletiella* (*Cornutella*) 22
***ezoensis*, *Labidostomma* (*Cornutella*) 22**
***fergusoni*, *Labidostomma* 19**
fergusoni, *Nicoletiella* 19
***fictiluteum*, *Atyeonella* 14**
fictiluteum, *Labidostomma* (*Ateyonella*) 14
***fissurata*, *Labidostomma* 17**
***franzi*, *Labidostomma* 19**
fungifera, *Dicastriella* 26
***fungifera*, *Sellnickiella* 26**
***fusiformis*, *Selnickiella* (*Dicastriella*) 24**
***gabriella*, *Akrostromma* 13**
***glaesii*, *Eunicolina* 13**

- glandula*, *Atyeonella* 16
glandula, *Labidostoma* 16
glymma, *Labidostoma* 20
Grandjeanellina 13
grandjeani, *Akrostromma* 13
guadalupense, *Labidostomma* 17
himalayensis, *Labidostomma* 18
hoegi, *Labidostoma* 24
hoegi, *Labidostomma* 24
hoegi, *Sellnickiella* 24
integrum, *Labidostomma* 17
integrum, *Labidostoma* 17
intermedia, *Labidostoma* 17
intermedia, *Labidostomma* 17
Jacquemarti, *Labidostoma* 21
jacquemarti, *Labidostoma* (*Nicoletiella*) 21
Labidostoma 14
Labidostomidae 11
Labidostomma 14
Labidostommatidae 12
Labidostommatina 11
Labidostommatoidea 11
Labidostommidae 12
legendrei, *Labidostomma* (*Pselistoma*) 22
longipes, *Labidostomma* 22
luteoides, *Labidostomma* 20
luteum, *Labidostoma* 20
luteum, *Labidostomma* 20
luteum, *Nicoletiella* 20
lyra, *Labidostomma* 20
lyra, *Nicoletiella* 20
macroscopa, *Sellnickiella* 25
Mahunkiella 23
malleolus, *Atyeonella* 15
malleolus, *Labidostomma* 15
mediohexagonata, *Dicastricella* 24
mediohexagonata, *Sellnickiella* (*Dicastricella*) 24
mediumreticulata, *Sellnickiella* 25
mirax, *Labidostomma* 17
motasi, *Labidostomma* 17
multifarum, *Atyeonella* 15
multifarum, *Labidostomma* (*Atyeonella*) 15
multisetosa, *Labidostomma* (*Cornutella*) 22
multisetosa, *Mahunkiella* 22
natalensis, *Sellnickiella* (*S.*) 25
neotropica, *Labidostomma* 18
nepalense, *Labidostoma* 18
nepalense, *Labidostomma* 18
Nicoletiellidae 12
Nicoletiellinae 12
nova, *Eunicolina* 14
nova, *Grandjeanellina* 14
ocellatum, *Atyeonella* 15
ocellatum, *Labidostomma* 15
pacifica, *Labidostomma* 20
pacifica, *Labidostoma* (*Nicoletiella*) 20
pacifica, *Nicoletiella* 20
pacificus, *Ceratoacarus* 20
paleoluteum, *Labidostomma* 21 (fossil)
Panoplia 14
perciliata, *Labidostomma* 18
peruviana, *Labidostoma* 15
peruviana, *Labidostomma* 15
plumosum, *Akrostromma* 13
plumosum, *Labidostoma* 13
plumosum, *Labidostomma* 13
porifera, *Eunicolina* 14
Pselistoma 22
Pseudocornutella 22 (fossil)
pulchra, *Sellnickiella* 25
repetitor, *Labidostomma* 21
romanica, *Labidostomma* 21
romanica, *Nicoletiella* 21
schoutedeni, *Labidostomma integrum* 17
schusteri, *Sellnickiella* 25
Sellnickiella 22
Sellnickiellinae 12
simplex, *Atyeonella* 15
simplex, *Labidostomma* (*Atyeonella*) 15
simplex, *Labidostoma* (*Atyeonella*) 15
spelaeophila, *Labidostomma* 21
spelaeophila, *Nicoletiella* 21
striatum, *Atyeonella* 16

striatum, *Labidostomma* 16

travei, *Eunicolina* 14

tuberculata, *Eunicolina* 14

vejovskyi, *Nicoletiella* 20

vialeae, *Labidostomma* 21

vialeae, *Labidostoma* (*Nicoletiella*) 21

virescens, *Labidostomma* 21

womersleyi, *Labidostomma* 25

womersleyi, *Sellnickiella* 25

zangherii, *Labidostomma* (sp. dubia) 13

zangherii, *Akrostomma* 13

Distribution of Labidostommatidae

EUROPE

Austria (Schränk, 1781; Willmann, 1939, 1951; Franz, 1954; Vistorin, 1978; Schmölzer, 1993) – *Labidostomma cornuta*, *L. denticulatum*, *L. luteum*, *L. lyra*

Bulgaria (Beron, 1995) – *Eunicolina nova*, *Labidostomma* (*Cornutella*) *cornutum*

Croatia (Willmann, 1940, 1941; Vistorin, 1978a) – *Eunicolina tuberculata*, *Labidostomma* (*Cornutella*) *cornutum*

Czech Rep. (Willmann, 1939)

Denmark (Luxton, 1966, 1981; Hallas, 1978) – *Labidostomma luteum*

Finland (Lehtinen & Niemi, 1995) – *Labidostomma* (*L.*) *luteum*

France (contin.) (Cooreman, 1954, 1959; Coineau, 1964a, 1964b; Bertrand, 1980; Bertrand & Coineau, 1979) – *Akrostomma coralloides*, *Labidostomma* (*Cornutella*) *cornutum*, *Labidostomma* (*Nicoletiella*) *repetitor* (= *L. (Nicoletiella) jacquemarti*), *L. (N.) luteum*, *Labidostomma* (*L.*) *integrum*

Corsica (Bertrand, 1981; Bertrand et al., 2012) – *Labidostomma* (*Nicoletiella*) *corsicum*, *L. (N.) glymma*, *L. (N.) vialeae*, *Labidostomma* (*L.*) *integrum*

Georgia (Reck, 1940) – *Labidostomma caucasicum* (= *L. integrum*)

Germany (C.L.Koch, 1838; Oudemans, 1916; Willmann, 1955; Vistorin, 1978a) – *Labidostomma denticulatum*, *L. luteum*, *L. lyra*

Great Britain (Michael, 1880) – *Labidostomma luteum*

Corfu (Berlese, 1911; Sellnick, 1931) – “*Labidostoma corcyraeum*” (= *L. denticulatum*), *Eunicolina nova*

Hungary (Willmann, 1937; Dudich, Kolosváry & Szalay, 1940; Újváry & Kontschán, 2010; Pfliegler & Bertrand, 2011) – *Labidostomma denticulata*, *L. lyra*, *L. (Cornutella) cornutum*

Iceland (Sellnick, 1940) – *Labidostomma denticulata* (actually *L. luteum*, see Lehtinen & Niemi, 1995)

Ireland (Halbert, 1915) – *Nicoletiella cornuta* (actually *L. luteum*, see Lehtinen & Niemi, 1995)

Italy (contin.) (Berlese, 1887; 1911; Lombardini, 1943; Bottazzi, 1956; Vistorin, 1978a) – *Akrostomma zangherii* (sp. dubia), *Eunicolina tuberculata*, *Labidostomma denticulatum*, *L. integrum*, *L. luteum*

Sicily (Berlese, 1883; Bottazzi, 1956) – *Labidostomma luteum*

Sardinia (Bertrand et al., 2012) – *Labidostomma repetitor*, *L. (L.) integrum*

- Poland** (Błoszyk, 1980; Błoszyk & Czarnota, 1998; Błoszyk, Konwerski, Napierala, Goldyn & Gawronska, 2007; Błoszyk et al., 2017; Błoszyk, Adamski & Napierała, 2018) – *Labidostomma* (*Nicoletiella*) *denticulatum*, *L. (N.) luteum*, *L. (Cornutella)* *cornutum*
- Romania** (Cooreman, 1951; Feider & Vasiliu, 1968, 1970; Iavorschi, 1992; Kontschán, 2008) – *Labidostomma* *motasi*, *L. (Cornutella)* *cornutum*, *L. (L.) integrum* (= *L. caucasicum*), *L. (Nicoletiella)* *denticulata*, *L. (Nicoletiella)* *romanica*, *Eunicolina* [*Grandjeanellina*] *nova*
- Slovakia** (Błoszyk et al., 2022) – *Labidostomma luteum*
- Slovenia** (Willmann, 1932; Willmann, 1940, 1941; Vistorin, 1978a) – *Labidostomma* (*Nicoletiella*) *lyra*, *Labidostomma* *cornuta*, *L. spelaeophila*
- Spain (cont.)** (Mihelčič, 1958a,b; Bertrand, 1983; Bertrand et al., 2012) – *Akrostomma* *coineai*, *Labidostomma* (*Nicoletiella*) *luteum*, [*L. colomerense*], *L. franzi*, *L. (L.) integrum*
- Sweden** – *Labidostomma* (*Nicoletiella*) *luteum*
- Switzerland** (Schweizer & Bader, 1963) – *Labidostomma* (*Nicoletiella*) *luteum*
- Turkey (all)** (Urhan & Özmen, 2006) – *Labidostomma* sp.
- Baltic Area** (Dunlop & Bertrand, 2011; Sidorchuk et Bertrand, 2013) – *Labidostomma* (*Nicoletiella*) *paleoluteum* (fossil), *Labidostomma* (*Pseudocornutella*) *electri* (fossil), *Sellnickiella* *balticae* (fossil)

AFRICA

- Algeria** (Grandjean, 1942) – *Labidostomma integrum*, *L. (Cornutella)* *cornutum*
- Angola** (Bertrand & Theron, 1990a) – *Labidostomma* (*L.*) *angolensis*, *L. (L.) perciliata*
- DR Congo** (Cooreman, 1954) – *Labidostomma integrum* *schoutedeni*
- South Africa** (Thor, 1931a; Meyer & Ryke, 1959; Bertrand & Theron, 1990a, 1992) – *Labidostomma* (*L.*) *aethiopica*, *L. (L.) fissurata*, *L. (L.) mirax*, *L. (L.) perciliata*, *Sellnickiella* (*S.*) *capensis*, *S. (S.) hoegi*, *S. (S.) natalensis*

ASIA

- India** (Bhattacharyya, 1966) – *Labidostomma himalayensis*
- Iran** (Bertrand et al., 2012; Jalaeian, Kamali & Bertrand, 2013) – *Labidostomma* (*L.*) *intermedia*
- Israel and Palestina** – *Labidostomma* (*L.*) *intermedia*
- Japan** (Shiba, 1969, 1972, 2004) – *Labidostomma* (*Atyonella*) *simplex*, *Labidostomma* (*Cornutella*) *ezoensis*, *L. (Cornutella)* *mutisetosa*
- Kazakhstan** (Bertrand et al., 2012) – *Labidostomma* (*L.*) *integrum*
- Korea (N.)** (Feider & Vasiliu, 1972) – *Labidostomma asiatica*, *L. (Cornutella)* *mutisetosa*, *M. multisetosa*
- Nepal** (Feider & Vasiliu, 1968a) – *Labidostomma nepalense*
- Philippines** (Bertrand & Corpus Raros, 1997) – *Labidostomma* (*L.*) *guadalupense*

NORTH AMERICA

- USA** (Ewing, 1913; Greenberg, 1952; Robaux, 1977; Crossley & Simmons, 2015) – *Akrostomma gabriella*, *A. grandjeani*, *A. plumosum*, *Eunicolina porifera*, *Labidostomma* (*L.*) *barbae*, *Labidostomma* (*Nicoletiella*) *caloderum*, *L. (N.) fergusonii*, *L. (N.) pacifica*,

SOUTH and CENTRAL AMERICA

Brazil (Sellnick, 1922; Feider & Vasiliu, 1970; Feider, Vasiliu & Calugar, 1974; Bertrand, 1990) – *Labidostomma amasonica*, *Sellnickiella* (S.) *brasiliensis*, *S.* (S.) *decemlabeculata*, *S.* (S.) *mediumreticulata*, *S.* (S.) *schusteri*, *S.* (S.) *pulchra*

Chile (contin.) (Feider & Vasiliu, 1970; Feider, Vasiliu & Calugar, 1974; Bertrand, 1990c) – *Labidostomma* (*Nicoletiella*) *luteoides*, *L.* (*Pselistoma*) *legendrei*, *Sellnickiella* (S.) *decemlabeculata*, *Sellnickiella* (*Dicastricola*) *caeca*, *S.* (D.) *coineaui*, *S.* (D.) *covarubiasi*, *S.* (D.) *fungifera*, *S.* (D.) *fusiformis*, *S.* (D.) *mediohexagonata*, *Sellnickiella* (S.) *macroscopa*,

Guatemala (Stoll, 1891) – *Labidostomma* (*Labidostomma*) *neotropica*

Peru (Bertrand, 1990c) – *Labidostomma* (*Atyeonella*) *peruviana*

OCEANIA

Australia (continent) (Wommersley, 1935; Atyeo & Crossley Jr., 1961a; Bertrand, 1997; Halliday, 1998) – *Sellnickiella adelaideae*, *S. biunguiculata*, *S. womersleyi*

New Zealand (Atyeo & Crossley Jr. 1961b) – *Sellnickiella* (S.) *circinus*, *Labidostomma Atyonella fictiluteum*, *L.* (A.) *glandula*, *L.* (A.) *malleolus*, *L.* (A.) *multifarum*, *L.* (A.) *ocellatum*, *L.* (A.) *striatum*

Bibliography of Labidostommatidae

- Alberti G. 2013. Fine structure of pustules of *Labidostoma luteum* Kramer (Acari, Actino-trichida, Labidostomatidae) with further remarks on the complex cuticle of this mite. – *Acarologia* **53**(2): 129-143.
- Atyeo W. T., D. A. Crossley Jr. 1961a. Labidostommidae from Australia (Acarina: Prostigmata) with the description of a new species. – *Trans. Roy. Soc. S. Aust.*, **84**: 83 – 86.
- Atyeo W. T., D. A. Crossley Jr. 1961b. The Labidostomidae of New Zealand. – *Rec. Dom. Mus. Wellington*, **4**(4): 29 – 48.
- Baker E. W., G. W. Wharton. 1952. *An Introduction to Acarology*, New York
- Banks N. 1915. The Acarina or Mites. A review of the group for the use of economic entomologists. United States Department of Agriculture. Office of the Secretary. Report 108: 1-154.
- Berlese A. 1883: Escursione in Sicilia. Acarofauna Sicula. Ie Serie. – *Boll. Soc. Entomol. Ital.*, **15**: 212-220.
- Berlese A. 1887. Acari, Myriopoda et Scorpiones hucusque in Italia reperta, f. 36, Nr. 8.
- Berlese A. 1911. Acarorum species novae quindecim. – *Redia*, **7**: 429 – 435.
- Bernard J., L. M. Lumley, M. Buck, P. Tyler, P. Cobb. 2020. A new species of rake-legged mite, *Caeculus cassiopeiae* (Prostigmata, Caeculidae), from Canada and a systematic analysis of its genus. – *ZooKeys*, **926**: 1–23.
- Beron P. 1995. Revue des recherches sur les Acariens terrestres (Ordre Acariformes, Sous-ordre Prostigmata) en Bulgarie. – *Historia naturalis bulgarica*, **5**: 3 – 12.

- Bertrand M. 1980a: Cycle saisonnier et distribution verticale de *Labidostomma luteum* Kramer 1879, espèce parthenogenetique dans une charmaie à mercuriales (Brunoy, France).- Vie et Milieu, **30**: 81-86.
- Bertrand M. 1980b. *Labidostomma integrum* Berlese 1887 (Acariens, Actinedida, Labidostomidae). – Document pour un Atlas Zoogéographie du Languedoc-Roussillon: 12 – 14.
- Bertrand M. 1981a. Nouvelles espèces de Labidostommidae de Corse. Intérêt biogéographique. – *Acarologia*, **23**(1): 27 – 38.
- Bertrand M. 1981b. *Labidostomma luteum* Kramer, 1879 (Acariens, Actinedida, Labidostommidae). - Document pour un Atlas Zoogéographie du Languedoc-Roussillon, 21.
- Bertrand M. 1982. Contribution à l'étude des appendices des Labidostommidae (Acari: Prostigmata). – *Acarologia*, **23**(3): 233 – 237.
- Bertrand M. 1983. Nouveaux Labidostommidae d'Espagne (Acari – Actinedida). – *Acarologia*, **24**(2): 159 – 167.
- Bertrand M. 1988. Les Labidostomidae Oudemans 1904 (Acariens, Actinedida) Morphologie, Biologie, Ecologie, Biogéographie. – Thèse d'Etat, Univ. des Sciences et Techniques du Languedoc, Montpellier, Fra.: 344 pp.
- Bertrand M. 1990a. La famille des Labidostomidae Oudemans, 1904 (Acari: Actinedida). Révision des genres et sous-genres et catalogue des espèces décrites. – *Acarologia*, **31**(1): 31 – 38.
- Bertrand M. 1990b. La durée de développement un facteur limitant de l'extension de l'aire de répartition: le cas de trois espèces européennes de Labidostomidae. In : H.M. André and J.-Cl. Lions (eds.). Ontogenèse et le Concept de Stase chez les Arthropodes /Ontogeny and Concept of Stase in Arthropods. AGAR Publishers, Wavre, Belgium: 123 – 128.
- Bertrand M. 1990c. Nouvelles espèces de Labidostomidae d'Amérique Australe. – *Acarologia*, **31**(2): 177 – 185.
- Bertrand M. 1997. *Sellnickiella* (S.) *biunguiculata* n.sp., a noteworthy species of Labidostomidae from Australia (Acari: Actinedida: Labidostomina). - Rec. West. Australian Museum, Perth, **18**: 323-328.
- Bertrand M., M. Bagheri, A. Akbari, M. Yazdani, K. H. Irani-Nejad, Sh. Sh. Mohajer, A. Saboori. 2012. A new Iranian species of the subgenus *Labidostoma* (Prostigmata : Labidostomatidae), with new biogeographic data on the *integrum* species group. – *Acarologia*, **52**(3): 233 – 245.
- Bertrand M., Y. Coineau. 1979. Une nouvelle forme biologique eu-édaphique d'acarien *Akrostoma coralloides* n. sp., Labidostomidae aveugle. – Vie et Milieu, **28-29**(1), sér. C: 101 – 110.
- Bertrand M., L. Corpuz-Raros. 1997. Diversité du genre *Labidostoma* Kramer, 1879: nouvelles données apportées par l'étude de *L. (L.) guadalupense* n.sp. des Philippines. - *Acarologia*, **38**(4): 361-368.
- Bertrand M., E. Sidorchuk, C. Hoffeins. 2015. Before the summer turns to winter: the third labidostommatid genus from Baltic amber has subtropical kin. – *Acarologia*, **55**(3): 321 – 336.

- Bertrand M., P. D. Théron. 1990. Nouveaux Labidostomidae d'Afrique Australe: le genre *Labidostoma* Kramer 1879. – *Acarologia*, **31**(3): 247 – 257.
- Bertrand M., P. D. Théron. 1992. Nouveaux Labidostomidae d'Afrique Australe: le genre *Sellnickiella* Feider et Vasiliu, 1969.. – *Acarologia*, **33**(1): 45 – 52.
- Bhattacharyya S. 1966. A new prostigmatid mite from the Northwestern Himalayas (Acari: Labidostomidae). – *J. Bengal Nat. Hist. Soc.*, **34**: 46.
- Błoszyk J. 1980. Study on the Family Nicoletiellidae (Acari: Prostigmata) in Poland. – *Poznańskie Towarzystwo Przyjaciół. Nauk, Wydział Mat.-Przyrodniczy*, **54**: 53 – 85.
- Błoszyk J., Z. Adamski, A. Napierała. 2018. Notes on the biology and ecology of *Labidostomma* (Acari Prostigmata Labidostommidae) in Poland. – *Redia*, **101**: 155 – 160.
- Błoszyk J., C. Blaszkak, R. Ehrnsberger. 2003. Die Milben in der Zoologischen Staatssammlung Munchen. Teil 3. Familie Labidostommidae. – *Spixiana*, **26**(2): 171 – 174.
- Błoszyk J., P. Czarnota. 1998. Roztocze glebowe z kohorty Uropodina i Labidostommatina jako indykatory zasadności renaturalizacji lasu w Gorczańskim Parku Narodowym. *Przegląd Przyrodniczy*, **9**(1/2): 119–126.
- Błoszyk J., M. Jackiewicz, Z. Olszanowski. 1988. Materiały do znajomości akarofauny Roztocza I. Labidostommidae (Acari: Actinedida) [Materials presenting the acarofauna of Roztocze. I. Labidostommidae (Acari: Actinedida)]. – *Przegl. Zool.*, **32**: 387-392
- Błoszyk J., S. Konwerski, A. Napierała, B. Goldyn, K. Gawronska, 2007. Spatial distribution and habitat preferences of *Labidostoma denticulata* (Acari : Prostigmata) in the Gorce National Park (southern Poland). – *Biological Letters*, **44**(2) : 115 – 125.
- Błoszyk J., Z. Książkiewicz-Parulska, Z. Adamski, A. Napierała. 2017. Influence of Pleistocene glaciation on the distribution of three species of *Labidostomma* in Europe (Acari: Labidostommatidae). – *Syst. & Applied Acarology*, **22**(6): 841 – 857.
- Bottazzi E. 1950. Primo contributo alla fauna de Trombidiformes (Acari) de Parmense. – *Monit. Zool. Ital.*, **58**: 28 - 44.
- Canestrini G. 1885: Prospetto dell' acarofauna Italiana, Parte I. Oribatini e Gamasini. - *Atti Ist. Ven. Sci. Let. Art.*, (Ser. 6) **2**: 1397-1443.
- Coineau Y. 1964a. Un nouveau *Labidostoma* à pustules multiples: *Labidostoma Jacquemarti* n. sp. (Labidostomidae. Acari. Prostigmata). – *Rev. Ecol. Biol. sol*, **1**(3): 543 – 552.
- Coineau Y. 1964b. Une nouvelle espèce française de Labidostomidae (Acariens, Prostigmates): *Eunicolina travei* sp. n. – *Vie et Milieu*, **15**(1): 153 – 175.
- Cooreman J. 1943. Note sur la faune des Hautes – Fagnes en Belgique (1). XII. Acariens (Trombidiformes)(2). – *Bull. Mus. R. Hist. Nat. de Belgique*, **19**(64): 1 – 16.
- Cooreman J. 1951. Études biospéologiques. XXXIV (1). Acariens de Transylvanie. - *Bull. Mus. r. d'Hist. nat. de Belgique*, **19**(64): 1 – 15.
- Cooreman J. 1954a. Acariens recueillis dans les grottes de l'Ariège. – *Notes Biospéol.*, **9**: 179 – 182.
- Cooreman J. 1954b. Notes sur quelques Acariens de la faune cavernicole. – *Inst. R. Sci. Nat, de Belgique*, **30**(34): 1 – 19.

- Cooreman J. 1954c. Acariens du Congo Belge. - Annales du Musée Royal du Congo Belge, **1**: 166.
- Cooreman J. 1955. Exploration du Parc National Albert (Congo). 85 – Acari: 43 – 46.
- Cooreman J. 1959. Notes sur quelques Acariens de la faune cavernicole (2me serie). – Inst. R. Sci. Nat, de Belgique, **35**(34): 1 – 40.
- Costa M. 1961. Mites recovered from the nests of the Levant Vole (*Microtus guentheri*) in Israel. – Ann. Mag. Nat. Hist., 13th Ser., **4**(41): 257 – 282.
- Crossley D.A., B.L.Simmons. 2015. *Akrostomma gabriella* n.sp. from Southern California, with comments on the genus (Acari: Labidostomatidae). – Proc. Entomol. Soc. Wash., **117**(4): 458 – 462.
- Dudich E., G. Kolosváry, L. Szalay, 1940. Bars vármegye pókszábasú (Arachnoidea -) faunájának alapvetése. – A matematikai és természettudományi közlemények, **38**(3): 3 – 71.
- Dunlop J., M. Bertrand. 2011. Fossil labidostomatid mites (Prostigmata: Labidostommatidae) from Baltic amber. - Acarologia, **51**(2): 191–198.
- Ewing H.E. 1934. The suborders and subfamilies of Acarina. – Proc. Helminth. Soc. Washington, **1**: 54 – 65.
- Ewing H. E. 1913. Some new and curious Acarina from Oregon. – Pomona College. J. entomol. Zool., **5**(3): 123 – 136.
- Ewing H.E. 1934. The suborders and subfamilies of Acarina. – Proc. Helminth. Soc. Washington, **1**: 54 – 65.
- Feider Z., N. Vasiliu. 1968a. *Labidostoma nepalense* (Nicoletiellidae), une nouvelle espèce asiatique. – Acarologia, **10**(4): 630 – 644.
- Feider Z., N. Vasiliu. 1968b. *Nicoletiella romanica* n. sp. (Acariformes) une nouvelle espèce d'acarien de litière. – Rev. Roumaine biol., **13**(1): 31 – 41.
- Feider Z., N. Vasiliu. 1968c. Un nouveau genre de la famille Nicoletiellidae Canestrini 1861 et description de l'espèce *Granjeanellina nova* (Sellnick), 1931. – Trav. Mus. Hist. nat. G. Antipa, **3**: 641 – 662.
- Feider Z., N. Vasiliu. 1969. Révision critique de la famille Nicoletiellidae. – Proc Second int. Congr. Acarology, Sutton Bonington 1967: 201 – 207.
- Feider Z., N. Vasiliu. 1970a. Six espèces de Nicoletiellides d'Amérique du Sud. – Acarologia, **12** (2): 282 – 309.
- Feider Z., N. Vasiliu. 1970b. Espèces de Nicoletiellidae (Acariformes) de Roumanie. Livre de Centenaire Emile G. Racovitza 1868 – 1968. 371 – 391.
- Feider Z., N. Vasiliu. 1972. Zoological collecting by the Hungarian natural History Museum in Korea. VI. Quelques Nicoletiellidae de Corée du Nord (Acari). – Ann. Hist. nat Mus. Nat. Hung., **64**: 375 – 385.
- Feider Z., N. Vasiliu, M. Calugar. 1974. Nouvelle contribution à l'étude des Nicoletiellidae d'Amérique du Sud. The Hungarian soil zoological expedition in Chile and de collection of prof. R. Schuster from Brasil. – Acarologia, **16**(3): 413 – 427.
- Franz H. 1954. Die Nordostalpen im Spiegel ihrer Landtierwelt, eine Gebietsmonographie. - Innsbruck, Bd. I, 664 p.
- George C. F. 1883: *Labidostomma luteum*. - J. Post. Micr. Soc., **2**: 245, pl. 42.

- Grandjean F. 1941a. Observations sur les Labidostommidae. – Bull. Mus. Hist. Nat. Paris, Ser. 2, **14** (2): 118 – 125; (3): 185 – 192; (5): 319 – 326; (6): 414 – 418.
- Grandjean F. 1941b. Au sujet des Labidostommidae. – Bull. Mus. Hist. Nat., 2^{ér.}, **13**(6): 537 – 539.
- Grandjean F. 1942a. Observations sur les Labidostommidae (1^{re} sér.). – Bull. Mus. Hist. Nat. Paris, Ser. 2, **14** (2): 118 – 125.
- Grandjean F. 1942b. Observations sur les Labidostommidae (2^e sér.). – Bull. Mus. Hist. Nat. Paris, **14**(3): 185 – 192.
- Grandjean F. 1942c. Observations sur les Labidostommidae (3^e sér.). – Bull. Mus. Hist. Nat. Paris, **14**(5): 319 – 326.
- Grandjean F. 1942d. Observations sur les Labidostommidae (4^e sér.). – Bull. Mus. Hist. Nat. Paris, **2**, **14**(6): 414 – 418.
- Greenberg B. 1952. New Labidostommidae with keys to the New World species (Acarina). – J. N. Y. Entomol. Soc., **60**(4): 195 – 209.
- Halbert J. N. 1915. Clare Island Survey, part 39 ii. Arachnida: ii- Terrestrial and marine Acarina.- Proc. R. Irish Ac., **31**: 45-136, pis. 4-8.
- Hallas Th.E. 1978. Fortegnelse over danske mider (Acari). – Ent. Meddr., **46**: 27 – 45.
- Halliday B. 1998. Mites of Australia. A Checklist and Bibliography. Series Monographs on invertebrate taxonomy, vol.5: 317 pp.
- Hull J.E. 1918. Terrestrial Acari of Tyne Province. – Trans. Nat. Hist. Soc. Northumb. (N.S.): **5**(1): 13 – 88.
- Iavorschi V. 1992. *Labidostoma motasi* n.sp. (Nicoletiellidae) a new species of mite of Romania. – Trav. de l'Inst. de Spéléol. "Emile Racovitza", Bucharest, **31**: 47 – 51.
- Koch C. L. 1838: Deutschlands Crustaceen, Myriapoden und Arachniden.- Regensburg. Heft **20**: 1-24, 24 pis.
- Koch C. L. 1842: Übersicht des Arachnidensystems.- Nürnberg. Drittes Heft. Erste Abteilung. 131 pp., 13 pis.
- Kontschán J. 2008. Labidostommatic mites (Acari: Prostigmata: Labidostommaticidae) from Maramures (Romania). - Studia Universitatis "Vasile Goldis" Arad. Seria Ştiinţele Vieţii (Life Sciences Series); Arad Vol. 18: 359-364.
- Kramer P. 1879. Neue Acariden. – Archiv Naturgesch., **45**(1): 13 – 16.
- Lehtinen P., R. Niemi. 1995. The parthenogenetic mite *Labidostoma luteum* (Acarina: Actinotrichida: Labidostommidae) in Finland. – Entomol. Fennica, **6**: 211 – 227.
- Lindquist E. E., E. A. Sidorchuk. 2015. The labidostommatic palpus: a morphological enigma (Acariformes: Prostigmata). – Acarologia, **55**(3): 337 – 350.
- Lindroth C.H., H. Andersson, H. Böldvarsson, S.H. Richter. 1973. Surtsey, Iceland. The Development of a New Fauna, 1963-1970 Terrestrial Invertebrates. – Entomologica Scandinavica, Suppl. 5, Munksgaard, Copenhagen. Eupodoidea and Bdelloidea on p. 125 – 129.
- Lombardini G. 1943. Acari della collezione Zangheri. Fauna romagnola. – Boll. Soc. Ent. Ital., **85**(3): 17 – 22.
- Luxton M. 1966: Laboratory studies on the feeding habits of saltmarsh Acarina, with notes on their behaviour. – Acarologia, **8**: 163-175.

- Luxton M. 1981. Studies on the prostigmnatid mites of a Danish beech wood soil.- *Pedobiol.*, **22**: 277- 303.
- Meyer M. K. P., P. A. J. Ryke. 1959. New species of Mites of the families Tydeidae and Labidostommidae (Acarina: Prostigmata) collected from South African plants. – *Acarologia*, **1**(4): 408 – 420.
- Michael A.D. 1880. On two species of Acarina believed not to have been recorded as British. – *J. Queckett Micr. Club*, **6**: 107- 113, pl. 6.
- Mihelčič F. 1958a. Zoologisch-systematische Ergebnisse der Studienreise von H. Janetschek und W. Steiner in die spanische Sierra Nevada 1954. IX. Milben (Acarina). – *S.B. Öst. Akad. Wiss.*, I, **167**(1-2): 35 – 57.
- Mihelčič F. 1958b. Prostigmata Südeuropas (Spanien). – *Eos, Madrid*, **34**(3): 269 – 290.
- Oudemans A.C. 1904. Notes on Acari. Eleventh Series. *Tijdschr. Entomol.*, **46**: 111-134.
- Oudemans A.C. 1906. Das Tracheensystem der Labidostomidae und eine neue Klasifikation der Acari. – *Zool. Anz.*, **29**: 633 – 637.
- Oudemans A.C. 1916. Acari, verzameld bij Bonn. – *Ent. Berichten*, **4**(73-96): 250.
- Pfliegler W., M. Bertrand. 2011. A new species of *Labidostomma* for the fauna of Hungary (Acari: Trombidiformes: Labidostomatidae) with an overview of the family. – *Opusc. Zool.*, Budapest, **42**(2): 177 – 183.
- Reck G. F. 1940. Eine neue *Labidostomma* – Art (Acarina). – *Mitt. Georg. Abt. Acad. Wiss. Zool. USSR*, **1**(6): 435 – 456.
- Robaux P. 1977. Observations sur quelques Actinedida (= Prostigmata) d'Amérique du Nord. VI. Sur deux espèces nouvelles de Labidostommidae (Acari). – *Acarologia*, **18**(3): 442 – 461.
- Schmölzer K. 1993. Die hochalpinen Landmilben der östlichen Brennerberge (Acarina terestria). – *Veröff. des Museum Ferdinandeum*, **73**: 47 – 67.
- Schuster R. 1969. Bemerkenswerte Spinnen- und Milbenfunde (Arachnida: Araneae und Acari). *Faunistische Nachrichten aus der Steiermark (XV/7)*. – *Mitt. naturwiss. Ver. Steiermark*, **99**: 216-217.
- Schuster R. 1972. Neue Spinnenfunde (Arachnida div.). *Faunistische Nachrichten aus der Steiermark (XVII/12)*. – *Mitt. naturwiss. Ver. Steiermark*, **102**: 239-241.
- Schuster, R. 1986: Bodenbewohnende Milben (Acari) aus Niedersachsen und anderen Regionen Deutschlands (BRD). – *Braunsch. Naturk. Schr.*, **2**: 519- 525.
- Schuster R., I. J. Schuster. 1969. Gestielte Spermatophoren bei Labidostomiden (Acari, Trombidiformes). – *Die Naturwissenschaften*, **56**(3): 145.
- Schweizer J., C. Bader. 1963. Die Landmilben der Schweiz (Mittelland, Jura und Alpen) –Trombidiformes Reuter. – *Denkschr. schweiz. naturf. Ges.*, **84**: 209 - 378.
- Sellnick M. 1922. *Labidostoma brasiliense* Sellnick n. sp. (Acari). – *Entom. Mitt.*, **11**(2): 45 – 55.
- Sellnick M. 1931. Zoologische Forschungsreise nach den Jonischen Inseln und dem Peloponnes von Max Beier, Wien. XVI. Acari. – *Sitzungsberichte der Österreichischen Akademie der Wissenschaften*, **140**(9-10): 693 – 776.

- Sellnick M. 1940. Die Milbenfauna Islands. – Göteborgs Kungl. Vetenskaps- och Vitterhets-Samhälles Handlingar, ser. B, **6**(14): 129 pp.
- Shiba M. 1969. Taxonomic investigations on free-living mites in the subalpine forest on Shiga Heights IBP area II. Prostigmata. - Bull. natn. Sci. Mus., **12**: 65 - 115.
- Shiba M. 1972. Some Prostigmatid Mites from Mt. Poroshiri in Hokkaido, Northern Japan. – Mem. Natn. Sci. Mus. Tokyo, **5**: 45 – 55.
- Shiba M. 2004. Species composition and distribution of labidostomid mites found in Japan (Proc. of 12th Annual Meeting of the Acarological Society of Japan [in Japanese] – J. Acarol. Soc. Japan, **12**(1): p.98.
- Sidorchuk E., M. Bertrand. 2013. New fossil Labidostomatids (Acari: Labidostomatidae) from Eocene amber and presence of an apustulate species in Europe. – Acarologia, **53**(1): 25 – 39.
- Štorkán I. 1938. Beiträge zur Kenntnis der Familie Nicoletiellidae. – Mém. Soc. Zool. Tchéc. Prague, **6 - 7**: 436 – 453.
- Targioni-Tozzetti Ad. 1886. Notizie somarie di due specie di Cecidomei una consociate ad un *Phytoptus* ad altri Acari e ad una *Thrips* in Aloune galle del Niccida & c. – Bull. Soc. Ent. Ital., 1886, p. 419.
- Thor S. 1930. Beiträge zur Kenntnis der Invertebraten fauna Svalbard. - Skr. Skr. Svalbard Ishavet Oslo, **27**: 1 – 156.
- Thor S. 1931a. Eine neue *Labidostoma* Art aus Moos von Süd Afrika. – Zool. Anz., **93** (1-2): 57 – 58.
- Thor S. 1931b. Bdellidae, Nicoletiellidae, Cryptognathidae. – Das Tierreich, 56. Ed. Walter de Gruyter et co., Berlin und Leipzig, 66 – 77.
- Trägårdh I. 1904: Über die Identifizierung von *Raphignathus ruber* C. L. Koch und *Acarus denticulatus* L. - Zool. Anz., **27**: 565--568.
- Újváry Zs., J. Kontschán. 2010. Data to the Mesostigmata and Trombidiformes (Acari) fauna of Porva and surroundings. - Folia Musei historico-naturalis Bakonyiensis, **27**: 33–38.
- Urhan R., A. Özmen. 2006. Buldan İçsinin (Denizli) toprak akarları. – Buldan Sempoziumu, 351 – 356.
- Vistorin H. E. 1978a. Zur Verbreitung europäischer Nicoletielliden-Arten (Acari, Trombidiformes). – Mitt. Naturwiss. Ver. Steiermark, **108**: 271 – 280.
- Vistorin H. E. 1978b. Fortpflanzung und Entwicklung der Nicoletiellidae (Labidostomidae); Acari, Trombidiformes. - Zool. Jahrb., Syst., **105**: 462- 473.
- Vistorin H. E. 1980a. Ernährungsbiologie und Anatomie des Verdauungstraktes der Nicoletiellidae (Acari: Trombidiformes). – Acarologia, **21**(2): 204 – 215.
- Vistorin H.E. 1980b. Morphologische Untersuchungen an europäischen Nicoletielliden (Acari, Trombidiformes). – Acarologia, **21**(3): 367-383.
- Vistorin H. E. 1981a. Rasterelektronenmikroskopische Untersuchungen am Integument zweier Arten der Milbenfamilie Nicoletiellidae (Acari: Trombidiformes). – Zool. Anz., **206**(1-2): 93 – 99.
- Vistorin H. E. 1981b. Anatomische Untersuchungen aus Genitalorganen und Drüsen der Nicoletiellidae (Acari: Trombidiformes). – Sitzungsberichte Öst Akad. Wiss. (Abt. 1), **190**(1-5): 7 – 32.

- Vitzthum H. 1929. Ordnung: Milben, Acari. – Die Tierwelt Mitteleuropas. Quelle et Meyer, Leipzig. 5. Abt. 4. Buch 5. Lief. 1-7: 1-1011.
- Walter D.E., Lindquist E.E., Smith I.M., Cook D.R., Krantz G.W. 2009 – Order Trombidiformes. In: Krantz G.W., Walter D.E. (Eds.). A Manual of Acarology, Third Edition. Lubbock: Texas Tech University Press, p. 233-420.
- Willmann C. 1932. Acari aus südostalpinen Höhlen. I. – Mitteilungen über Höhlen und Karstforschung: 158 – 161.
- Willmann C. 1934. Acari aus südostalpinen Höhlen. II. – Mitteilungen über Höhlen und Karstforschung: 45 – 53.
- Willmann C. 1937. Beitrag zur Kenntnis der Acarofauna des Komitates Bars. – Ann. Mus. Nat. Hungarici, **31**, Pars Zool., 144-171.
- Willmann C. 1939. Die Moorfauna des Glatzer Schneebergmoore. – Beitr. Biol. Glatzer Schneeberges, Breslau, **5**: 427- 458.
- Willmann C. 1940. Neue Milben aus Höhlen der Balkanhalbinsel, gesammelt von Prof. Dr. K. Absolon, Brunn. – Zool. Anzeiger, **129**, 7/8: 213 – 218.
- Willmann C. 1941. Die Acari der Höhlen der Balkanhalbinsel. (Nach dem Material der «Biospeologica balcanica»). – Studien aus dem Gebiete der allgemeinen Karstforschung etc., Biologische Serie No 8, Brünn, 5 – 80. Labid. 46 – 52.
- Willmann C. 1951. Untersuchungen über die terrestrische Milbenfauna im pannonischen Klimagebiet Österreichs. – Sitzungsber. der Österr. Akademie der Wissenschaften, Mathem. – naturwiss. Kl., Abt. I, **160** Bd.: 91 - 176.
- Willmann C. 1955. Milben aus dem Südwestlichen Sachsen. – Abhandlungen und Berichte aus dem Staatlichen Museum für Tierkunde in Dresden. **22**: 207 - 225.
- Willmann C. 1956. Milben aus dem Naturschutzgebiet auf dem Spieglitzer (Glatzer) Schneeberg. – Česk. Parasitol., **3**: 211 – 273.
- Wommersley N. 1935. On some Cryptognathid and Nicoletiellid Acarina from Australia and New Zealand. – Ann. Mag. nat. Hist., s. 10, **16**: 151 - 154.

Infraorder Eupodina

The Mite Superfamily Eupodoidea

Eupodoidea Banks, 1894

According to Zhang, Ed. (2011), the superfamily consists of nine families (four of them described recently), with 85 genera and 309 species. The four “old” families (Eupodidae, Penthaleidae, Penthalodidae and Rhagidiidae) account for 277 of these species.

The Mite Family Eupodidae Koch

Eupodides C.L. Koch, 1842: 60

Eupodidae: Murray, 1877: 117

Small or middle-sized (160 – 1000 μm) mites, living in moss, leaf litter or on plants. Predators or plant parasites. Members of *Benoinyssus* Fain have been found in the nasal mucus of *Naja melanoleuca* (Serpentes: Elapidae).

Longtime after the descriptions of genus *Eupodes* Koch, 1835 and the family Eupodidae again by C.L. Koch (1842), the family was left with this genus plus *Protereunetes* Berlese, 1923, *Linopodes* C.L. Koch, 1835 and later *Cocceupodes* Sig Thor, 1934 (the last two being considered after 2010 to belong to a separate family Cocceupodidae Jesionowska, later synonymized with Eupodidae and restored). Followed the description of five further genera by Fain (1958), A. Baker (1987), Barilo (1991), Fain & Camerik (1994) and Baker & Lindquist (2002). The important revision of Thor & Willmann (1941) was followed by modern contributions by Meyer & Ryke (1960, South Africa), Strandtmann (1971, Alaska), Strandtmann & Goff (1978, Hawaii), Shiba (1978, Japan), Qin Ting-Kui (1998, Australia and New Zealand), Olivier & Theron (1997, 1998, Southern Africa), and others. Several other authors contributed considerably to the study of these mites: Thor in Norway, Strandtmann in Antarctica, Abou-Awad in Egypt, Corpuz-Raros in the Philippines. Most of the modern research is being done in countries outside Europe and the identity of the 26 “*Eupodes*” species, described by C.L. Koch from Germany and enumerated by Thor & Willmann (1941), remains unclear. Only eight of them have been discussed by modern authors.

Cocceupodidae is a small family of mites, detached from Eupodidae and consisting of three genera and 23 valid species (Jesionowska, 2010). The study of the family starts with *Acarus* [*Linopodes*] *motatorius* Linnaeus, 1758. *Linopodes* C.L. Koch, 1835 is the oldest genus, includes mites with very long front legs. They live in wet places, rotten wood and under stones, often in caves. Koch (1838) describes from Germany 12 “*Linopodes*” species, their identity is still unclear. Some *Cocceupodes* are known from the far North or from Antarctica. Khaustov (2014) synonymized Cocceupodidae under Eupodidae and *Filieupodes* under *Cocceupodes* and described from Crimea a new genus and species *Pseudeupodes porosus*. Later Khaustov (2015) added another two new genera and species *Pseudopenthaleus tauricus* and *Echinoeupodes echinus*, thus the families Eupodidae and Cocceupodidae (combined) seem to include 14 genera and 95 species. Other Polish specialists, based on molecular phylogeny, restored the validity of the family Cocceupodidae and of the genus *Filieupodes* Jesionowska. They concluded that “(1) the genera *Linopodes*, *Filieupodes* and *Cocceupodes* are a separate monophyletic lineage of familial rank and the sister group of Eupodidae s.s., and (2) the genus *Filieupodes* should be considered a separate genus being a sister group of the *Linopodes*-*Cocceupodes* clade” (Szudarek-Trepto, Kaźmierski, Dabert et al. 2020).

Composition of the families Eupodidae and Cocceupodidae

Fam. **Eupodidae** C.L. Koch, 1842 - 14 gen., 95 sp.

Aethosolenia Baker et Lindquist, 2002 – 1 sp.

Benoinyssinae Fain, 1958 – 10 sp.

Caleupodes A. Baker, 1987 – 1 sp.

Claveupodes Strandtmann et Prasse, 1977 – 1 sp.

Cocceupodes Sigh Thor, 1934 – 8 sp.

Echinoeupodes Khaustov, 2017 – 2 sp.

Eupodes C.L. Koch, 1835 – 47 sp.

Filieupodes Jesionowska, 2010 – 9 sp.

Linopodes C.L. Koch, 1835 - 10 sp.

Neoprotereunetes Fain et Camerik, 1994 – 1 sp.

Niveupodes Barilo, 1991 – 1 sp.

Pseudeupodes Khaustov, 2014 – 1 sp.

Pseudopenthaleus Khaustov, 2015 – 2 sp.

Xerophiles Jesionowska, 2003 – 1 sp.

Catalogue of Eupodidae and Cocceupodidae

Family **Eupodidae** C.L. Koch

Eupodides C.L. Koch, 1842: 60

Eupodini Canestrini, 1886: 693

Eupodidae Murray, 1877: 117

Type genus: *Eupodes* C.L. Koch, 1835

Benoinyssinae Fain, 195. Type genus: *Benoinyssus* Fain, 1958: 178.

Cocceupodidae Jesionowska, 2010: 639. Synonymized by Khaustov, 2014, but restored by Szudarek-Trepto, Kaźmierski, Dabert et al. (2020).

Type genus: *Cocceupodes* Sig Thor, 1934 (sensu Jesionowska, 2005)

Genus ***Aethosolenia*** Baker et Lindquist

Aethosolenia Baker & Lindquist, 2002: 2

Type species: *Aethosolenia laselvensis* Baker et Lindquist, 2002

Aethosolenia laselvensis Baker et Lindquist

Aethosolenia laselvensis Baker & Lindquist, 2002: 4

Type locality: Heredia Province, La Selva Biological Station, 50-150 m
Distribution: Costa Rica

Genus ***Benoinyssus*** Fain

Benoinyssus Fain, 1958: 178

Type species: *Benoinyssus najae* Fain, 1958

Benoinyssus celatus Olivier et Theron

Benoinyssus celatus Olivier & Theron, 1997a: 317

Type locality: Cafunfe river

Distribution: Angola

Benoinyssus ereynetoides (Strandtmann et Prasse)

Eupodes ereynetoides Strandtmann & Prasse, 1976: 2; Santamaría et al., 2012: 1164

Benoinyssus ereynetoides (Strandtmann et Prasse): Olivier & Theron, 1997a: 302

Type locality: Etzsdorf/ Saalkreis (East Germany)

Distribution: Germany, Spain

Benoinyssus falcatus Olivier et Theron

Benoinyssus falcatus Olivier & Theron, 1997a: 311

Type locality: Northern Province, Louis Trichardt

Distribution: South Africa

Benoinyssus momeni (Abou-Awad)

Eupodes momeni Abou-Awad, 1984: 333

Benoinyssus momeni (Abou-Awad): Olivier & Theron, 1997a: 302

Type locality: Ain Shams Univ., El-qaliubiya Region

Distribution: Egypt

Benoinyssus najae Fain

Benoinyssus najae Fain, 1958: 138; 1959: 358

Type locality: Kaninya

Distribution: Rwanda

Host: *Naja melanoleuca* (Serpentes: Elapidae), nasal mucus

Benoinyssus oconnori Bizarro Wurlitzer et Da Silva

Benoinyssus oconnori Bizarro Wurlitzer & Da Silva, 2020: 3

Type locality: municipality of Novo Mundo, Mato Grosso state

Distribution: Brazil

Host: from soil and litter

Benoinyssus ornatus Olivier et Theron*Benoinyssus ornatus* Olivier & Theron, 1997a: 317

Type locality: Northern Province, Giyani (South Africa)

Distribution: Angola, Swaziland, South Africa

Benoinyssus pusillus Olivier et Theron*Benoinyssus pusillus* Olivier & Theron, 1997a: 314

Type locality: Northern Province, Warmbaths

Distribution: South Africa

Benoinyssus serratus Olivier et Theron*Benoinyssus serratus* Olivier & Theron, 1997a: 302

Type locality: Northern Province, Turfloop (South Africa)

Distribution: Botswana, Namibia, South Africa, Swaziland

Benoinyssus sp. – Iran (Darbemamieh, Hajiqanbar & Khanjani, 2013: 454)***Benoinyssus tuberculatus*** (Baker)*Opsereynetes tuberculatus* Baker, 1945: 18*Benoinyssus tuberculatus* (Baker): Hunter, 1964: 181*Ereynetes (Opsereynetes) tuberculatus* Baker: Fain, 1964b: 106

Type locality: Desierto de los Leones

Distribution: Mexico

Genus ***Caleupodes*** A. Baker*Caleupodes* A. Baker, 1987: 103Type species: *Caleupodes reticulatus* A. Baker, 1987***Caleupodes reticulatus*** A. Baker*Caleupodes reticulatus* A. Baker, 1987: 104

Type locality: Suffolk, Hollesley Common

Distribution: England

Genus ***Claveupodes*** Strandtmann et Prasse*Claveupodes* Strandtmann & Prasse, 1977: 10Type species: *Claveupodes delicatus* Strandtmann et Prasse, 1977***Claveupodes delicatus*** Strandtmann et Prasse*Claveupodes delicatus* Strandtmann & Prasse, 1977: 11; Martin, 1983: 15

Type locality: Etzdorf/Saalkreis, East Germany

Distribution: Germany, New Zealand

***Claveupodes* sp.** - Iran (Darbemamieh, Hajiqanbar & Khanjani, 2013: 454)

Genus ***Cocceupodes*** Sig Thor

Cocceupodes Sig Thor, 1934: 128 (sensu Jesionowska, 2005)

Type species: *Eupodes clavifrons* R. Canestrini, 1886

Cocceupodes australis Strandtmann et Tilbrook

Cocceupodes australis Strandtmann & Tilbrook, 1968: 51; Shiba, 1971: 222; Jesionowska, 2010: 643. Strandtmann & Prasse (1977: 9) synonymize it with *C. mollicellus*.

Type locality: Deception Island

Distribution: Deception Island (South Shetland Islands), Japan

Cocceupodes breweri Strandtmann

Cocceupodes breweri Strandtmann, 1971: 87; Jesionowska, 2010: 641

Type locality: Anaktuvik Pass, Alaska

Distribution: USA (Alaska), Greenland

Cocceupodes communis Shiba

Cocceupodes communis Shiba, 1969c: 68; Jesionowska, 2010: 643

Type locality: Shiga Heights IBP Area, Nagano Pref.

Distribution: Japan

Cocceupodes gracilongus Olivier et Theron

Cocceupodes gracilongus Olivier & Theron, 2003: 186; Jesionowska, 2010: 641

Type locality: S. Afr., Northern Province, Ga-Selati River, near Tzaneen

Distribution: South Africa

Cocceupodes longisolenidiatus Jesionowska

Cocceupodes longisolenidiatus Jesionowska, 2007: 352; 2010: 641

Type locality: Poland

Distribution: Poland

Cocceupodes mollicellus (C.L. Koch)

Eupodes mollicellus C.L. Koch, 1838: fa. 19, t. 23

Eupodes clavifrons R. Canestrini, 1886: 716 (type loc. Trentino); Haarløv, 1942 : 28

Cocceupodes clavifrons (R. Canestrini): Sig Thor, 1934: 128; Schweizer & Bader, 1963: 218; Strandtmann, 1971: 85

Cocceupodes mollicellus: Oudemans, 1937: 891; Thor & Willmann, 1941: 36; Mihelčič, 1957; Macfadyen, 1954: 283; Haarløv, 1957: 26; Strandtmann & Prasse, 1977: 8; Strandtmann & Goff, 1978: 133; Jesionowska, 2010: 641

Cocceupodes curticlava Thor, 1934: 178; Thor & Willmann, 1941: 36; Macfadyen, 1954: 283;

Haarløv, 1957: 27 (syn. by Strandtmann & Prasse, 1977: 8)

Type locality: Germany

Distribution: Austria, Denmark, Germany, Italy, Norway, Hawaii, Greenland, Switzerland, Yan Mayen I.

***Cocceupodes planiticus* Shiba**

Cocceupodes planiticus Shiba, 1978: 141; Jesionowska, 2010: 643

Type locality: Japan

Distribution: Japan

***Cocceupodes stellatus* Strandtmann et Prasse**

Cocceupodes stellatus Strandtmann & Prasse, 1977: 6; Jesionowska, 2010: 641

Type locality: Etzdorf/ Saalkreis (East Germany)

Distribution: Germany, Greenland (cf. *stellatus*)

Genus ***Echinoeupodes* Khaustov**

Echinoeupodes Khaustov, 2017: 29

Type species: *Echinoeupodes* Khaustov, 2017: 29

***Echinoeupodes echinus* Khaustov**

Echinoeupodes echinus Khaustov, 2017: 31

Type locality: nr. Yalta

Distribution: Crimea

***Echinoeupodes turgidus* (Shiba)**

Protereunetes turgidus Shiba, 1978: 145

Echinoeupodes turgidus (Shiba): Khaustov, 2017: 31

Type locality: Gobo, Wakayama

Distribution: Japan

Genus ***Eupodes* C.L. Koch**

Eupodes C.L. Koch, 1835: fa. 1, t. 18 - 19

Megamerus Dugès, 1834: 50 (non Mac Leay, 1827). Enumerated are: *longipes*, *inflatus*, *ovalis*, *celer*, *roseus*, *castaneus*, *fallax*

Egypteupodes B.A. Abou-Awad, 1984: 329 (syn. by Olivier & Theron, 1997: 58). Type: *E. strandtmanni* Abou-Awad, 1984

Type species: *Eupodes striola* C.L. Koch, 1835

***Eupodes acanthus* Olivier et Theron**

Eupodes acanthus Olivier & Theron, 1998: 284

Type locality: Northern Province, Debegeni Falls

Distribution: South Africa

Eupodes alaskanensis Strandtmann

Eupodes alaskanensis Strandtmann, 1971: 79

Type locality: Alaska, Cape Beaufort

Distribution: USA (Alaska)

Eupodes angardi Strandtmann et Sømme

Eupodes angardi Strandtmann & Sømme, 1977: 138

Type locality: Queen Maud Land, Brattskarvet

Distribution: Antarctica

Eupodes bakeri Abou-Awad, El-Sawaf et Abdel-Khalek

Eupodes bakeri Abou-Awad, El-Sawaf & Abdel-Khalek, 2006: 46

Type locality: Egypt

Distribution: Egypt

Eupodes berensis Shiba

Eupodes berensis Shiba, 1976: 85

Type locality: Malaysia

Distribution: Malaysia

Eupodes berlesei Thor

Eupodes berlesei Thor, 1912: 236; Schweizer & Bader, 1963: 217

Type locality: Italy

Distribution: Denmark, Italy, Switzerland

Eupodes brevipes Banks

Eupodes brevipes Banks, 1916: 14

Type locality: Laguna Beach, California

Distribution: USA (California)

Eupodes callejae Corpuz- Raros

Eupodes callejae Corpuz- Raros, 2005: 135

Type locality: Baybay, Leyte Is.

Distribution: Philippines (Leyte Is., Luzon Is.)

Eupodes cordiformis Shiba

Eupodes cordiformis Shiba, 1978: 135

Type locality: Kuwabara, Matsuyama, Ehime

Distribution: Japan

Eupodes crozetensis Strandtmann et Davies

Eupodes crozetensis Strandtmann & Davies, 1972: 50; Darbemamieh, Hajiqanbar & Khanjani, 2013: 454

Type locality: French Base Buildings, Possession Island, Crozet Islands

Distribution: Iran, Possession Island, Crozet Islands (sub-antarctic)

Eupodes exiguus Booth, Edwards et Usher

Eupodes exiguus Booth, Edwards & Usher, 1985: 392

Type locality: South-Orkney-Islands

Distribution: Antarctica (South-Orkney-Islands)

Eupodes fusifer R. Canestrini

Eupodes fusifer R. Canestrini, 1886: 714

Type locality: San Remo, Veneto

Distribution: Italy

Eupodes fusiferellus Meyer et Ryke

Eupodes fusiferellus Meyer & Ryke, 1960: 483

Type locality: Bathurst

Distribution: South Africa

Eupodes garciai Corpuz- Raros

Eupodes garciai Corpuz- Raros, 2005: 137

Type locality: Luzon (UPLB campus, College, Laguna)

Distribution: Philippines (Luzon, Leyte Isls)

Eupodes ghardagae Schuster

Eupodes ghardagae Schuster

Type locality: Egypt

Distribution: Egypt

Eupodes gilvus C.L. Koch

Eupodes gilvus C.L. Koch, 1838: fa. 20, t. 1

Type locality: Regensburg

Distribution: Germany

Eupodes haltica (Haller)

Megamerus haltica Haller, 1880: 364

Eupodes haltica (Haller): Thor & Willmann, 1941: 25

Type locality: "Moos am Thunersee"

Distribution: Switzerland

Eupodes hamatus Olivier et Theron

Eupodes hamatus Olivier & Theron, 1997: 72

Type locality: Western Cape, Lamberts Bay

Distribution: South Africa

Eupodes hawaiiensis Strandtmann et Goff

Eupodes hawaiiensis Strandtmann & Goff, 1978: 129; Goff, 1987: 31

Type locality: Hawaii Isl., Kilauea Forest Reserve, 1620 m

Distribution: Hawaii

Eupodes hiemalis C.L. Koch

Eupodes hiemalis C.L. Koch, 1838: fa. 19, t. 4; Thor & Willmann, 1941: 20; Lindroth et al., 1973: 125

Type locality: Regensburg (Germany)

Distribution: Germany, Iceland

Eupodes hjartdaliae Thor

Eupodes hjartdaliae Thor, 1934a: 213

Type locality: Hjartdal, Telemarken

Distribution: Norway

Eupodes iconicus C.L. Koch

Eupodes iconicus C.L. Koch, 1838: fa.19, t. 7; 1842: fa. 3, p.69; Walckenaer, 1847: 537; Oudemans, 1937: 884; Thor & Willmann, 1941: 12

Type locality: Regensburg (Germany)

Distribution: Germany, Italy

Eupodes indentatus Olivier et Theron

Eupodes indentatus Olivier & Theron, 1997: 69

Type locality: Mt. Inn Hotel, Soutpansberg

Distribution: South Africa

Eupodes infirmus Shiba

Eupodes infirmus Shiba, 1978: 133

Type locality: Mt. Saragamine, Shigenobu-cho, Ehime

Distribution: Japan

Eupodes leucomelas C.L. Koch

Eupodes leucomelas C.L. Koch, 1838: fa.19, t.14

Type locality: Regensburg

Distribution: Germany

Eupodes littoralis Shiba*Eupodes littoralis* Shiba, 1978: 141

Type locality: Wake, Matsuyama, Ehime

Distribution: Japan

Eupodes longipilus Thor*Eupodes longipilus* Thor, 1934: 178; Meyer & Ryke, 1960: 487

Type locality: Cape Town

Distribution: South Africa

Eupodes longisetatus Strandtmann*Eupodes longisetatus* Strandtmann, 1964: 148; Shiba, 1969c: 66; 1969a: 149

Type locality: Campbell Island

Distribution: Japan, New Zealand (Campbell Island)

Eupodes lumbarus Shiba*Eupodes lumbarus* Shiba, 1976: 88

Type locality: Malaysia

Distribution: Malaysia

Eupodes lutatus Olivier et Theron*Eupodes lutatus* Olivier & Theron, 1997: 72

Type locality: Zululand, St Lucia

Distribution: South Africa

Eupodes marinus Banks*Eupodes marinus* Banks, 1896: 75; 1907: 596; Thor, 1934: 206; Thor & Willmann, 1941: 27

Type locality: Sea Cliff, New York

Distribution: USA

Eupodes milvinus C.L. Koch*Eupodes milvinus* C.L. Koch, 1838: fa. 19, t.1; 1842: fa. 3, p.70; Walckenaer, 1847: 537; Oudemans, 1937: 890; Thor & Willmann, 1941: 22

Type locality: Oberpfalz

Distribution: Germany, Italy, Holland, Sweden

Eupodes minimilis Olivier et Theron*Eupodes minimilis* Olivier & Theron, 1998: 281

Type locality: Northern Province, Giyani (South Africa)

Distribution: Botswana, Cabo Verde Islands, South Africa, Zimbabwe

Eupodes minutus (Strandtmann)

Protereunetes minutus Strandtmann, 1967: 55

Eupodes minutus (Strandtmann): Strandtmann, 1970: 89; Luxton, 1990: 400

Tydeus antipodus: Womersley (1937)

Eupodes antipodus: Baker (1970)

Type locality: South Georgia, Bay of Isles

Distribution: South Georgia, Macquarie I., New Zealand (South Island)

Eupodes niloticus Abou-Awad et El-Bagouri

Eupodes niloticus Abou-Awad & El-Bagouri, 1985: 5; Abdelgayed, 2019: 32

Type locality: Egypt

Distribution: Egypt

Eupodes ocellatus Willmann

Eupodes ocellatus Willmann, 1952: 159

Type locality: Wanderooge I.

Distribution: Germany

Eupodes oedipus Oudemans, 1937: 888 (nom. nov. pro *Eupodes macropus* Koch, 1838)

Eupodes okinoshimaensis Shiba

Eupodes okinoshimaensis Shiba, 1978: 138

Type locality: Nakamura, Okinoshima, Shimane

Distribution: Japan

Eupodes onoi Shiba

Eupodes onoi Shiba, 1976: 92

Type locality: Malaysia

Distribution: Singapore, Malaysia

Eupodes parafusifer Meyer et Ryke

Eupodes parafusifer Meyer & Ryke, 1960: 483; Olivier & Theron, 1998: 276

Type locality: Mooi River, Potchefstroom (South Africa)

Distribution: Angola, South Africa

Eupodes parvus Booth, Edwards et Usher

Eupodes parvus Booth, Edwards & Usher, 1985: 394

Type locality: South-Orkney-Islands

Distribution: Antarctica (South-Orkney-Islands)

Eupodes parvus grahamensis Booth, Edwards et Usher*Eupodes parvus grahamensis* Booth, Edwards & Usher, 1985: 395

Type locality: Antarctica, Takaki Promontory, Brabant Island

Distribution: Antarctica

Eupodes pasohensis Shiba*Eupodes pasohensis* Shiba, 1976: 86

Type locality: Pasoh Forest Reserve, Negeri Sembilan, W. Malaysia

Distribution: Malaysia

Eupodes pseudoclavifrons R. Canestrini*Eupodes pseudoclavifrons* R. Canestrini, 1886: 717; Thor, 1934: 205; Schmölzer, 1993: 59*Cocceupodes pseudoclavifrons* (R. Canestrini): Schweizer & Bader, 1963: 218

Type locality: Italy (Trentino)

Distribution: Austria, Italy, Switzerland

Eupodes pseudolumbarus Shiba*Eupodes pseudolumbarus* Shiba, 1976: 90; Corpuz-Raros, 2005: 140

Type locality: Pasoh Forest Reserve, Negeri Sembilan, W. Malaysia

Distribution: W.Malaysia, Philippines (Luzon, Leyte)

Eupodes pusillus Shiba*Eupodes pusillus* Shiba, 1976: 93; Corpuz-Raros, 2005: 143c

Type locality: Pasoh Forest Reserve, Negeri Sembilan, W. Malaysia

Distribution: W.Malaysia, Philippines (Luzon, Leyte)

Eupodes riedli Schuster*Eupodes riedli* Schuster, 1965

Type locality: Possession I.

Distribution: Possession I., (Crozet Isls, Antarctica)

Eupodes sigmoidensis Strandtmann et Goff*Eupodes sigmoidensis* Strandtmann & Goff, 1978: 123; Goff, 1987: 31; Gupta et al., 2004:

44 Darbemamieh, Hajiqaanbar & Khanjani, 2013: 454

Type locality: Hawaii I., east slope of Mauna Loa

Distribution: Hawaii, India, Iran, Ivory Coast

Eupodes signatus C.L. Koch*Eupodes signatus* C.L. Koch, 1835: fasc. 1, t.19

Type locality: Pleistein

Distribution: Deutschland

***Eupodes skiaaki* Thor**

Eupodes skiaaki Thor, 1934: 213

Type locality: Linseim, Grjotli, Videsaeter in Skiaak (Gudbrandsdalen)

Distribution: Norway

***Eupodes strandtmanni* Coineau**

Eupodes strandtmanni Coineau, 1976: 56

Type locality: Banyuls-sur-Mer

Distribution: France

***Eupodes striola* C.L. Koch**

Eupodes striola C.L. Koch, 1836: fa.1, t.18

Type locality: Germany

Distribution: Germany

***Eupodes temperatus* Shiba**

Eupodes temperatus Shiba, 1978: 135; Abou-Awad, 1984: 335

Type locality: Yuyama, Matsuyama

Distribution: Egypt, Japan

***Eupodes tottanfjella* Strandtmann**

E. tottanfjella Strandtmann, 1967: 54

Type locality: Queen Maud Land

Distribution: Antarctica

***Eupodes trifasciatus* C.L. Koch**

Eupodes trifasciatus C.L. Koch, 1838: fa.19, t.15

Type locality: Regensburg

Distribution: Germany

***Eupodes unifasciatus* C.L. Koch**

Eupodes unifasciatus C.L. Koch, 1838: fa.19, t. 11; 1841: 436; 1842: fa.3, p.69; Walckenaer, 1847: 537; Oudemans, 1937: 897; Thor & Willmann, 1941: 15; Turk & Turk, 1952: 497

Type locality: Regensburg (Germany)

Distribution: England, Germany,

***Eupodes vallombrosae* Thor**

Eupodes vallombrosae Thor, 1934: 212; Mihelčič, 1958b: 269; Schweizer & Bader, 1963: 217

Type locality: "Vallombrosa, Firenze", Italy

Distribution: Italy, Switzerland, Spain

***Eupodes variegatus* C.L. Koch**

Eupodes variegatus C.L. Koch, 1838: fa.19, t.2; 1841: v.3, 435; 1842: fa.3, p. 69; Walckenaer, 1847: 537; Thor, 1912: 236; Halbert, 1915: 110; 1920: 139 (var. *halophilus*); Hull, 1918: 34; Sellnick, 1940: 32; Haarløv, 1942; Thor & Willmann, 1941: 20; Macfadyen, 1954: 283; Bottazzi, 1950: 37; Mihelčič, 1958a: 104; 1958b: 269; Sellnick, 1958: 38; Meyer & Ryke, 1960: 487; Lipkin & Safriel, 1971: 7 (var. *halophila*)

Type locality: Regensburg (Germany)

Distribution: Austria, England, Germany, Greenland, Ireland, Island, Israel, Italy, Norway, South Africa, Spain, Sweden, Yan Mayen I.

***Eupodes versicolor* C.L. Koch**

Eupodes versicolor C.L. Koch, 1838: fa.19, t.13

Type locality: Regensburg

Distribution: Germany

***Eupodes viridis* Oudemans**

Eupodes viridis Oudemans, 1906: 40

Type locality: Greenland

Distribution: Greenland

***Eupodes voxencollinus* Thor**

Eupodes voxencollinus Thor, 1934: 208; Weis-Fogh, 1948; Evans, 1952: 666; Hallas, 1978: 31; Strandtmann & Goff, 1978: 126; Abou-Awad, 1984: 333; Goff, 1987: 31; Darbemamieh, Hajiqanbar & Khanjani, 2013: 454; Hagstrum D. et al. 2013: 546

Eupodes alaskanensis Strandtmann, 1971: 79; Strandtmann & Prasse, 1977: 4

Eupodes acuminatus Willmann, 1952 – Wangerooze Is.

Type locality: “Voksenkollen bei Oslo” (Norway)

Distribution: Alaska, Canada, China, Denmark, Egypt, England, Germany Hawaii, Iran, Norway

***Eupodes winsnesi* Strandtmann et Sømme**

Eupodes winsnesi Strandtmann & Sømme, 1977: 140

Type locality: Queen Maud Land, Brattskarvet, Sverdrupfjella

Distribution: Antarctica

***Eupodes wisei* Womersley et Strandtmann**

Eupodes wisei Womersley & Strandtmann, 1963: 452

Type locality: Hallett Station

Distribution: Antarctica

***Eupodes zaheri* Abou-Awad, El-Sawaf et Abdel-Khalek**

Eupodes zaheri Abou-Awad, El-Sawaf & Abdel-Khalek, 2006: 44

Type locality: Egypt

Distribution: Egypt

***Eupodes* sp.** – Yemen (Ueckermann et al., 2006: 262)

Genus ***Filieupodes*** Jesionowska

Filieupodes Jesionowska, 2010: 641

Type species: *Filieupodes filiformis* Jesionowska, 2010

Filieupodes aegyptiacus (Abou-Awad et El-Bagouri)

Cocceupodes aegyptiacus Abou-Awad & El-Bagouri, 1984: 68

Filieupodes aegyptiacus (Abou-Awad et El-Bagouri): Jesionowska, 2010: 642

Type locality: Egypt (on *Vitis vinifera*)

Distribution: Egypt

Filieupodes filiformis Jesionowska

Filieupodes filiformis Jesionowska, 2010: 645

Type locality: The Bialowieza Forest. Hajnówka (Podlaskie District)

Distribution: Poland

Filieupodes filistellatus Jesionowska

Filieupodes filistellatus Jesionowska, 2010: 651

Type locality: Ciechocinek near Toruń (Kujawsko-Pomorskie Distr.)

Distribution: Poland

Filieupodes fusiformis (Olivier et Theron)

Cocceupodes fusiformis Olivier & Theron, 2003: 165

Filieupodes fusiformis (Olivier et Theron): Jesionowska, 2010: 652

Type locality: S.Afr., Northern Province, near Nylstroom

Distribution: South Africa

Filieupodes paradoxus (Weis-Fogh)

Cocceupodes paradoxus Weis-Fogh, 1948: 263; Evans, 1952: 666; Haarløv, 1957: 27

Filieupodes paradoxus (Weis-Fogh): Jesionowska, 2010: 652

Type locality: Denmark

Distribution: England, Denmark, Greenland

Filieupodes sharkiensis (Abou-Awad, El-Sawaf et Abdel-Khalek)

Cocceupodes sharkiensis Abou-Awad, El-Sawaf & Abdel-Khalek, 2006: 48

Filieupodes sharkiensis: Jesionowska, 2010: 642

Type locality: Sharki

Distribution: Egypt

Filieupodes shepardi (Strandtmann)

Cocceupodes shepardi Strandtmann, 1971: 88

Filieupodes shepardi (Strandtmann): Jesionowska, 2010: 642

Type locality: Cape Beaufort (Alaska)

Distribution: USA (Alaska)

Filieupodes strandtmanni (Abou-Awad et El-Bagouri)

Cocceupodes strandtmanni Abou-Awad & El-Bagouri, 1986: 68

Filieupodes strandtmanni (Abou-Awad et El-Bagouri): Jesionowska, 2010: 642

Type locality: Egypt

Distribution: Egypt

Filieupodes trisetatus (Strandtmann et Prasse)

Cocceupodes trisetatus Strandtmann & Prasse, 1977: 7; Strandtmann & Goff, 1978: 130;
Goff, 1987: 31

Filieupodes trisetatus (Strandtmann et Prasse): Jesionowska, 2010: 641

Type locality: Etzdorf/ Saalkreis (East Germany)

Distribution: Germany, Hawaii

Genus ***Linopodes*** C.L. Koch

Linopodes C.L. Koch, 1836: fa. 1, t. 16

Type species: *Linopodes ravus* C.L. Koch, 1836

Linopodes antennaepes Banks

*Linopodes antennaepe*s Banks, 1894: 221; Miller, 1925: 93; Darbemamieh, Hajiqanbar &
Khanjani, 2013: 454

Type locality: USA

Distribution: Australia, Canada, Great Britain, Iran, Italy, USA

Linopodes barnufi Abou - Awad Badawi, El-Sawaf et Abdel-Khalek

Linopodes barnufi Abou - Awad Badawi, El-Sawaf & Abdel-Khalek, 2006: 50

Type locality: Egypt

Distribution: Egypt

Linopodes cameronensis Shiba

Linopodes cameronensis Shiba, 1976: 96; Darbemamieh, Hajiqanbar & Khanjani, 2013: 454

Type locality: Malaysia

Distribution: Iran, Malaysia

***Linopodes eupodoides* R. Canestrini**

Linopodes eupodoides R. Canestrini, 1886: 701; Schweizer & Bader, 1963: 219

Type locality: Italy, Trentino

Distribution: Italy, Switzerland

***Linopodes iwatensis* Morikawa**

Linopodes pubescens iwatensis Morikawa, 1963: 15

Linopodes iwatensis: Shiba, 1969c: 69

Type locality: Uchimagi, Yamagata-mura, Iwate Pref.

Distribution: Japan

***Linopodes kochi* Sig Thor (in Thor & Willmann, 1941: 43, nomen nov. for *Linopodes longipes* C.L. Koch, 1838: 15 non *Trombidium longipes* Hermann, 1804)**

Type locality: Germany

Distribution: Germany

***Linopodes motatorius* (Linnaeus)**

Acarus motatorius Linnaeus, 1758: 616

Gamasus motatorius: Fabricius, 1805: 360

Linopodes motatorius (Linnaeus): Canestrini, 1886: 699; Oudemans, 1897: 112; 1937: 916; Willmann, 1951a: 146; 1954: 234; Bottazzi, 1956: 38; Haarløv, 1957: 30; Cooreman, 1959: 17; Schmölder, 1962: 283; Schweizer & Bader, 1963: 219 (full synonymy until 1938 in Thor & Willmann, 1941).

Type locality: Europe

Distribution: Austria, Bulgaria, Belgium, Croatia, Czech Rep., Denmark, Germany, Great Britain, Hungary, Iceland, Italy, Norway, Spain, Switzerland

***Linopodes motatorius africanus* Meyer et Ryke**

Linopodes motatorius africanus Meyer & Ryke, 1960: 489

Type locality: Bathurst

Distribution: South Africa

***Linopodes obsoletus* C.L. Koch**

Linopodes obsoletus C.L. Koch, 1838: fasc. 18, t.18

Type locality: Regensburg

Distribution: Germany

***Linopodes pubescens* Morikawa**

Linopodes pubescens Morikawa, 1963: 13

Type locality: Shiroyama, Matsuyama City, Ehime Pref.

Distribution: Japan

Linopodes ravus* C.L. KochLinopodes ravus* C.L. Koch, 1836: fa. 1, t. 17

Type locality: Regensburg

Distribution: Germany

Genus *Neoprottereunetes* Fain et Camerik*Neoprottereunetes* Fain & Camerik, 1994: 153Type species: *Ereynetes lapidarius* Oudemans, 1906***Neoprottereunetes lapidarius* (Oudemans)***Ereynetes lapidarius* Oudemans, 1906: 40*Prottereunetes lapidarius*: Bujtendijk, 1945: 319; Thor & Willmann, 1941: 58*Neoprottereunetes lapidarius* (Oudemans): Fain & Camerik, 1994: 153

Type locality: Arnhem

Distribution: Holland

Genus *Niveupodes* Barilo*Niveupodes* Barilo, 1991: 140Type species: *Niveupodes niveus* Barilo, 1991***Niveupodes niveus* Barilo***Niveupodes niveus* Barilo, 1991: 140; Khaustov, 2016: 258

Type locality: Zarafshan Range, 20 km south of Samarkand

Distribution: Uzbekistan

Genus *Pseudeupodes* Khaustov*Pseudeupodes* Khaustov, 2014: 13Type species: *Pseudeupodes porosus* Khaustov, 2014***Pseudeupodes porosus* Khaustov***Pseudeupodes porosus* Khaustov, 2014: 13

Type locality: Yalta mountain-forest Nature Reserve

Distribution: Crimea

Genus *Pseudopenthaleus* Khaustov*Pseudopenthaleus* Khaustov, 2015: 931Type species: *Pseudopenthaleus tauricus* Khaustov, 2015***Pseudopenthaleus ciliatus* (Shiba)***Penthaleus ciliatus* Shiba, 1978: 147*Pseudopenthaleus ciliatus* (Shiba): Khaustov, 2015: 927

Type locality: Mt. Sagaramine, Shigenobu-sho, Ehime

Distribution: Japan

Pseudopenthaleus tauricus Khaustov

Pseudopenthaleus tauricus Khaustov, 2015: 931

Type locality: Crimea

Distribution: Crimea

Genus ***Xerophiles*** Jesionowska

Xerophiles Jesionowska, 2003: 12

Type species: *Xerophiles ereynetoidalis* Jesionowska, 2003

Xerophiles ereynetoidalis Jesionowska

Xerophiles ereynetoidalis Jesionowska, 2003: 12

Type locality: Szczecin (Poland)

Distribution: Poland, Slovakia

Among the species described by Müller, 1776, Schrank, 1776, Hermann, 1804, Dugès, 1834, C.L. Koch, 1838, Wankel, 1861, Karsch, 1881, Banks, 1894, 1897, Berlese, 1917, but with unclear identity, are *Eupodes cerinus* Koch, *E. celerrimus* Koch, *E. variabilis* Banks, *E. formosulus* Koch, *E. dugesi* Sig Thor (as nom. nov.), *E. dilectus* Koch, *E. cornifer* (Müller) (*Acarus* c.), *E. cinctus* Koch, *E. chloromelas* Koch, *E. celer* (Dugès) (*Megamerus* c.), *E. lineatus* Koch, *E. lineola* Koch, *E. fasciola* Koch, *E. ochlochlorus* Koch, *E. saltatorius* Schrank (*Acarus* s.), *E. macropus* Koch, *E. melanurus* Koch, *E. pallescens* Koch, *Linopodes ambustus* Koch, *L. decoloratus* Koch, *L. decoloreus* Koch, *L. longipes*, *L. macropus* Herm. (*Trombidium* m.), *L. gracilipes* Karsch, *L. flexuosus* Koch, *L. flavipes* Koch, *L. riparius* Koch, *L. subterraneus* Wankel, *L. mammothia* Banks (*Eupodes* m.), *L. maculatus* Koch, *L. melaleucus* Koch, *L. rubiginosus* Koch, *L. agitatorius* Berlese.

Index of Eupodidae and Cocceupodidae

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

acanthus, *Eupodes* 44

acuminatus, *Eupodes* 44

aegyptiacus, *Cocceupodes* 52

aegyptiacus, *Filleupodes* 52

Aethosolenia 40

africanus, *Linopodes motatorius* 54

agitatorius, *Linopodes* 56

alaskanensis, *Eupodes* 44

ambustus, *Linopodes* 56

angardi, *Eupodes* 44

antennaepes, *Linopodes* 53

antipodus, *Eupodes* 48

antipodus, *Tydeus* 48

australis, *Cocceupodes* 42

bakeri, *Eupodes* 44

barnufi, *Linopodes* 53

Benoinyssinae 39

Benoinyssus 40

berensis, *Eupodes* 45
berlesei, *Eupodes* 45
brevipes, *Eupodes* 45
breweri, *Cocceupodes* 43
Brotereunetes
Caleupodes 42
callejae, *Eupodes* 46
cameronensis, *Linopodes* 53
castaneus, *Eupodes* 56
castaneus, *Megamerus* 56
celatus, *Benoinyssus* 40
celer, *Eupodes* 56
celer, *Megamerus* 56
celer, *Trombidium* 56
celerrimus, *Eupodes* 56
cerinus, *Eupodes* 56
chloromelas, *Eupodes* 56
ciliatus, *Pseudopenthaleus* 56
ciliatus, *Penthaleus* 56
cinctus, *Eupodes* 56
Claveupodes 49
clavifrons, *Eupodes* 43
clavifrons, *Cocceupodes* 43
Cocceupodes 42
Cocceupodidae 40
communis, *Cocceupodes* 43
cordiformis, *Eupodes* 45
cornifer, *Acarus* 56
cornifer, *Eupodes* 56
crozetensis, *Eupodes* 45
curviclava, *Cocceupodes* 43
decoloratus, *Eupodes* 56
decoloratus, *Linopodes* 56
decoloreus, *Linopodes* 56
delicatus, *Claveupodes* 42
dilectus, *Eupodes* 56
dugesi, *Eupodes* 56
Echinoeupodes 44
echinus, *Echinoeupodes* 44
Egypteupodes 44
ereynetoidalis, *Xerophiles* 56
ereynetoides, *Benoinyssus* 41

ereynetoides, *Eupodes* 41
Eupodes 44
Eupodidae 40
Eupodides 39
Eupodoidea 38
eupodoides, *Linopodes* 54
exiguus, *Eupodes* 45
falcatus, *Benoinyssus* 40
fallax, *Megamerus* 44
fasciola, *Eupodes* 56
Filieupodes 52
filiformis, *Filieupodes* 52
filistellatus, *Filieupodes* 52
flavipes, *Linopodes* 56
flexuosus, *Linopodes* 56
formosulus, *Eupodes* 56
fusifer, *Eupodes* 45
fusiferellus, *Eupodes* 46
fusiformis, *Cocceupodes* 52
fusiformis, *Filieupodes* 52
garciai, *Eupodes* 46
ghardagae, *Eupodes* 46
gilvus, *Eupodes* 46
globosus, *Linopodes* 57
gracilipes, *Linopodes* 56
gracilongus, *Cocceupodes* 43
grahamensis, *Eupodes parvus* 49
halophila, *Eupodes variegatus* 51
haltica, *Eupodes* 45
haltica, *Megamerus* 45
hamatus, *Eupodes* 46
hawaiiensis, *Eupodes* 46
hiemalis, *Eupodes* 46
hjarthaliae, *Eupodes* 46
iconicus, *Eupodes* 46
indentatus, *Eupodes* 46
infirmus, *Eupodes* 46
inflatus, *Megamerus* 43
iwatensis, *Linopodes* 54
iwatensis, *Linopodes pubescens* 54
kochi, *Linopodes* 54
lapidarius *Ereynetes* 55

lapidarius, Neoprotereunetes 55

lapidarius, Protereunetes 55

laselvensis, Aethosolenia 40

leucomelas, Eupodes 46

lineatus, Eupodes 56

lineola, Eupodes 56

Linopodes 53

littoralis, Eupodes 47

longipes, Linopodes 56

longipes, Megamerus 43

longipilis, Eupodes 47

longisetatus, Eupodes 47

longisolenidiatus, Cocceupodes 42

lumbarus, Eupodes 48

lutatus, Eupodes 47

macropus, Eupodes 48

macropus, Linopodes 56

maculatus, Linopodes 56

marinus, Eupodes 47

mammouthia, Eupodes 56

mammouthia, Linopodes 56

melaleucus, Linopodes 56

Megamerus 44

melanurus, Eupodes 56

milvinus, Eupodes 48

minipilus, Eupodes 48

minutus, Protereunetes 48

minutus, Eupodes 48

mollicellus, Cocceupodes 43

mollicellus, Eupodes 43

momeni, Benoinyssus 41

momeni, Eupodes 41

motatorius, Acarus 54

motatorius, Gamasus 54

motatorius, Linopodes 54

najae, Benoinyssus 41

Neoprotereunetes 55

niloticus, Eupodes 48

Niveupodes 55

niveus, Niveupodes 55

obsoletus, Linopodes 54

ocellatus, Eupodes 48

ochrochlorus, Eupodes 56

oconnori, Benoinyssus 41

oedipus, Eupodes 49

okinoshimaensis, Eupodes 49

onoi, Eupodes 49

ornatus, Benoinyssus 41

ovalis, Megamerus 44

pallescens, Eupodes 56

paradoxus, Cocceupodes 52

paradoxus, Filieupodes 52

parafusifer, Eupodes 49

parvus, Eupodes 49

pasohensis, Eupodes 49

planiticus, Cocceupodes 43

porosus, Pseudeupodes 55

Pseudeupodes 55

pseudoclavifrons, Eupodes 49

pseudoclavifrons, Cocceupodes 49

pseudolumbarus, Eupodes 49

Pseudopenthaleus 56

pubescens, Linopodes 55

pusillus, Benoinyssus 41

pusillus, Eupodes 49

ravus, Linopodes 55

reticulatus, Caleupodes 42

riedli, Eupodes 49

riparius, Linopodes 56

roseus, Megamerus 44

rubiginosus, Linopodes 56

serratus, Benoinyssus 42

sharkiensis, Cocceupodes 53

sharkiensis, Filieupodes 53

shepardi, Cocceupodes 53

shepardi, Filieupodes 53

sigmoidensis, Eupodes 50

signatus, Eupodes 50

skiaaki, Eupodes 50

stellatus, Cocceupodes 43

strandtmanni, *Cocceupodes* 53
strandtmanni, *Filieupodes* 53
strandtmanni, *Eupodes* 50
strandtmanni, *Egypteupodes* 44
striola, *Eupodes* 50
subterraneus, *Linopodes* 56
tauricus, *Pseudopenthaleus* 56
temperatus, *Eupodes* 50
tottanfjella, *Eupodes* 50
trifasciatus, *Eupodes* 50
trisetatus, *Cocceupodes* 53
trisetatus, *Filieupodes* 53
tuberculatus, *Benoinyssus* 42

turgidus, *Echinoeupodes* 44
turgidus, *Prottereunetes* 44
unifasciatus, *Eupodes* 51
vallombrosae, *Eupodes* 51
variabilis, *Eupodes* 56
variegatus, *Eupodes* 51
versicolor, *Eupodes* 51
viridis, *Eupodes* 51
voxencollinus, *Eupodes* 51
winsnesi, *Eupodes* 52
wisei, *Eupodes* 52
Xerophiles 56
zaheri, *Eupodes* 52

Distribution of Eupodidae and Cocceupodidae

EUROPE

Austria (Irk, 1939; Willmann, 1951; Mihelčič, 1957, 1958; Schmölzer, 1962, 1993) – *Cocceupodes mollicellus*, *Eupodes pseudoclavifrons*, *E. variegatus*, *Linopodes motatorius*
Belgium (Cooreman, 1943) – *Claveupodes* sp., *Linopodes motatorius*
Bulgaria (Beron, 2011) – *Linopodes motatorius*
Croatia (Matočec, 2002) – *Linopodes motatorius*
Czech Rep. (Willmann, 1954) – *Eupodes* sp., *Linopodes motatorius*, [? *L. subterraneus* Wankel]
Denmark (Weis-Fogh, 1948; Haarløv, 1957; Hallas, 1978) – *Cocceupodes mollicellus*, *Eupodes berlesei*, *E. viridis*, *E. voxencollinus*, *Filieupodes paradoxus*
Greenland (Haarløv, 1942; Makarova, 2015) – *Cocceupodes breweri*, *C. mollicellus* (= *Eupodes clavifrons* R. Canestrini, 1886 = *Cocceupodes curticlava* Thor, 1934), *C. paradoxus*, *C. cf. stellatus*
Estonia (Thor & Willmann, 1941) – *Prottereunethes striatellus*
France (contin.)(Coineau, 1976) – *Eupodes strandtmanni*
Germany (C.L. Koch, 1835, 1838; Willmann, 1952; Strandtmann & Prasse, 1977) – *Benoinyssus ereynetoides*, *Claveupodes delicatus*, *Cocceupodes stellatus*, *Eupodes leucomelas*, *E. ocellatus*, *E. striola*, *E. signatus*, *E. trifasciatus*, *E. voxencollinus*, *Filieupodes trisetatus*, *Linopodes motatorius*, *L. ravus*, *Prottereunethes striatellus*
Great Britain (Hull, 1918; Evans, 1952; Turk & Turk, 1952; A. Baker, 1987) – *Caleupodes reticulatus*, *Claveupodes* sp., *Eupodes clavifrons*, *E. unifasciatus*, *E. variegatus*, *E. voxencollinus*, *Filieupodes paradoxus*, *Linopodes antennaeipes*, *L. motatorius*
Holland (Oudemans, 1906; Thor & Willmann, 1941) – *Eupodes milvinus*, *E. viridis*, *Prottereunethes striatellus*

- Hungary** (Dudich et al., 1940) – *Linopodes motatorius*
- Iceland** (Sellnick, 1940) – *Eupodes variegatus*, *Linopodes motatorius*
- Surtsey** (Lindroth, Andersson, Bödvarsson & Richter, 1973) – *Cocceupodes clavifrons*, *Eupodes hiemalis*, *E. variegatus*, *Linopodes motatorius*
- Ireland** (Halbert, 1915, 1920) – *Eupodes variegatus* var. *halophilus*
- Italy (contin.)**(Canestrini, 1886; Thor, 1934, Thor & Willmann, 1941; Bottazzi, 1950)
– *Cocceupodes mollicellus* (= *clavifrons*), *Eupodes fusifer*, *E. iconicus*, *E. milvinus*, *E. vallombrosae*, *E. variegatus*, *Linopodes antennaepes*, *L. eupodoides*, *L. motatorius*
- Sicily** (Berlese, 1923) – *Protereunetes agilis*
- Norway** (Thor, 1912, 1934a, 1934c; Thor & Willmann, 1941) – *Cocceupodes mollicellus* (= *curviclava*), *Eupodes pseudoclavifrons*, *E. decoloratus*, *E. hjartdaliae*, *E. skiaaki*, *E. variegatus*, *E. voxencollinus*, *Linopodes motatorius*
- Svalbard (Spitzbergen)**(Oudemans, 1926; Thor, 1934b, 1934c) – *Eupodes clavifrons*, *Protereunetes boernerii*
- Poland** (Jesionowska, 2005, 2006, 2007a, 2007b, 2008, 2010; Szudarek-Trepto, Kaźmierski, Dabert et al., 2020) – *Claveupodes* sp., *Cocceupodes longisolenidiatus*, *Filieupodes filiformis*, *F. filistellatus*, *Eupodes voxencollinus*, *Xerophiles ereynetoidalis*
- Romania** (Ivan et al., 2016) – *Eupodes* sp.
- Russia (cont.)**
- Crimea** (Khaustov, 2014, 2015, 2017) – *Echinoeupodes echinus*, *Pseudeupodes porosus*, *Pseudopenthaeus tauricus*
- Slovakia** (Jesionowska, 2003) - *Xerophiles ereynetoidalis*
- Spain (cont.)**(Mihelčič, 1958b; Santamaria et al., 2012) - *Cocceupodes* sp., *Benoinyssus ereynetoides*, *E. valombrosae*, *E. variegatus*, *Linopodes motatorius*
- Sweden** (Thor & Willmann, 1941; Sellnick, 1958) - *Eupodes milvinus*, *E. variegatus*
- Switzerland** (Haller, 1880; Schweizer, 1922; Cooreman, 1954, 1959, Schweizer & Bader, 1963) – *Eupodes berlesei*, *E. haltica*, *E. vallombrosae*, *Linopodes eupodoides*, *L. motatorius*

AFRICA

- Angola** (Meyer & Ryke, 1960; Olivier & Theron, 1997a, 1998) – *Benoinyssus celatus*, *B. ornatus*, *Eupodes parafusifer*
- Botswana** (Olivier & Theron, 1997a; 1998) - *Benoinyssus serratus*, *Eupodes minipulus*
- Cabo Verde** (Olivier & Theron, 1998) - *Eupodes minipulus*
- Egypt** (Trägårdh, 1904; Abou-Awad, 1984: 333; Abou-Awad & El-Bagouri, 1984, 1986; Abou-Awad, El-Sawaf & Abdel-Khalek, 2006) – *Benoinyssus momenii*, *Cocceupodes sharkiensis*, *Filieupodes aegyptiacus*, *F. strandtmanni*, *Eupodes bakeri*, *E. momenii*, *E. niloticus*, *E. strandtmanni*, *E. temperatus*, *E. zaheri*, *Linopodes barnufi*, *L. curtipes*
- Ivory Coast** - *Eupodes sigmoidensis*
- Namibia** (Olivier & Theron, 1997a) - *Benoinyssus serratus*
- Rwanda** (Fain, 1958, 1959) – *Benoinyssus najae*

South Africa (Thor, 1934c; Meyer & Ryke, 1960; Olivier & Theron, 1997a, 1997b, 1998, 2003) – *Benoinyssus falcatus*, *B. ornatus*, *B. pusillus*, *B. serratus*, *C. gracilongus*, *Eupodes acanthus*, *E. fusiferellus*, *E. hamatus*, *E. indentatus*, *E. lutatus*, *E. minipilus*, *E. parafusifer*, *E. variegatus*, *Filieupodes fusiformis*

Swaziland (Olivier & Theron, 1997a) – *Benoinyssus ornatus*, *B. serratus*

Zimbabwe (Olivier & Theron, 1998) – *Eupodes minipulus*

“East Africa” (Berlese, 1916) – “*Linopodes agitatorius*”

ASIA

China (Hagstrum et al., 2013) – *Eupodes voxencollinus*

India (Ghosh & Gupta, 2003; Gupta et al., 2004, Indranil et al., 2011) – *Eupodes sigmoidensis*

Indonesia (Corpuz-Raros, 2005) – *Eupodes pusillus* [Java]

Iran (Darbemamieh, Hajiqanbar & Khanjani, 2013) – *Benoinyssus* sp., *Claveupodes* sp., *Cocceupodes* sp., *Eupodes crozetensis*, *E. sigmoidensis*, *E. voxencollinus*, *Linopodes antennaepes*, *L. cameronensis*

Israel and Palestina (Lipkin & Safriel, 1971) – *Eupodes variegatus* var. *halophila*

Japan (Karsch, 1881; Morikawa, 1963; Shiba, 1969a, 1969c, 1971, 1978) – *Cocceupodes communis*, *Echinoeupodes turgidus*, *Eupodes cordiformis*, *E. infirmus*, *E. longisetatus*, *E. okinoshimaensis*, *Linopodes iwatensis*, *L. pubescens*, *Prottereunetes perforates*, *P. villosus*, *Pseudopenthaeus ciliatus*

Malaysia (Shiba, 1976) – *Eupodes berensis*, *E. lumbarus*, *E. onoi*, *E. pasohensis*, *E. pusillus*, *E. pseudolumbarus*, *Linopodes cameronensis*

Philippines (Corpuz-Raros, 2005) – *Eupodes callejae*, *E. garciai*, *E. onoi*, *E. pusillus*, *E. pseudolumbarus*

Singapore (Corpuz-Raros, 2005) – *Eupodes onoi*

United Arab Emirates (Negm, 2014) – *Eupodes* sp.

Uzbekistan (Barilo, 1991; Khaustov, 2016) – *Niveupodes nivalis*

Yemen (Ueckermann et al., 2006) – *Eupodes* sp.

NORTH AMERICA

Canada (Miller, 1925; Behan, 1978; Moseley, 2007; Beaulieu et al., 2019 – 13 sp.) – *Eupodes voxencollinus*, *Linopodes antennaepes*

Mexico (Baker, 1945) – *Benoinyssus tuberculatus*

USA (Banks, 1894; 1896; 1897, 1907; 1916; Miller, 1925; Thor, 1934) – *Eupodes brevipes*, *E. marinus*, *Linopodes antennaepes*

Alaska (Strandtmann, 1971) – *Cocceupodes breweri*, *Eupodes alaskanensis*, *E. voxencollinus*, *Filieupodes shepardii*, *Prottereunetes boernerii*

Hawaii (Strandtmann & Goff, 1978) – *Eupodes hawaiiensis*, *E. sigmoidensis*, *E. voxencollinus*

SOUTH and CENTRAL AMERICA

Argentina (Bedano, 2004) – 1 sp.

Brazil (Bizarro et al., 2020) – *Benoinyssus oconnori*

Costa Rica (Baker & Lindquist, 2002) – *Aethosolenia laselvensis*

OCEANIA

Australia (continent)(Clancy, 1981) - *Linopodes* sp.

New Zealand (Spain & Luxton, 1971; Martin, 1983; Luxton, 1990) – *Claveupodes delicatulus*, *Linopodes* spp., *Eupodes minutus*,

Campbell Island (Strandtmann, 1964) - *Eupodes longisetatus*

Macquarie Island (Womersley, 1937; Luxton, 1990) – *Eupodes minutus*

ANTARCTICA

Antarctic Continent (Strandtmann & Womersley, 1963; Strandtmann, 1967; Strandtmann & Davies, 1972; Gless, 1972; Strandtmann & Sømme, 1977; Marshall & Pugh, 1996; Llano & Gless, 2013) – *Eupodes angardi*, *E. winsnesi*, *E. wisei*

South Georgia (Strandtmann, 1970) – *Eupodes minutus*

South-Orkney-Islands (Booth, Edwards & Usher, 1985) – *Eupodes exiguus*, *E. parvus*

South Shetland Islands (Strandtmann & Tilbrook, 1968) – *Cocceupodes australis*

SUB-ANTARCTIC

Crozet Islands (Strandtmann & Davies, 1972) – *Eupodes crozetensis*, *E. riedli*, Possession I.

Bibliography of Eupodidae and Cocceupodidae

- Abdelgayed S. A., N. M Abd El-Wahed, A. M. Ali, S. Eraky. 2019. Species Composition and Diversity of Mites Inhabiting Pomegranate Orchards at Assiut, Upper Egypt. - *Acarines*, **13**: 29-36.
- Abou-Awad B. A. 1984. The eupodid mites of Egypt (Acari: Eupodoidea: Eupodidae). – *Acarologia*, **25**(4): 329 – 335.
- Abou-Awad B.E., M.E. El-Bagouri. 1984. Two new species of genus *Cocceupodes* in Egypt (Acari: Eupodoidea: Eupodidae). - *Bull. Zool. Soc. Egypt*, **34**: 68-75.
- Abou-Awad B.E., B.M. El-Sawaf, A.A. Abdel-Khalek. 2006. Four new species of eupodid mites from Egypt (Acari: Eupodoidea: Eupodidae). - *Acarologia* (Paris), **46**(1-2): 43 – 52.
- Abou-Awad B.A., El-Sawaf, B.M. Hassan, M.M. Abdel-Khalek. 2008. Comparative morphological and biological studies of two Eupodid Mites: *Benoinyssus Momeni* and *Eupodes Bakeri*. – *Acarologia*, **48**(1-2): 47 – 54.
- Baker A.S. 1985. A note on Claparède organs in larvae of the superfamily Eupodoidea (Acari: Acariformes). - *Journal of Natural History*, **19**: 739-744.
- Baker A.S. 1987. *Caleupodes*, a new genus of eupodoid mite (Acari: Acariformes) showing primary opisthosomal segmentation. – *Bull. British Museum (Natural History)*(Zool-ogy), **53**(2): 103 – 113.

- Baker A.S. 1990. A survey of external morphology of mites of the superfamily Eupodoidea Banks, 1894 (Acari: Acariformes). – J. Nat. Hist., **24**: 1227–1261.
- Baker A.S. 1996. On the status of some species of Eupodoidea (Acariformes: Prostigmata) represented in the Berlese Acaroteca. In: Mitchell, R., D. J. Horn, G. R. Needham & W. C. Welbourn (eds) Acarology IX vol. 1. Proceedings pp. 373–375. Ohio Biological Survey: Columbus (Ohio).
- Baker A.S., E.E. Lindquist. 2002. *Aethosolvenia laselvensis* gen. nov., sp. nov., a new eupodid mite from Costa Rica (Acari: Prostigmata). – Syst. & Applied Acarology Special Publications, **11**: 1–11.
- Banks N. 1894. Some new American Acarina. – Transactions of the American Entomological Society (Philadelphia), **21**: 209–229.
- Banks N. 1896. New North American spiders and mites. – Transactions of the American Entomological Society (Philadelphia), **23**: 57–77.
- Banks N. 1916. New Californian Mites. – J. Ent. and Zool., **8**: 12–16.
- Barilo A.B. 1991. A new genus and a new species in the family Eupodidae (Acariformes) from Central Asia. – Zoologicheskij Zhurnal, **70**(10): 140.
- Beaulieu et al. 2019. Acari of Canada. – ZooKeys, **819**: 77–168.
- Bedano J.C. 2004. Soil prostigmatid mites (Acari: Prostigmata) of Argentina: an annotated checklist. – Systematic and Applied Acarology, **9**: 45–52.
- Behan V.M. 1978. Diversity, distribution and feeding habits of North American arctic soil Acari. PhD thesis, McGill University, Montreal.
- Berlese A. 1886. Note relative agli Acari, Myriapodi e Scorpioni Italiani. Note al Fascicoli XXI–XXX, Fascicolo IV, Padova.
- Berlese A. 1916. Centuria terza di Acari nuovi. – Redia, **12**: 289–338.
- Beron P. 2011. Checklist and Bibliography of the fauna of Acari (Arachnida) in Bulgaria. Prof. Marin Drinov Acad. Publ. House, 129 pp.
- Bizarro Gabriel Lima, W. B. Wurlitzer, E. Pessoa, J. Britto, Liana Johann, N. J. Ferla. 2020. Two new species (Acari: Tydeidae: Eupodidae) from Mato Grosso, Brazil. – International Journal of Acarology, **46**(7): 1–6.
- Booth R.G., M. Edwards, M.B. Usher. 1985. Mites of the genus *Eupodes* (Acari, Prostigmata) from maritime Antarctica: a biometrical and taxonomic study. – J. Zool. Lond., (A), **207**: 381–406.
- Bottazzi E. 1950. Primo contributo alla fauna de Trombidiformes (Acari) de Parmense. – Monit. Zool. Ital., **58**: 28–44.
- Call R. E. 1897. Some notes on the flora and fauna of the Mammoth Cave, Ky. – The American Naturalist, **31**: 377–393.
- Canestrini R. 1884. Acari nuovi o poco noti. – Atti del Reale Istituto Veneto di Scienze, Lettere ed Arti, (Series 6) **2**: 693–724.
- Canestrini R. 1886. Prospetto dell'acarofauna Italiana. Famiglia degli Eupodini. Atti del Reale Istituto Veneto di Scienze, Lettere ed Arti (Series 6), **4**: 693–734.
- Canestrini G., F. Fanzago. 1877. Intorno agli Acari Italiani. – Atti del Reale Istituto Veneto di Scienze, Lettere ed Arti, Serie 5, **4**: 69–208.

- Clancy G. 1981. Observations of mites associated with the low yielding crops of cultivated *Agaricus bisporus* in Australia. – Mushroom Science, **11**: 233 – 244 (as *Linopodes antennaeipes*).
- Coineau Y. 1976. La premiere prelarve connue du genre *Eupodes*. *Eupodes strandtmanni* n.sp. – Acarologia, **18**(1): 56 – 64.
- Cooreman J. 1943. Note sur la faune des Hautes-Fagnes en Belgique (1). XII Acariens (Trombidiformes)(2). – Bull. Mus. R. d'Hist. nat. de Belgique, **19**(64): 1 – 16.
- Cooreman J. 1954. Notes sur quelques Acariens de la faune cavernicole. – Inst. R. Sci. Nat. de Belgique, **30**(34): 1 – 19.
- Cooreman J. 1959. Notes sur quelques Acariens de la faune cavernicole (2me serie). – Inst. R. Sci. Nat. de Belgique, **35**(34): 1 – 40.
- Corpuz-Raros L. A. 2005. Some species of *Eupodes* Koch (Acari: Actinedida: Eupodidae) from the Philippines, including records of two species from Java, Indonesia and Singapore. – Asia Life Sciences, **14**(2): 133 – 145.
- Darbemamieh M., H. Hajiqanbar, M. Khanjani. 2013. A checklist of Iranian Eupodoidea (Acari: Prostigmata). – Journal of Crop Protection, **2**(4): 453-460.
- Dudich E., G. Kolosváry, L. Szalay. 1940. Bars vármegye pókszabású (Arachnoidea -) faunájának alapvetése. – A matematikai és természettudományi közlemények, **38**(3): 3 – 71.
- Dugès A. 1834. Recherches sur l'ordre des Acariens. – Ann. Sci. Nat., Zoologie. Ser.2, **2**: 18 – 63.
- Evans G.O. 1952. Terrestrial Acari new to Britain. – II. – Ann. Mag. Nat. Hist., ser.12, **5**: 661 – 675.
- Fain A. 1958. Un nouvel acarien Trombidiforme parasitant les fosses nasale d'un Serpent au Ruanda-Urundi. – Rev. Zool. Bot. Afr., **57**(1-2): 177 – 183.
- Fain A. 1959. L'organe rhagidial chez *Benoinyssus najae* Fain. – Bull. Ann. Soc. Roy. Ent. Belg., **95**(11-12): 358 – 359.
- Fain A., A.M. Camerik. 1994. Notes on the mites of the genus *Ereynetes* Berlese (Acari: Ereynetinae), with description of five new species from South Africa - Bulletin de l'Institut Royal des Sciences Naturelles de Belgique Entomologie, **64**: 145 -164
- Franz H. 1954. Die Nordostalpen im Spiegel ihrer Landtierwelt, eine Gebietsmonographie. – Innsbruck, Bd. I, 664 p.
- Ghosh Sh., S.K. Gupta. 2003. A report on mites occurring on medicinal plants in West Bengal. – Rec. zool. Surv. India, **101**(3-4): 287-298.
- Gless Elmer Elden. 1968. Life cycle studies of some Antarctic mites and description of a new species, *Protereunetes paulinae* sp. n. (Acari: Eupodidae). Retrospective Theses and Dissertations. 3471. <https://lib.dr.iastate.edu/rtd/3471>
- Goff M. Lee. 1987. A Catalog of Acari of the Hawaiian Islands. – Research Extension Series, 075, 75 pp.
- Gupta S.K. 2002. Monograph on Plant Inhabiting Predatory Mites of India---Orders: Prostigmata, Astigmata and Cryptostigmata (1). – Memoirs of the Zoological Survey of India, **19**, 2:
- Gupta S.K., S. Ghoshal, A. Choudhury, B. Mukherjee. 2004. Phytophagous and predatory mite fauna of Sundarbans Biosphere Reserve: II. Some predatory mites occurring on mangrove vegetation and agri-horticultural crops. – Rec. zool. Surv. India, **103**(3-4): 33-45.

- Haarløv N. 1942. A morphologic-systematic-ecological investigation of Acarina and other representatives of the microfauna of the soil around Mørkefjord, Northeast Greenland. – Medd. Greenland, **128**: 1 – 71.
- Haarløv N. 1957. Miroarthropods from Danish soils. – Spolia Zool. Mus. Hauniensis, **17**: 60 pp.
- Haarløv N. 1960. Miroarthropods from Danish soils. Ecology, Phenology. – Oikos suppl. 3: 176 pp.
- Halbert J.N. 1915. Clare Island Survey. 39. Acaridida. Section II. Terrestrial and marine Acarina. – Proc. R. Irish Acad., **31**(2): 45 – 136.
- Halbert J.N. 1920. The Acarina of the seashore. – Proc. R. Irish Acad., **35B**(7): 106 – 152.
- Hallas Th.E. 1978. Fortegnelse over danske mider (Acari). – Ent. Meddr., **46**: 27 – 45.
- Haller G. 1880. Die Milben als Parasiten der Wirbellosen, insbesondere Arthropoden. – Halle.
- Halliday B. 1998. Mites of Australia. A Checklist and Bibliography. Series Monographs on invertebrate taxonomy, vol.5: 317 pp.
- Hull J.E. 1918. Terrestrial Acari of Tyne Province. – Trans. Nat. Hist. Soc. Northumb. (N.S.): **5**(1): 13 – 88.
- Indranil R., G. Aditya, S.K. Gupta, G.K Saha. 2011. An Annotated report of mites infesting medicinal plants. – J. of the Bombay Nat. Hist. Soc., **108**(2): 145.
- Irk V. 1939. Die terricolen Acari der Ötztaler und Stubai Hochalpen. – Ver. Mus. Ferdinandeum in Innsbroek, **19**: 145 – 190.
- Ivan O., A. Calugar, A.L. Chiriliuc, I.D. Andriescu. 2016. Species of predatory mites (Arachnida, Acari) associated with the plant *Tanacetum vulgare* (L.) (Asterales, Asteraceae) in the North-East of Romania. - Analele Științifice ale Universității 'Al I Cuza' din Iași. (Serie Nouă) Secțiunea I Biologie Animală, **62**: 5-12
- Jablonowski J. 1918. Acarina. In: Fauna Regni Hungariae, Budapest: 1-5.
- Jesionowska K. 1991. Morphology of the Eupodidae (Actinotrichida, Actinedida, Eupodoidea). In: Dusbábek, F., & V. Bukva (eds) Modern Acarology: Proceedings of the VIII International Congress of Acarology, held in České Budějovice, Czechoslovakia, 6–11 August 1990 vol. 2 pp. 265–278. SPB Academic Publishing: The Hague.
- Jesionowska K. 2002. Morfologia szczecin niektórych przedstawicieli roztoczy z rodziny Eupodidae (Actinotrichida, Actinedida, Eupodoidea) z Polski. [Setal morphology in some representatives of the family Eupodidae.] - Zeszyty Naukowe Uniwersytetu Szczecińskiego Nr **348**. Acta Biologica 9: 31–45. (In Polish).
- Jesionowska K. 2003a. *Xerophiles ereynetoidalis*, a new mite genus and species of the family Eupodidae (Actinotrichida, Actinedida, Eupodoidea) from Poland. - Acta biologica cracoviensia, Series Zoologia, **45**: 11-18.
- Jesionowska K. 2003b. Chetotaksia tarsi i tibiae u przedstawicieli gatunku *Eupodes voxencollinus* Thor, 1934 (Acari, Prostigmata, Eupodidae) z Puszczy Bukowej. - Zeszyty Naukowe Uniwersytetu Szczecińskiego Nr 374; Acta Biologica Nr **10**: 135-145.
- Jesionowska K. 2005. Morfologia *Cocceupodes mollicellus* Koch, 1838 (Actinotrichida, Actinedida, Eupodidae) z Polski. - Zeszyty Naukowe Uniwersytetu Szczecińskiego Nr 411, Acta Biologica, **12**: 35-48 (in Polish).

- Jesionowska K. 2006. Chetotaksia tarsi i tibiae u przedstawicieli gatunku *Cocceupodes mollicellus* Koch, 1838 (Actinotrichida, Actinedida, Eupodoidea) z Pomorza Zachodniego. – Zeszyty Naukowe Uniwersytetu Szczecińskiego Nr 449, Acta Biologica, **13**: 123-136 (in Polish).
- Jesionowska K. 2007a. Chetotaksia genua, femora and trochanteris u przedstawicieli gatunku *Cocceupodes mollicellus* Koch, 1838 (Actinotrichida, Actinedida, Eupodoidea) z Pomorza Zachodniego. – Zeszyty Naukowe Uniwersytetu Szczecińskiego Nr 503, Acta Biologica, **14**: 135-144 (in Polish).
- Jesionowska K. 2007b. *Cocceupodes longisolenidiatus*, a new mite species of the family Eupodidae (Actinotrichida: Actinedida: Eupodoidea) from Poland. – Ann. Zool., Warszawa, **57**: 351-361.
- Jesionowska K. 2008. Eupodoidea (Acari, Prostigmata). In: Bogdanowicz W., Chudzicka E., Pilipiuk et Skibińska E. (eds). Fauna Polski: charakterystyka i wykaz gatunków. [Fauna of Poland: characteristics and checklist of species]. Vol. 3. Museum i Instytut Zoologii PAN, Warszawa, (in Polish with English abstracts), 177-188, 220-221 pp.
- Jesionowska K. 2010. Cocceupodidae, a new family of eupodoid mites, with description of a new genus and two new species from Poland. Part I. (Acari: Prostigmata: Eupodoidea). – Genus, **21**(4): 637-658.
- Karsch F. 1881. Diagnoses Arachnoidarum Japoniae. – Berliner Entomologische Zeitschrift, **25**(1): 35 – 40.
- Kethley J. 1982. In Parker S.P. (Ed.). Synopsis and classification of living organisms 2. New York, Mc.Graw-Hill, 121 – 122.
- Khaustov A.A. 2014. A new genus and species in the mite family Eupodidae (Acari, Eupodoidea) from Crimea. – ZooKeys, **422**: 11 – 22.
- Khaustov A.A. 2015. A new genus of the family Eupodidae (Acari: Eupodoidea) with the description of a new species from Crimea. – Systematic and Applied Acarology, **20**(8): 927-936.
- Khaustov A.A. 2016. Rediagnosis of the genus *Niveupodes* Barilo, 1991 (Acari: Eupodidae) with the redescription of *Niveupodes niveus* Barilo. – International Journal of Acarology, **42**(5): 258 – 264.
- Khaustov A.A. 2017. A new genus and species of Eupodidae (Acari: Eupodoidea) from mosses in Crimea. – Acarina, **25**(1): 29-44.
- Koch C.L. 1835. Deutschlands Crustaceen, Myriapoden und Arachniden. – Fasc. 1, 14. Regensburg.
- Koch C.L. 1836. Deutschlands Crustaceen, Myriapoden und Arachniden.- Regensburg.
- Koch C.L. 1838. Deutschlands Crustaceen, Myriapoden und Arachniden.- Regensburg. Heft 20: 1-24, 24 pis.
- Koch C.L. 1842. Übersicht des Arachnidensystems. Nürnberg. H.3: 60 – 72.
- Lindroth C.H., H. Andersson, H. Böldvarsson, S.H. Richter. 1973. Surtsey, Iceland. The Development of a New Fauna, 1963-1970 Terrestrial Invertebrates. – Entomologica Scandinavica, Suppl. 5, Munksgaard, Copenhagen. Eupodoidea and Bdelloidea on p. 125 – 129.

- Lipkin Y., U. Safriel. 1971. Intertidal zonation on rocky shores at Mikhmoret (Mediterranean, Israel). - Journal of Ecology, **59**(1): 1-30.
- Llano G.A., E.E. Gless. 2013. Life cycle studies of some Antarctic mites and description of a new species, *Protereunetes Paulinae* (Acari: Eupodidae). - Antarctic Research, **20**.
- Luxton M. 1990. The marine littoral mites of the New Zealand region. - Journal of the Royal Society of New Zealand, **20**(4): 367 - 418.
- Macfadyen A. 1954. The invertebrate fauna of Jan Mayen Island (East Greenland). - Journal of Animal Ecology, **23**(2): 261 - 297.
- Makarova O. 2015. The Fauna of Free-Living Mites (Acari) of Greenland. - Entomological Review, **95**(1): 108 - 125. Orig. text in Zool. Journal, 2014, **93**(12): 1404 - 1419 (in Russian).
- Marshall D.J., Ph. J.A. Pugh. 1996. Origin of the inland Acari of Continental Antarctica, with particular reference to Dronning Maud Land. - Zoological J. of the Linnean Society, **118**: 101 - 118.
- Martin N.A. 1983. Miscellaneous observations on a pasture fauna: An annotated list. DSIR Entomology Division report No3: 1 - 98.
- Matošec S.G. 2002. An overview of the cave and interstitial biota of Croatia. - Natura Croatica, 11 Suppl., Zagreb.
- Meyer M. K. P., A. J. Ryke. 1960. Mites of the superfamily Eupodoidea (Acarina: Prostigmata) associated with South African plants. - South African Journal of agricultural Sciences, **3**(4): 481 - 496.
- Mihelčič F. 1958a. Milben (Acarina) aus Tirol und Voralberg. - Veroff. Mus. Ferdinandeum, Innsbruck, **37**, 1957: 99 - 120.
- Mihelčič F. 1958b. Prostigmata Südeuropas (Spanien). - Eos, Madrid, **34**(3): 269 - 290.
- Miller A.E. 1925. An introductory study of the Acarina, or mites, of Ohio. - Bulletin of the Ohio Agricultural Experiment Station, **386**: 85 - 172.
- Morikawa K. 1963. Terrestrial prostigmatic mites from Japan I. Some new species of Eupodidae and Rhagidiidae. - Acta arachnol., **18**: 13 - 20.
- Mortimer E., B. Jansen van Vuuren. 2007. Phylogeography of *Eupodes minutus* (Acari: Prostigmata) on sub-Antarctic Marion Island reflects the impact of historical events. - Polar Biology, **36**(4): 471 - 476.
- Moseley M. 2007. Acadian biospeleology: composition and ecology of cave fauna of Nova Scotia and southern New Brunswick, Canada. - International Journal of Speleology, **36**: 1-21.
- Murray A. 1877. Economic Entomology, Aptera. South Kensington Museum, Science, Handbooks, 8.
- Negm 2014. Increasing knowledge on the mite fauna of the United Arab Emirates: new records and a checklist. - Acarologia, **54**(1): 113-120.
- Olivier P.A.S., P.D. Theron. 1997a. The genus *Benoinyssus* Fain (Acari: Eupodidae) from Southern Africa, with descriptions of five new species. - African Entomology, **5**(2): 301 - 318.
- Olivier P.A.S., P.D. Theron. 1997b. The genus *Eupodes* Koch, 1835 (Acari: Prostigmata: Eupodidae) from southern African soil and vegetation. Part 1. Characterisation of the genus, designation of type species and descriptions of three new species. - Koedoe, **40**(2): 57 - 73.

- Olivier P.A.S., P.D. Theron. 1998. The genus *Eupodes* Koch (Acari: Prostigmata: Eupodidae) from southern Africa with a redescription of *E. parafusifer* Meyer & Ryke and descriptions of two new species. – African Entomology, **6**(2): 275 – 288.
- Olivier P.A.S., P.D. Theron. 2003. Descriptions of two new species of the genus *Cocceupodes* Thor, 1934 (Eupodidae), and a checklist of southern African Eupodoidea. – African Entomol., **11**: 163 – 171.
- Oudemans A.C. 1902. Notes on Acari Sixth Series. – Tijdskr. V. Entom., **46**: 1 – 24.
- Oudemans A.C. 1906. Acarologische Aanteekeningen XXIII. – Ent. Ber., Amst., **2**, **29**: 81 – 88.
- Oudemans A.C. 1926. Acari von Svalbard (früher “Spitzbergen”). – Archiv f. Naturgeschichte, **92**, Abt. A, 5: 106 – 127.
- Oudemans A.C. 1937. Kritisch Hirtorisch Overzicht der Acarologie. Derde Gedeelte 1805-1850, Band C.
- Qin T.K. 1996. A review and cladistic analysis of Eupodoidea (Acari: Prostigmata). – Syst. & Appl. Acarol., **1**: 77-105.
- Qin Ting-Kui. 1998. A checklist and key to species of Eupodoidea (Acari: Prostigmata) from Australia and New Zealand and their subantarctic islands. – J. of the Royal Society of New Zealand, **28**(2): 295 – 307.
- Santamaría J.M., M. L. Moraza, D. Elustondo, E. Baquero, R. Jordana, E. Lasheras, R. Bermejo, A. H. Ariño. 2012. Diversity of Acari and Collembola along a pollution gradient in soils of a pre-pyrenean forest ecosystem. – Environmental Engineering and Management Journal, **11**(6): 1159 -1169.
- Schmölzer K. 1962. Die Kleintierwelt der Nunatakker als Zeugen einer Eiszeitüberdauerung. – Mitt. Zool. Mus. Berlin, **38**(2): 171 – 400.
- Schmölzer K. 1993. Die hochalpinen Landmilben der östlichen Brennerberge (Acarina terrestria). – Ver. des Museum Ferdinandeum, **73**: 47 – 67.
- Schuster R. 1965. Faunistische Studien am Roten Meer (im Winter 1961/62) Teil 1. Litoralbewohnende Arthropoden terrestrischer Herkunft. – Zoologische Jahrbücher, Abt. für Systematik, Ökologie und Geographie der Tiere, **92**: 330.
- Schweizer J. 1922. Beitrag zur Kenntnis der terrestrischen Milbenfauna der Schweiz. – Verhdl. Naturf. Ges. Basel, **33**: 23 – 112.
- Schweizer J., C. Bader. 1963. Die Landmilben der Schweiz (Mittelland, Jura und Alpen) -Trombidiformes Reuter. – Denkschr. schweiz. naturf. Ges., **84**: 209 -378.
- Sellnick M. 1940. Die Milbenfauna Islands. – Göteborgs Kungl. Vetenskaps- och Vitterhets-Samhälles Handlingar, ser. B, **6**(14): 129 pp.
- Sellnick M. 1958. Untersuchungen über die “Bollnäser Krankheit” I. Milben aus landwirtschaftlichen Betrieben Nordschwedens. – Medd. Växtskyddanst. Stockh. **11**, **71** - **72**: 9 – 59.
- Shiba M. 1969a. On some mites from “Tatami” (Japanese rice straw matting). – Rep. Res. Matsuyama Shinonome Junior College, **4**(1): 147 - 170.
- Shiba M. 1969b. Results of the Speleological Survey in South Korea 1966. XVI. Prostigmatid mites (Acarina) from South Korea. – Bull. Nat. Sci. Mus. Tokyo, **12**: 607-613.

- Shiba M. 1969c. Taxonomic investigations on free-living mites in the subalpine forest on Shiga Heights IBP area II. Prostigmata. - Bull. natn. Sci. Mus., **12**: 65-115.
- Shiba M. 1976. Taxonomic investigation on free-living Prostigmata from the Malay Peninsula. - Nature and Life in Southeast Asia, **7**: 83 – 229.
- Shiba M. 1971. The fauna of Lava Caves around Mt. Fuji-san III. Prostigmata (Acari). - Bull. Nat. Sci. Mus. Tokyo, **14**(2): 221-229.
- Shiba M. 1978. On some eupodiform mites from Japan (Acarina: Prostigmata). – Reports of Research Matsuyama Shinonome Jr. col., **4**(1): 133 – 152.
- Spain A.V., M. Luxton. 1971. Catalog and Bibliography of the Acari of the New Zealand Sub-region. – Pacific Insects Monograph, **25**: 179 – 226.
- Strandtmann R.W. 1964. Insects of Campbell Island. Prostigmata: Eupodidae, Penthelodidae, Rhagidiidae, Nanorchestidae, Tydeidae, Ereynetidae. – Pacific Insects Monograph **7**: 148 – 165.
- Strandtmann R.W. 1967. Terrestrial Prostigmata (Trombidiform mites). – Antarct. Res. Ser., Washington, **10**: 51 – 80.
- Strandtmann R. W. 1970. Acarina: Eupodiform Prostigmata of South Georgia. – Pacific Insects Monograph, **23**: 89 – 106.
- Strandtmann R. W. 1971. The eupodoid mites of Alaska (Acarina: Prostigmata). – Pacific Insects, **13**(1): 75 – 118.
- Strandtmann, R. W., L. Davies. 1972. Eupodiform mites from Possession Island, Crozet Islands, with a key to the species of *Eupodes* (Acarina : Prostigmata). Pacific Insects, **14**(1): 39-56.
- Strandtmann R. W., M.L. Goff. 1978. The Eupodoidea of Hawaii (Acarina: Prostigmata). – Pacific Insects, **19**(3-4): 121 – 143.
- Strandtmann R. W., J. Prasse. 1977. Prostigmatic mites from the experimental farm in Etzsdorf/Saalkreis, G. D. R. – Abhandl. Ber. Naturk. Görlitz, **50**(2): 1 – 36.
- Strandtmann R. W., L. Sømme. 1977. Prostigmatid mites (Acari, Prostigmata) from Sverdrupfjella, Dronning Maud Land, with description of four new species. – Norw. J. Ent., **24**: 137 – 146.
- Strandtmann R. W., P.J. Tilbrook. 1968. Some Prostigmata (Acari) from Signy Island, South Orkney Islands, and Deception Island, South Shetlands Islands. – Br. Antarct. Survey Bull., **17**: 51-57.
- Szudarek-Trepto N., A. Kaźmierski, M. Dabert, et al. 2020. Molecular phylogeny of Eupodidae reveals that the family Cocceupodidae (Actinotrichida; Eupodoidea) and its genus *Filieupodes* are valid taxa. – Exp. Appl. Acarol., **80**: 43–57. <https://doi.org/10.1007/s10493-019-00455-4>
- Thor S. 1902. Zur Systematik der Acarien Familien Bdellidae Koch, 1842, Grube, 1859, Eupodidae Koch, 1842 und Cunaxidae Sig Thor, 1902. – Verh. zool.-bot. Ges. Wien: 159 – 165.
- Thor S. 1912. Verzeichnis der in Norwegen gefundenen Eupodidae I. Erste Sammlung. – Zool. Anz., **39**(5-6): 235 - 237.

- Thor S. 1933. Über die prostigmatische Familie: Eupodidae C.L. Koch 1842 und über die Teilung dieser Familie, mit Definitionen der neuen Familien. – Zool. Anz., **101**(9/10): 271 – 277.
- Thor S. 1934a. Einzelne neue, besonders norwegische *Eupodes*-Arten mit einigen älteren Arten verglichen. – Zool. Anz., **105**: 201 – 215.
- Thor S. 1934b. Neue Beiträge zur Kenntnis der invertebraten Fauna von Svalbard. – Zool. Anz., **107**: 115–139.
- Thor S. 1934c. Eine neue *Eupodes*-Art von Südafrika und eine neue *Cocceupodes*-Art von Norwegen. – Zool. Anz., **108**(7/8): 178 – 179.
- Thor S., C. Willmann. 1941. Acarina. Eupodidae, Penthalodidae, Penthaleidae, Rhagidiidae, Pachygnathidae, Cunaxidae. – Das Tierreich, **71a**, 186 pp.
- Trägårdh I. 1904. Acariden aus Ägypten und dem Sudan. Zugleich ein Beitrag zur Kenntnis der Entwicklungsgeschichte der Gattungen *Phytoptipalpus*, *Pimeliaphilus*, *Pterygosoma* und *Podapolipus*. – Results of the Swedish Zoological Expedition to Egypt and the White Nile 1901 under the Direction of L. A. Jägerskiöld, **20**(1): 124 pp.
- Trägårdh I. 1910. Acariden aus dem Sarekgebirge. – Naturwissenschaftliche Untersuchungen des Sarekgebirges im Schwedisch Lappland geleitet von Dr. Axel Hamberg, Akad. Avhandl. Stockholm.
- Türk F.A., S.M. Türk. 1952. Studies of Acari – 7th Series: “Records and descriptions of mites new to the British fauna, together with short notes on the biology of sundry species”. – Annals and Magazine of Natural History, 12th Series, **5**(53): 475 – 506.
- Ueckermann E.A., A. van Harten, M. K. P. Smith Meyer. 2006. The mites and ticks (Acari) of Yemen: an annotated check-list. – Fauna of Arabia, **22**: 243 – 286.
- Wankel 1861. Beiträge zur österreichischen Grotten-Fauna. – Sitzungsberichte der kaiserlichen Akademie der Wissenschaften. Mathematische naturwissenschaftliche Klasse, Wien, **43**: 251 – 264.
- Walckenaer C. A. 1847. Histoire naturelle des Insectes. Aptères. Paris, **4**: 1-623
- Weis-Fogh T. 1948. Ecological investigations on mites and collembolans in the soil. – Natura Jutlandica, **1**: 135 – 270.
- Weinstein B.A. 1978. Family Eupodidae, Penthalodidae, Penthaleidae, Rhagidiidae. In: M.S. Gyljarov (Ed.). Opredelitel obitayushchih v pochve kleshchey. Trombidiformes. Ed. “Nauka”, Moskva, 110 – 112.
- Willmann C. 1939. Die Moorfauna des Glatzer Schneebergmoore. – Beitr. Biol. Glatzer Schneeberges, Breslau, **5**: 427- 458.
- Willmann C. 1951. Die hochalpine Milbenfauna der mittlern Hohen Tauern ins besondere des Grossglockner-Gebietes (Acari). – Bonn. Zool. Beitr., **2**(1-2): 141 – 176.
- Willmann C. 1952. Die Milbenfauna der Nordseeinsel Wangerooge. – Veröff. Inst. Meeresf. Bremenhaven, **1**: 139 – 186.
- Willmann C. 1954. Mährische Acari hauptsächlich aus dem Gebiete des mährischen Karstes. – Čsl. Parasit., **1**: 213-272.

Womersley H. 1937. Acarina. Scientific Reports of the Australasian Antarctic Expedition, 1911-1914, Series C **10**: 1-24.

Womersley H., R. W. Strandtmann. 1963. On some free-living prostigmatic mites of Antarctica. - Pacif. Insects, **5**: 451- 472.

The Mite Family Dendrochaetidae Olivier

Dendrochaetidae Olivier, 2008: 16

The family contains so far only one genus and species (*Dendrochaetus acarus* Olivier) from South Africa. These mites live in the soil.

Catalogue of Dendrochaetidae

Fam. **Dendrochaetidae** Olivier

Dendrochaetidae Olivier, 2008: 16

Type genus: *Dendrochaetus* Olivier, 2009 [repl. name for *Dendrodus* Olivier, 2008, praeocc.]

Genus ***Dendrochaetus*** Olivier

Dendrodus Olivier, 2008: 19 (praeocc.)

Dendrochaetus Olivier, 2009: 68

Type species: *Dendrochaetus acarus* Olivier, 2009 [for *Dendrodus acarus* Olivier, 2008]

Dendrochaetus acarus (Olivier)

Dendrodus acarus Olivier, 2008: 19

Dendrochaetus acarus (Olivier): Olivier, 2009: 68

Type locality: South Africa

Distribution: South Africa

Index of Dendrochaetidae

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

acarus, Dendrochaetus 71

acarus, Dendrodus 71

Dendrochaetidae 71

Dendrochaetus 71

Dendrodus (praeocc.) 71

Distribution of Dendrochaetidae

AFRICA

South Africa (Olivier, 2008, 2009) – *Dendrochaetus* [*Dendrodus*] *acarus*

Bibliography of Dendrochaetidae

- Olivier P.A.S. 2008. Dendrochaetidae, a new family of mites (Acari, Prostigmata), with description of a new genus and species from South Africa. – *African Zoology*, **43**(1): 16 – 24.
- Olivier P.A.S. 2009. A replacement name for *Dendrodus* Olivier, 2008, and validation of Dendrochaetidae Olivier, 2008 nomen nudum (Acari, Prostigmata). – *Zootaxa*, **2293**: 68.

The Mite Family Rhagidiidae Oudemans

Rhagidiidae Oudemans, 1922: 83

The Rhagidiids are soft bodied, predaceous soil mites. Thorell (1872) described the genus *Rhagidia* and Cambridge (1876) described from the far away Kerguelen Island another genus – *Poecilophysis*. Described by Oudemans (1922), the family Rhagidiidae has been studied until 1980 by several researchers (C.L. Koch, Canestrini, Thorell, Berlese, Banks, Hull, Sig Thor, Trägårdh, Willmann, Elliot, Strandtmann, Ehrnstberger, Abou-Awad and El-Bagoury, Womersley, Morikawa, Shiba, Baltac, Halliday, Khaustov, and others). The first review of the family (Thor & Willmann, 1941) contained three genera, 37 certain and 8 uncertain species and five “varieties”. R.W. Strandtmann tried to distinguish some more reliable diagnostic characters, but only the world revision of the family (Zacharda, 1980) achieved the modern system of the family. From the 20 genera present in the monograph Zacharda described 16 as new and from 74 species 35 were described as new.

In the 40 years elapsed since this monograph have been described the new genera *Krantzia* Zaharda, 1983, *Neothoria* Abou-Awad et El-Bagoury, 1986 *Lindquistula* Zacharda, 1986, *Kouchibouguacia* Zacharda, 1986, *Arhagidia* Lindquist et Zacharda, 1987, *Dongnaia* Zacharda, 1994, *Janes* Jesionowska, 2002, *Paracrassoscheles* Khaustov, 2015 and several new subgenera and species. Now (September 2021) the family Rhagidiidae comprises 28 genera and 150 species of whitish mites, living in the soil and often in caves.

Composition of fam. Rhagidiidae

Family **Rhagidiidae** Oudemans, 1922 - 28 gen., 150 sp.

Arctorhagidia Zacharda, 1980 - 2 sp.

Arhagidia Lindquist et Zacharda, 1987 - 1 sp.

Brevipalpia Zacharda, 1980 - 1 sp.

Coccorhagidia Sig Thor, 1934 - 8 sp.

Crassocheles Zacharda, 1980 - 2 sp.

Elliotta Zacharda, 1980 - 1 sp.

Eskimaia Zacharda, 1980 - 1 sp.

Evadorhagidia Zacharda, 1980 - 4 sp.

Flabellorhagidia Elliott, 1976 - 1 sp.

Foveacheles Zacharda, 1980 - 33 sp.

Foveacheles Zacharda, 1980 - 11 sp.

Hirschmannetta Zacharda, 1980 - 1 sp.

Mediostella Zacharda, 1980 - 5 sp.

Propriorhagidia Zacharda, 1980 - 2 sp.

Proxistella Zacharda, 1980 - 2 sp.

Spelaeocheles Zacharda, 1988 - 1 sp.

Ternirhagidia Zacharda, 1980 - 1 sp.

Trofocheles Zacharda, 1982 - 3 sp.

Usitorhagidia Zacharda, 1980 - 7 sp.

Hammenia Zacharda, 1980 - 1 sp.

Janes Jesionowska, 2002 - 1 sp.

Kouchibouguacia Zacharda, 1986 - 2 sp.

Latoempodia Zacharda, 1980 - 2 sp.

Lindquistula Zacharda, 1986 - 1 sp.

Neothoria Abou-Awad et El-Bagoury, 1986 - 2 sp.

Paracrassocheles Khaustov, 2015 - 1 sp.

Parallelorhagidia Zacharda, 1980 - 3 sp.

Poecilophysis Cambridge, 1876 - 16 sp.

Dentocheles Zacharda, 1980 - 5 sp.

Poecilophysis Cambridge, 1876 - 3 sp.

Procerocheles Zacharda, 1980 - 5 sp.

Soprocheles Zacharda, 1980 - 2 sp.

Wankelia Zacharda, 1980 - 1 sp.

Rhagidia Thorell, 1872 - 28 sp.

Austrorhagidia Zacharda, 1980 - 3 sp.

Deharvengiella Zacharda, 1987 - 3 sp.

Zachardaia Özdikmen, 2008 (= *Krantzia* Zacharda, 1983) - 1 sp.

Dongnaia Zacharda, 1994 – 1 sp.
Noerneria Canestrini, 1886 – 14 sp.
Rhagidia Thorell, 1872 - 7 sp.
Robustocheles Zacharda, 1980 - 19 sp.
Amoveocheles Zacharda, 1980 - 3 sp.
Lewia Zacharda, 1980 - 5 sp.
Mexia Zacharda, 1997 - 3 sp.
Robustocheles Zacharda, 1980 - 8 sp.
Shibaia Zacharda, 1980 - 6 sp.
Thoria Zacharda, 1980 - 2 sp.
Traegardhia Zacharda, 1980 - 10 sp.
Troglocheles Zacharda, 1980 - 10 sp.
Tuberostoma Zacharda, 1980 – 3 sp.

Catalogue of Rhagidiidae

Family **Rhagidiidae** Oudemans

Rhagidiidae Oudemans, 1922: 83

Type genus: *Rhagidia* Thorell, 1872

Genus ***Arctorhagidia*** Zacharda

Arctorhagidia Zacharda, 1980: 719

Type species: *Rhagidia mariehammerae* Strandtmann, 1971

Arctorhagidia mariehammerae (Strandtmann)

Rhagidia mariehammerae Strandtmann, 1971: 113

Arctorhagidia mariehammerae (Strandtmann): Zacharda, 1980: 719

Type locality: Alaska, Cape Beaufort

Distribution: USA (Alaska)

Arctorhagidia sateri (Strandtmann)

Coccorhagidia sateri Strandtmann, 1971: 95

Arctorhagidia sateri (Strandtmann): Zacharda, 1980: 721

Type locality: Alaska, Barrow

Distribution: USA (Alaska)

Genus ***Arhagidia*** Lindquist et Zacharda

Arhagidia Lindquist et Zacharda, 1987: 2149

Type species: *Arhagidia monothrix* Zacharda, 1987

Arhagidia monothrix* Lindquist et ZachardaArhagidia monothrix* Lindquist & Zacharda, 1987: 2156

Type locality: Jornada ecological research site of the Chihuahuan Desert in southern New Mexico

Distribution: USA (New Mexico)

Genus *Brevipalpia* Zacharda*Brevipalpia* Zacharda, 1980: 712Type species: *Brevipalpia minima* Zacharda, 1980***Brevipalpia minima* Zacharda***Brevipalpia minima* Zacharda, 1980: 712; 2012; Zacharda & Daniel, 1988: 58; Darbemamieh, Hajiqanbar & Khanjani, 2013: 455

Type locality: Bohemia centr., Závist-Knoll near Zbraslav

Distribution: Czech Republic, Iran, Nepal

Genus *Coccorhagidia* Sig Thor*Coccorhagidia* Sig Thor, 1934: 318Type species: *Nörneria clavifrons* Canestrini, 1886***Coccorhagidia clavifrons* (Canestrini)***Nörneria clavifrons* Canestrini, 1886: 710*Rhagidia clavifrons*: Berlese, 1921: 90; Bedano, 2004? *Rhagidia mordax*: Willmann, 1936: 296*Coccorhagidia clavifrons*: Sig Thor, 1934: 318; Dudich et al., 1940: 54; Thor & Willmann, 1941: 128; Willmann, 1951b: 143; Turk & Turk, 1952: 496; Macfadyen, 1954: 284; Haarløv, 1957: 27; Meyer & Ryke, 1960: 493; Shiba, 1969: 81; Strandtmann & Prasse, 1976: 13; Strandtmann & Goff, 1978: 143; Zacharda, 1980: 704; 2013; Abou-Awad, 1985: 258; Goff, 1987: 34; Qin, 1998: 300; Darbemamieh, Hajiqanbar & Khanjani, 2013: 455

Type locality: Doss (Tavon, Trento), Italy

Distribution: Argentina, Austria, Czech Republic, Denmark, Egypt, England, Germany, Hungary, Iran, Italy, Japan, Slovakia; Canada, Hawaii, South Africa, New Zealand, Yan Mayen I.

Coccorhagidia cubana* BaltacCoccorhagidia cubana* Baltac, 1977a: 197

Type locality: Cueva de México, Province de Camagüey

Distribution: Cuba

Coccorhagidia montana Bannova, Sarmanova et Zhuravleva

Coccorhagidia montana Bannova, Sarmanova & Zhuravleva, 1977: 59

Type locality: Romania

Distribution: Romania

Coccorhagidia divergens Mihelčič (sp. inquirend.)

Coccorhagidia divergens Mihelčič, 1957: 103

Type locality: Ötztaler Alpen: Hochfirst, Nivale Polsterpflanzen aus der O-Wand, ca. 3400 m.

Distribution: Austria

Coccorhagidia pittardi Strandtmann

Coccorhagidia pittardi Strandtmann, 1971: 98; Zacharda, 1980: 708; 2012: ; Zacharda & Daniel, 1988: 58; Darbemamieh, Hajiqanbar & Khanjani, 2013: 455

Type locality: Alaska, Wainwright

Distribution: Slovakia, Tatra (2200-2367 m); Alaska, Iran, Nepal (3900 m),

Coccorhagidia semiclavifrons Shiba (sp. inquir.)

Coccorhagidia semiclavifrons Shiba, 1969: 83

Type locality: Shiga Heights, IBP Area

Distribution: Japan

Coccorhagidia subterranea (Berlese)

Rhagidia subterranea Berlese, 1905: 232

Coccorhagidia berlesei Thor & Willmann, 1941: 129 (as nom. nov. pro *Scyphius subterraneus* nom. nud. Absolon, 1899)

Coccorhagidia subterranea (Berlese): Evans, 1952: 666; Haarløv, 1957: 27

Type locality: Florence (Italy)

Distribution: Denmark, England, Italy

Genus ***Crassocheles*** Zacharda

Crassocheles Zacharda, 1980: 550

Type species: *Crassocheles muralis* Zacharda, 1980

Crassocheles muralis Zacharda

Crassocheles muralis Zacharda, 1980: 551

Type locality: Velký Berděz-Hill, Czech Republic

Distribution: Czech Republic

Crassocheles virgo Zacharda

Crassocheles virgo Zacharda, 1980: 554

Type locality: Provodin, Provodingké kameny, Czech Republic

Distribution: Czech Republic

Genus ***Elliotta*** Zacharda

Elliotta Zacharda, 1980: 597

Type species: *Flabellorhagidia howarthi* Elliott, 1976

Elliotta howarthi (Elliott)

Flabellorhagidia howarthi Elliott, 1976: 5-10

Elliotta howarthi: Zacharda, 1980: 597

Type locality: Klickitat Co., Washington, Cheese Cave, 2 km SW Trout Lake, USA

Distribution: USA (Washington, Hawaii, Idaho)

Genus ***Eskimaia*** Zacharda

Eskimaia Zacharda, 1980: 723

Type species: *Coccorhagidia capitata* Strandtmann, 1971

Eskimaia capitata (Strandtmann)

Coccorhagidia capitata Strandtmann, 1971: 98

Eskimaia capitata (Strandtmann): Zacharda, 1980: 723

Type locality: Alaska, Anaktuvik Pass, Brooks Range

Distribution: USA (Alaska)

Genus ***Evadorhagidia*** Zacharda

Evadorhagidia Zacharda, 1980: 725

Type species: *Evadorhagidia oblikensis* Zacharda, 1980

Evadorhagidia bezdezensis Zacharda

Evadorhagidia bezdezensis Zacharda, 1980: 734; Ružička, Hajer & Zacharda, 1995: 47

Type locality: Bohemia bor., Malý Bezděz-Hill

Distribution: Czech Republic

Evadorhagidia corcontica Zacharda

Evadorhagidia oblikensis corcontica Zacharda, 1993: 57

Evadorhagidia corcontica Zacharda:

Type locality: Krkonose Mts.

Distribution: Czech Republic

Evadorhagidia janetscheki (Willmann)

Rhagidia janetscheki Willmann, 1953: 218; Strandtmann, 1971: 103

Evadorhagidia janetscheki: Zacharda, 1980: 733

Type locality: Tyrol, the Zillertall Alps, Rossrücken, 3000 m
Distribution: Austria

Evadorhagidia oblikensis Zacharda

Evadorhagidia oblikensis Zacharda, 1980: 726

Type locality: Bohemia bor., Oblik-Hill near Louny

Distribution: Czech Republic

Evadorhagidia quinqueseta Zacharda

Evadorhagidia quinqueseta Zacharda, 1980: 731

Type locality: Canada, N.W. Territory, Atkinson Point

Distribution: Canada (N.W. Territory)

Evadorhagidia sp. – Sweden (Hippa et al., 1989: 61), Finland (Zacharda & Kučera, 2010: 5)

Genus ***Flabellorhagidia*** Elliott

Flabellorhagidia Elliott, 1976: 1

Type species: *Flabellorhagidia pecki* Elliott, 1976

Flabellorhagidia pecki Elliott

Flabellorhagidia pecki Elliott, 1976: 2; Zacharda, 1980: 657

Type locality: Butte Co., Idaho, Boy Scout Cave (lava)

Distribution: USA (Idaho)

Genus ***Foveacheles*** Zacharda

Foveacheles Zacharda, 1980: 661

Type species: *Rhagidia osloensis* Sig Thor, 1934

Subgenus ***Achaetorhagidia*** Zacharda

Achaetorhagidia Zacharda, 1994: 36

Type species: *Foveacheles (Achaetorhagidia) tropica* Zacharda, 1994

Foveacheles (Achaetorhagidia) namcatiensis Zacharda

Foveacheles (Achaetorhagidia) namcatiensis Zacharda, 1994: 38

Type locality: Nam Cat Tien National Park, South Vietnam

Distribution: Vietnam

Foveacheles (Achaetorhagidia) tropica Zacharda

Foveacheles (Achaetorhagidia) tropica Zacharda, 1994: 44

Type locality: Nam Cat Tien National Park, South Vietnam

Distribution: Vietnam

Subgenus ***Foveacheles*** Zacharda

Foveacheles Zacharda, 1980: 661

Type species: *Rhagidia osloensis* Sig Thor, 1934

Foveacheles (Foveacheles) auricularia Zacharda et Elliott

Foveacheles (Foveacheles) auricularia Zacharda & Elliott, 1985: 468

Type locality: California

Distribution: USA

Foveacheles (Foveacheles) brevichelae Zacharda

Foveacheles (Foveacheles) brevichelae Zacharda, 1980: 666; 2012: ; Darbemamieh, Hajiqaanbar & Khanjani, 2013: 455; Zacharda & Kučera, 2010: 5

Type locality: Bohemia centr., Karlštejn

Distribution: Austria, Canada, Czech Republic, Finland, Iran, Russia

Foveacheles (Foveacheles) cannadasi Barranco et Amate

Foveacheles (Foveacheles) cannadasi Barranco & Amate, 2000: 15

Type locality: Cueva Larga, Sierra de los Filabres, Almeria

Distribution: Spain

Foveacheles (Foveacheles) caucasica Zacharda

Foveacheles (Foveacheles) caucasica Zacharda, 1983b: 305; 1993: 60

Type locality: Kabardino-Balkaria, Poljana Azau, 2 km W of Terskol, N-slope of Ceget Mt., 2600 m

Distribution: Czech Republic, Russia (Caucasus)

Foveacheles (Foveacheles) cegetensis Zacharda

Foveacheles (Foveacheles) cegetensis Zacharda, 1983b: 307; 1993: 60; Zacharda & Kučera, 2010: 5; Darbemamieh, Hajiqaanbar & Khanjani, 2013: 455

Type locality: Kabardino-Balkaria, Poljana Azau, 2 km W of Terskol, N-slope of Ceget Mt., 2600 – 2800 m

Distribution: Czech Republic, Finland, Iran, Russia (Caucasus)

Foveacheles (Foveacheles) gigantea Zacharda

Foveacheles (Foveacheles) gigantea Zacharda, 2000: 248

Type locality: Ceske Stredohori Mts,

Distribution: Czech Rep.

Foveacheles (Foveacheles) halltalensis Zacharda

Foveacheles (Foveacheles) halltalensis Zacharda, 2000: 253

Type locality: Northern Alps,
Distribution: Austria

***Foveacheles (Foveacheles) incognita* Zacharda**

Foveacheles (Foveacheles) incognita Zacharda, 1980: 670

Type locality: Patria incognita

Distribution: Patria incognita

***Foveacheles (Foveacheles) lemoni* Abou-Awad, El-Sawaf et Abdel-Khalek**

Foveacheles (Foveacheles) lemoni Abou-Awad, El-Sawaf & Abdel-Khalek, 2009: 147

Type locality: El - Kassasin, El – Sharkiya

Distribution: Egypt

***Foveacheles (Foveacheles) osloensis* (Sig Thor)**

Rhagidia osloensis Sig Thor, 1934: 314; Thor & Willmann, 1941: 120

Foveacheles (Foveacheles) osloensis: Zacharda, 1980: 662; Hippa et al., 1989: 61;

Darbemamieh, Hajiqaanbar & Khanjani, 2013: 455

Type locality: Norway

Distribution: Austria, Czech Republic, Germany, Iran, Norway, Sweden

***Foveacheles (Foveacheles) proxima* Zacharda**

Foveacheles (Foveacheles) proxima Zacharda, 2000: 258

Type locality: Northern Alps

Distribution: Austria

***Foveacheles (Foveacheles) thaleri* Zacharda**

Foveacheles (Foveacheles) thaleri Zacharda, 2010: 58

Type locality: Cedar Valley, Troodos

Distribution: Cyprus

Subgenus ***Hirschmannetta*** Zacharda

Hirschmannetta Zacharda, 1980: 694

Type species: *Foveacheles (Hirschmannetta) magna* Zacharda, 1980

***Foveacheles (Hirschmannetta) magna* Zacharda**

Foveacheles (Hirschmannetta) magna Zacharda, 1980: 695

Type locality: Harz, Bielshöhle Cave

Distribution: Germany

Subgenus ***Mediostella*** Zacharda

Mediostella Zacharda, 1980: 672

Type species: *Foveacheles (Mediostella) rupestris* Zacharda, 1980

Foveacheles (Mediostella) canestrini (Berlese et Trouessart)

Noerneria canestrini Berlese & Trouessart, 1889: 142

Rhagidia gigas var. *canestrini*: Thor & Willmann, 1941: 112

?*Rhagidia fragosa* Schuster, 1958: 95

Foveacheles (Mediostella) canestrini: Zacharda, 1980: 679

Type locality: Plage du Croisic (Loire Tufe)

Distribution: France

Foveacheles (Mediostella) pribilovi Zacharda

Foveacheles (Mediostella) pribilovi Zacharda, 1996: 344

Type locality: Alaska, Pribilof Islands, St. Paul's Island

Distribution: USA (Alaska)

Foveacheles (Mediostella) rupestris Zacharda

Foveacheles (Mediostella) rupestris Zacharda, 1980: 672

Type locality: the High Tatras, Koprovský štít, 2376 m

Distribution: Slovakia

Foveacheles (Mediostella) vancouverensis Zacharda

Foveacheles (Mediostella) vancouverensis Zacharda, 1986: 2542

Type locality: British Columbia, Vancouver Island, SE end of Long Beach

Distribution: Canada

Foveacheles (Mediostella) willmanni Zacharda

Foveacheles (Mediostella) willmanni Zacharda, 1980: 676

Type locality: Bösensteingipfel

Distribution: Austria

Subgenus ***Propriorhagidia*** Zacharda

Propriorhagidia Zacharda, 1980: 690

Type species: *Foveacheles (Propriorhagidia) mira* Zacharda, 1980

Foveacheles (Propriorhagidia) mira Zacharda

Foveacheles (Propriorhagidia) mira Zacharda, 1980: 690

Type locality: Wien

Distribution: Austria

Foveacheles (Propriorhagidia) tuktoyaktukensis* ZachardaFoveacheles (Propriorhagidia) tuktoyaktukensis* Zacharda, 1980: 692; 1985: 78

Type locality: Canada, N.W. Territory, Tuktoyaktut, Beaufort Sea

Distribution: Canada (N.W. Territory), USA

Subgenus ***Proxistella*** Zacharda*Proxistella* Zacharda, 1980: 700Type species: *Scyphius terricola* C. L. Koch, 1835***Foveacheles (Proxistella) simulata* Zacharda***Foveacheles (Proxistella) simulata* Zacharda, 2000: 106

Type locality: Berounka River Valley

Distribution: Czech Rep.

Foveacheles (Proxistella) terricola* (C. L. Koch)Scyphius terricola* C. L. Koch, 1835: Fasc. 1, 15*Scyphius terricolus* C. L. Koch, 1836: Heft 1, Nr 15*Rhagidia terricola*: Willmann, 1936: 294; 1954: 234; Thor, 1912: 235; Halbert, 1915: 110; Vitzthum, 1925: 153; Irk, 1939: 153; Thor & Willmann, 1941: 102; 1951: 146; Macfadyen, 1854: 284; Mihelčič, 1958: 102; Cooreman, 1959: 26; Schmölzer, 1962: 282; 1993: 59; Rack, 1974: 133;*Foveacheles (Proxistella) terricola* Zacharda, 1980: 701

Type locality: Germany

Distribution: Austria, Czech Rep., France, Germany, Norway, Switzerland, Yan Mayen I.

Subgenus ***Spelaeocheles*** Zacharda*Foveacheles (Spelaeocheles)* Zacharda, 1988: 75Type species: *Foveacheles (Spelaeocheles) troglodyta* Zacharda, 1988***Foveacheles (Spelaeocheles) troglodyta* Zacharda***Foveacheles (Spelaeocheles) troglodyta* Zacharda, 1988: 76

Type locality: East Slovakia, Stratenska vysočina

Distribution: Slovakia

Subgenus ***Ternirhagidia*** Zacharda*Ternirhagidia* Zacharda, 1980: 696Type species: *Foveacheles (Ternirhagidia) alpina* Zacharda, 1980***Foveacheles (Ternirhagidia) alpina* Zacharda***Foveacheles (Ternirhagidia) alpina* Zacharda, 1980: 697

Type locality: the Zillertall Alps, Tetterjoch, 3000 m, Schnoarzensteingipfel, 3320 m
Distribution: Austria

***Foveacheles (Ternirhagidia) emendata* Zacharda**

Foveacheles (Ternirhagidia) emendata Zacharda, 1980: 699

Type locality: Patria incognita

Distribution: Patria incognita

Subgenus ***Trofocheles*** Zacharda

Trofocheles Zacharda, 1982: 275

Type species: *Foveacheles (Trofocheles) tenorioae* Zacharda, 1982

***Foveacheles (Trofocheles) goffi* Zacharda**

Foveacheles (Trofocheles) goffi Zacharda, 1982: 277

Type locality: Hawaii I., Kau Forest Es., Manu Cave, 2100 m

Distribution: USA (Hawaii)

***Foveacheles (Trofocheles) paralleloseta* Zacharda**

Foveacheles (Trofocheles) paralleloseta Zacharda, 1985: 77

Type locality: Sam Six Cave, 4 mi. W Wytheville, Wythe Co., Virginia

Distribution: USA (Virginia)

***Foveacheles (Trofocheles) tenorioae* Zacharda**

Foveacheles (Trofocheles) tenorioae Zacharda, 1982: 278

Type locality: Hawaii I., Hawaii Volcanoes Nat. Park, Kipuka Puaulu, Cave No 3

Distribution: USA (Hawaii)

Subgenus ***Usitorhagidia*** Zacharda

Usitorhagidia Zacharda, 1980: 682

Type species: *Rhagidia arenaria* Willmann, 1952

***Foveacheles (Usitorhagidia) arenaria* (Willmann)**

Rhagidia arenaria Willmann, 1952: 155; Ehrnsberger, 1977: 67

Foveacheles (Usitorhagidia) arenaria Zacharda, 1980: 682

Type locality: Germany, Wangerooge Islands

Distribution: Germany (Wangerooge Islands)

***Foveacheles (Usitorhagidia) bentonensis* Zacharda**

Foveacheles (Usitorhagidia) bentonensis Zacharda, 1983: 1000

Type locality: Oregon

Distribution: USA (Oregon)

Foveacheles (Usitorhagidia) clavacrinita (Ehrnsberger)

Rhagidia clavacrinita Ehrnsberger, 1977a: 95; 1977b: 67

Foveacheles (Usitorhagidia) clavacrinita Zacharda, 1980: 685

Type locality: Kiel, beach forest litter

Distribution: Germany

Foveacheles (Usitorhagidia) harzensis Zacharda

Foveacheles (Usitorhagidia) harzensis Zacharda, 1980: 688

Type locality: Harz, Einhornhöhle-Cave

Distribution: Germany

Foveacheles (Usitorhagidia) mexicana Zacharda

Foveacheles (Usitorhagidia) mexicana Zacharda, 1996: 350

Type locality: Mexico, 15 mi SW El Salto, Durango

Distribution: Mexico

Foveacheles (Usitorhagidia) titanica Zacharda et Elliott

Foveacheles (Usitorhagidia) titanica Zacharda & Elliott, 1985: 471

Type locality: California,

Distribution: USA (California)

Foveacheles (Usitorhagidia) unguiculata Zacharda

Foveacheles (Usitorhagidia) unguiculata Zacharda, 1994: 86

Type locality: North Tyrol, the Ötztal Alps, Pitztal, Wildgrat 2974 m

Distribution: Austria

Genus ***Hammenia*** Zacharda

Hammenia Zacharda, 1980: 760

Type species: *Hammenia macrostella* Zacharda, 1980

Hammenia macrostella Zacharda

Hammenia macrostella Zacharda, 1980: 760

Type locality: Bohemia bor., Velký Bezděz-Hill

Distribution: Czech Republic

Genus ***Janes*** Jesionowska

Janes Jesionowska, 2002: 174

Type species: *Janes rafalskii* Jesionowska, 2002

Janes rafalskii Jesionowska

Janes rafalskii Jesionowska, 2002: 174

Type locality: Poland

Distribution: Poland

Genus ***Kouchibouguacia*** Zacharda

Kouchibouguacia Zacharda, 1986: 2532

Type species: *Kouchibouguacia cryptosolenidiata* Zacharda, 1986

Kouchibouguacia cryptosolenidiata Zacharda

Kouchibouguacia cryptosolenidiata Zacharda, 1986: 2533

Type locality: New Brunswick, Kouchibouguac Nat. Park, Kollock Creek trail

Distribution: Canada

Kouchibouguacia transcendata Zacharda

Kouchibouguacia transcendata Zacharda, 1995: 589

Type locality: Canada, Ontario, St. Lawrence Islands Nat. Park, Grenadier Island

Distribution: Canada (Alberta, Ontario, New Brunswick), USA (New Mexico)

Genus ***Latoempodia*** Zacharda

Latoempodia Zacharda, 1980: 585

Type species: *Latoempodia macroempodiata* Zacharda, 1980

Latoempodia macroempodiata Zacharda

Latoempodia macroempodiata Zacharda, 1980: 585

Type locality: Oblik-Hill near Louny

Distribution: Czech Republic

Latoempodia similis Zacharda

Latoempodia similis Zacharda, 1980: 589

Type locality: the High Tatra, Mengusovská dolina Valley, 1730 m

Distribution: Slovakia

Genus ***Lindquistula*** Zacharda

Lindquistula Zacharda, 1986: 2531

Type species: *Lindquistula multisolenidiata* Zacharda, 1980

Lindquistula multisolenidiata Zacharda

Lindquistula multisolenidiata Zacharda, 1986: 2531

Type locality: Ontario, Pt. Pelee Nat. Park

Distribution: Canada

Genus ***Neothoria*** Abou-Awad et El-Bagoury

Neothoria Abou-Awad & El-Bagoury, 1986: 59

Type species: *Neothoria niloticus* Abou-Awad et El-Bagoury, 1986

Neothoria niloticus Abou-Awad et El-Bagoury

Neothoria niloticus Abou-Awad & El-Bagoury, 1986: 59

Type locality: Lower Egypt

Distribution: Egypt

Neothoria zacharda Abu-Awad

Neothoria zacharda Abu-Awad, 2010: 141

Type locality: Egypt

Distribution: Egypt

Genus ***Paracrassoscheles*** Khaustov

Paracrassoscheles Khaustov, 2015: 619

Type species: *Paracrassoscheles clavisetosus* Khaustov, 2015

Paracrassoscheles clavisetosus Khaustov

Paracrassoscheles clavisetosus Khaustov, 2015: 619

Type locality: Crimea

Distribution: Crimea

Genus ***Parallelorhagidia*** Zacharda

Parallelorhagidia Zacharda, 1980: 590

Type species: *Coccorhagidia evansi* Strandtmann et Prasse, 1976

Parallelorhagidia evansi (Strandtmann et Prasse)

Coccorhagidia evansi Strandtmann & Prasse, 1976: 12

Parallelorhagidia evansi (Strandtmann et Prasse): Zacharda, 1980: 591

Type locality: Etzsdorf/ Saalkreis (East Germany)

Distribution: Czech Republic, Germany

Parallelorhagidia hawaiiensis Zacharda

Parallelorhagidia hawaiiensis Zacharda, 1980: 594; Goff, 1987: 35

Type locality: Hawaii, Big Island

Distribution: USA (Hawaii)

Parallelorhagidia parva Zacharda

Parallelorhagidia parva Zacharda, 1986: 2538

Type locality: New Brunswick, Kouchibouguac Nat. Park, Kouchibouguac Campground

Distribution: Canada

Genus ***Poecilophysis*** Cambridge

Poecilophysis Cambridge, 1876: 261

Type species: *Poecilophysis kerguelensis* Cambridge, 1876

Subgenus ***Dentocheles*** Zacharda

Dentocheles Zacharda, 1980: 621

Type species: *Scyphius pratensis* C. L. Koch, 1835

Poecilophysis (Dentocheles) affinis Zacharda

Poecilophysis (Dentocheles) affinis Zacharda, 1983: 996

Type locality: Oregon, Coffin Butte

Distribution: USA (Oregon)

Poecilophysis (Dentocheles) extraneostella Zacharda

Poecilophysis (Dentocheles) extraneostella Zacharda, 1985: 73

Type locality: Bowling Cave near Ben Hur, Lee Co., Virginia

Distribution: USA (Virginia)

Poecilophysis (Dentocheles) melanoseta Zacharda et Elliot

Poecilophysis (Dentocheles) melanoseta Zacharda & Elliot, 1985: 646

Type locality: California

Distribution: USA (California)

Poecilophysis (Dentocheles) pratensis (C. L. Koch)

Scyphius pratensis C. L. Koch, 1835: fasc. 1, 14

Poecilophysis pratensis: Oudemans, 1905: 202; Goff, 1987: 35; Zacharda & Kučera, 2010: 5

Rhagidia pratensis: Willmann, 1932: 5; 1936: 229; 1951b: 143; 1954: 234; Sellnick, 1940: 31; Haarløv, 1957: 31; Cooreman, 1959: 20

Rhagidia japonica Morikawa, 1963: 15; Shiba, 1969: 76

Rhagidia whartoni Strandtmann, 1971: 107

Poecilophysis (Dentocheles) pratensis Zacharda, 1980: 621; 1983b: 312; 1985: 74

Type locality: Germany

Distribution: Alaska, Austria, Azerbaidzhan, Belgium, Czech Republic, Denmark, Finland, France, Germany, Hawaii, Iceland, Iran, Japan, Russia, Slovakia, Switzerland, USA

Poecilophysis (Dentocheles) wankeli (Zacharda)

Rhagidia reflexa (part.): Wankel, 1936: 301; 1953: 218

Rhagidia wankeli Zacharda, 1978: 226

Poecilophysis (D.) wankeli Zacharda, 1980: 630

Type locality: Moravia

Distribution: Czech Rep., Slovakia, Austria

Poecilophysis (Dentocheles) weyerensis (Packard)

Bryobia ? (or *Penthaleus* ?) *weyerensis* Packard, 1888: 42

Poecilophysis (D.) weyerensis Zacharda, 1980: 627; 1985: 74; Hippa et al., 1989: 61

Rhyncholophus cavernarum Packard, 1888: 42

Type locality: Augusta County, Virginia, Weyer's Cave, USA

Distribution: Sweden, USA

Subgenus ***Poecilophysis*** Cambridge

Poecilophysis Cambridge, 1876: 261; Zacharda, 1980: 601

Type species: *Poecilophysis kerguelenensis* Cambridge, 1876

Poecilophysis (P.) kerguelenensis Cambridge

Poecilophysis kerguelenensis Cambridge, 1876: 261

Rhagidia megalochela Trägårdh, 1907: 20

Rhagidia kerguelensis: André, 1947: 78

Rhagidia kerguelensis (part.): Strandtmann & Davies, 1972: 39

Poecilophysis (P.) kerguelenensis: Zacharda, 1980: 602

Type locality: Subantarctic region

Distribution: Possession I., Crozet I., Saint-Paul I., Kerguelen Islands,

Poecilophysis (P.) macquariensis (Womersley et Strandtmann)

Rhagidia macquariensis Womersley & Strandtmann, 1963: 465

Poecilophysis macquariensis Zacharda: Qin, 1998: 300

Poecilophysis (P.) macquariensis Zacharda, 1980: 606

Type locality: Macquarie Island

Distribution: Macquarie Island, Antarctica

Subgenus ***Procerocheles*** Zacharda

Procerocheles Zacharda, 1980: 609

Type species: *Rhagidia gelida faeroensis* Trägårdh, 1931

Poecilophysis (Procerocheles) faeroensis (Trägårdh)

Rhagidia gelida faeroensis Trägårdh, 1931: 42

Rhagidia reflexa Willmann, 1936: 300; Thor & Willmann, 1941: 104 (part.); Cooreman, 1959: 22

Poecilophysis (Procerocheles) faeroensis Zacharda, 1980: 609; Hippa et al., 1989: 61

Type locality: Faroe Isl., Thorshavn (Denmark)

Distribution: Denmark (Faroe Is.), Germany, Czech Republic, Iran, Slovakia, Switzerland

Poecilophysis (Procerocheles) oregonensis* ZachardaPoecilophysis (Procerocheles) oregonensis* Zacharda, 1983: 995

Type locality: Oregon, Washington Co.

Distribution: USA (Oregon)

Poecilophysis (Procerocheles) pseudoreflexa* ZachardaPoecilophysis (Procerocheles) pseudoreflexa* Zacharda, 1980: 614; 1983: 311; Hippa et al., 1989: 61; Zacharda & Kučera, 2010: 5

Type locality: Oblik-Hill near Louny (Czech Rep.)

Distribution: Canada, Czech Republic, Finland, Kirghizstan, Russia, Slovakia, Sweden

Poecilophysis (Procerocheles) recussa* (Sig Thor)Rhagidia recussa* Sig Thor, 1909: 14; Leruth, 1939: 412*Poecilophysis (Procerocheles) recussa* (Sig Thor): Zacharda, 1993: 52

Type locality: Shara-Ullah Mts., North Siberia

Distribution: Belgium, Czech Republic, Russia

Poecilophysis (Procerocheles) spelaea* (Wankel)Scyphius spelaeus* Wankel, 1861: 258*Rhagidia recussa* Sig Thor, 1909: 14 ?*Rhagidia spelaea* (Wankel): Willmann, in Thor & Willmann, 1941: 108; Willmann, 1954: 232*Poecilophysis (Procerocheles) spelaea*: Zacharda, 1980: 617; Zacharda & Kučera, 2010: 5Type locality of *Scyphius spelaeus*: MoraviaType locality of *Rhagidia recussa*: Shara-Ullah-Mountains, North Siberia

Distribution: Czech Republic, England, Finland, France, Germany, Belgium, Poland, Romania, Switzerland; Siberia ?

Subgenus *Soprocheles* Zacharda*Soprocheles* Zacharda, 1980: 634Type species: *Rhagidia saxonica* Willmann, 1934***Poecilophysis (Soprocheles) arena* Zacharda***Scyphius elongatus*: Valle, 1955: 17, nec *Scyphius elongatus* C. L. Koch, 1838*Poecilophysis (Soprocheles) arena* Zacharda, 1980: 639

Type locality: Moravia Mer., Valtice

Distribution: Czech Republic, Iran, Italy, Hawaii

Poecilophysis (Soprocheles) saxonica* (Willmann)Rhagidia saxonica* Willmann, 1934: 306; 1936: 297? *Coccorhagidia semiclavifrons* Shiba, 1969: 83*Rhagidia shibai* Strandtmann, 1971: 111

Poecilophysis (Soprocheles) saxonica: Zacharda, 1980: 635; 1983b: 312

Poecilophysis saxonica: Zacharda & Daniel, 1988: 58; Zacharda & Kučera, 2010: 5

Type locality: Leipzig, Anwald b. Dölitz (Germany)

Distribution: Czech Republic, Finland, Germany, Nepal (3900 m), Slovakia, Kirghizstan

Subgenus ***Wankelia*** Zacharda

Wankelia Zacharda, 1980: 642

Type species: *Rhagidia reflexa wolmsdorfensis* Willmann, 1936

Poecilophysis (Wankelia) wolmsdorfensis (Willmann)

Rhagidia terricola longipes: Pax, Maschke, 1935: 13

Rhagidia wolmsdorfensis: Willmann, 1941: 53; Willmann, 1954: 232; Baltac, 1973: 167

Rhagidia reflexa wolmsdorfensis Willmann, 1936: 302

Poecilophysis (Wankelia) wolmsdorfensis: Zacharda, 1980: 642; 1985: 74

Type locality: Wolmsdorf, Germany

Distribution: Czech Republic, Germany, Poland, Romania, USA, “Yugoslavia”

Genus ***Rhagidia*** Thorell

Megamerus Dugès, 1834: 50, 53 (nec *Megamerus* W.S. Mac Leay, 1827)

Scyphius C. L. Koch, 1835: fasc. 1, 14

Rhagidia Thorell, 1872: 700; Zacharda, 1980: 558

Nörneria Canestrini, 1886: 697

Scyphioides Berlese, 1886: 16, nom. nov. for *Scyphius* C. L. Koch nec Risso

Scyphoides Banks, 1900: 31 (lapsus calami?)

Type species: *Rhagidia gelida* Thorell, 1872

Subgenus ***Austrorhagidia*** Zacharda

Austrorhagidia Zacharda, 1980: 560

Type species: *Rhagidia mildredae* Strandtmann, 1964

Rhagidia (Austrorhagidia) campbellensis Zacharda

Rhagidia mildredae (part.): Strandtmann, 1964: 157-160

Rhagidia campbellensis Zacharda: Qin, 1998: 300

Rhagidia (Austrorhagidia) campbellensis Zacharda, 1980: 563

Type locality: Auckland I.

Distribution: Auckland I.

Rhagidia (Austrorhagidia) gerlachei Trouessart

Rhagidia gigas gerlachei Trouessart, 1903: 4-5

Rhagidia gerlachei Trouessart: Womersley & Strandtmann, 1963: 460; Strandtmann, 1967: 65; 1970: 98

Rhagidia (Austrorhagidia) gerlachei Zacharda, 1980: 563

Type locality: Antarctica, Détroit de Gerlache, South Georgia

Distribution: Antarctica (South Georgia)

***Rhagidia (Austrorhagidia) mildredae* Strandtmann**

Rhagidia mildredae Strandtmann, 1964: 157-160; Qin, 1998: 300

Rhagidia (Austrorhagidia) mildredae Zacharda, 1980: 561

Type locality: New Zealand, Beeman Hill, Campbell Island

Distribution: Subantarctic region (Auckland Is., Campbell I.)

Subgenus ***Deharvengiella*** Zacharda

Deharvengiella Zacharda, 1987: 2051

Type species: *Rhagidia (Deharvengiella) troglomorphica* Zacharda, 1987

***Rhagidia (Deharvengiella) paraleloseta* Zacharda**

Rhagidia (Deharvengiella) paraleloseta Zacharda, 2011: 669

Type locality: France

Distribution: France

***Rhagidia (Deharvengiella) serpentiforma* Zacharda**

Rhagidia (Deharvengiella) serpentiforma Zacharda, 2011: 672

Type locality:

Distribution:

***Rhagidia (Deharvengiella) troglomorphica* Zacharda**

Rhagidia (Deharvengiella) troglomorphica Zacharda, 1987: 2051

Type locality: the Pyrenees, Haute-Garonne, Couledoux, Grotte de la Buhadère

Distribution: France

Subgenus ***Dongnaia*** Zacharda

Dongnaia Zacharda, 1994: 49

Type species: *Dongnaia edaphica* Zacharda, 1994

***Rhagidia (Dongnaia) edaphica* Zacharda**

Rhagidia (Dongnaia) edaphica Zacharda, 1994: 51

Type locality: Nam Cat Tien National Park, South Vietnam

Distribution: Vietnam

Subgenus ***Noerneria*** Canestrini

Nörneria Canestrini, 1886: 708; Zacharda, 1980: 565

Type species: *Nörneria gigas* Canestrini, 1886

***Rhagidia (Noerneria) arizonensis* Zacharda**

Rhagidia (Noerneria) arizonensis Zacharda, 1995: 1259

Type locality: Arizona, Madera Canyon above Roundup Camp

Distribution: USA

***Rhagidia (Noerneria) breviseta* Zacharda**

Rhagidia breviseta Zacharda, 1995: 1248; Zacharda & Kučera, 2010: 5

Type locality: Quebec

Distribution: Canada, Finland

***Rhagidia (Noerneria) compressa* Zacharda**

Rhagidia (Noerneria) compressa Zacharda, 1986: 2538

Type locality: British Columbia, Domonion Lake

Distribution: Canada

***Rhagidia (Noerneria) distisolenidiata* Zacharda**

Rhagidia (Noerneria) distisolenidiata Zacharda, 1995: 1258

Type locality: New-Brunswick

Distribution: Canada

***Rhagidia (Noerneria) gigas* (Canestrini)**

Nörneria gigas Canestrini, 1886: 708 -709

Rhagidia gigas: Trägårdh, 1904b: 3; Hull, 1918: 34; Thor & Willmann, 1941: 111-112;
Ružička, Hajer & Zacharda, 1995: 47; Zacharda & Kučera, 2010: 5

Rhagidia intermedia Willmann, 1936: 293-294; 1951: 146; Haarløv, 1957: 27; Schmölzer,
1993: 59

Rhagidia danica Ehrnberger, 1977b: 95-100

Rhagidia carpatica Baltac, 1973: 168-171

Rhagidia (Nörneria) gigas Zacharda, 1980: 566

Type locality: Italy, Trentino

Distribution: Austria, Czech Republic, Denmark, Finland, Germany, Italy, Slovakia,

***Rhagidia (Noerneria) longiseta* Zacharda**

Rhagidia (Noerneria) longiseta Zacharda, 2000: 113; Zacharda & Kučera, 2010: 5

Type locality: Austria

Distribution: Austria, Finland

***Rhagidia (Noerneria) parvilobata* Zacharda**

Rhagidia (Noerneria) parvilobata Zacharda, 1995: 1252; Zacharda & Kučera, 2010: 5

Type locality: Quebec

Distribution: Canada, Finland

Rhagidia (Noerneria) pasadenensis* ZachardaRhagidia (Noerneria) pasadenensis* Zacharda, 1986: 2535

Type locality: Newfoundland, Pasadena

Distribution: Canada

Rhagidia (Noerneria) ponderosae* ZachardaRhagidia (Noerneria) ponderosae* Zacharda, 1983: 1000

Type locality: Baker Co., S Fork Forest Camp, 9 mi SW Unity

Distribution: USA (Oregon)

Rhagidia (Noerneria) punkva* ZachardaRhagidia (Noerneria) punkva* Zacharda, 1980: 575; 1983b: 314

Type locality: Moravia, Skalni mlýn, Czech Republic

Distribution: Czech Republic, Russia (Siberia)

Rhagidia (Noerneria) quadrisolenidiata* ZachardaRhagidia (Noerneria) quadrisolenidiata* Zacharda, 1995: 1262

Type locality: 53 mi north of Oaxaca, km 77, Oaxaca Highway 175, 3200 m

Distribution: Mexico

Rhagidia (Noerneria) rackae* ZachardaRhagidia (Noerneria) rackae* Zacharda, 1980: 582; Zacharda & Daniel, 1988: 58

Type locality: Velký-Bezděz-Hill, Czech Republic

Distribution: Czech Republic, Nepal (3900 m)

Rhagidia (Noerneria) ruseki* ZachardaRhagidia (Noerneria) ruseki* Zacharda, 1980: 578; Hippa et al., 1989: 61

Type locality: Oblik-Hill near Louny, Czech Republic

Distribution: Czech Republic, Sweden

Rhagidia (Noerneria) varia* ZachardaRhagidia (Noerneria) varia* Zacharda, 1985: 68

Type locality: Butler Cave, N of Burnsville, Both Co., Virginia

Distribution: USA

Subgenus *Rhagidia* Thorell*Rhagidia* Thorell, 1872: 700; Zacharda, 1980: 558Type species: *Rhagidia gelida* Thorell, 1872***Rhagidia (Rhagidia) comelicensis* Lombardini***Rhagidia comelicensis* Lombardini, 1962: 191

Type locality: Comelico (Alpi orientali)

Distribution: Italy

***Rhagidia crenata* Shiba**

Rhagidia crenata Shiba, 1969a: 77; Shiba, 1971a: 158; 1971b: 226

Type locality: Shiga Heights IBP Area

Distribution: Japan

***Rhagidia (Rhagidia) diversicolor* (C. L. Koch)**

Scyphius diversicolor C. L. Koch, 1838: fasc. 17, 22

Rhagidia diversicolor: Willmann, 1936: 297-298; 1954: 234; Cooreman, 1954: 10; 1959: 17; Zacharda & Kučera, 2010: 5

Rhagidia (Nörneria) diversicolor: Zacharda, 1980: 570

Rhagidia (Noerneria) diversicolor: Zacharda, 1985: 71

Type locality: France, Germany

Distribution: Czech Republic, Finland, Germany, Poland, Switzerland, USA

***Rhagidia (Rhagidia) gelida* Thorell**

Rhagidia gelida: Thorell, 1872: 701; Trägårdh, 1904: 44; Thor, 1912: 235; Banks, 1919: 11; Oudemans, 1926: 106; Sellnick, 1940: 31; Thor & Willmann, 1941: 109-111; Macfadyen, 1954: 284; Cooreman, 1959: 27 (var.); Strandtmann, 1971: 106-107; Seniczak et al., 2020: 1

Rhagidia (R.) gelida Zacharda, 1980: 559

Type locality: Norway, Beeren Eiland, Svalbard

Distribution: Canada, Czech Rep., Greenland, Yan Mayen I., Iceland, Norway, Russia, Spitzbergen, Switzerland, USA (Alaska)

***Rhagidia (Rhagidia) orghidani* Bannova, Sarmanova et Zhuravleva**

Rhagidia orghidani Bannova, Sarmanova & Zhuravleva, 1977: 57

Type locality: Romania

Distribution: Romania

***Rhagidia (Rhagidia) qaliubiensis* Abou-Awad, El-Sawaf et Abdel-Khalek**

Rhagidia (Rhagidia) qaliubiensis Abou-Awad, El-Sawaf & Abdel-Khalek, 2009: 150

Type locality: El-Kaliubiya region

Distribution: Egypt

***Rhagidia buettneri* Willmann**

Rhagidia buettneri Willmann, 1955: 209; Zacharda, 1980 (sp. inc. sed., "The holotype fragmentary, a tritonymph")

Type locality: SW Saxony, Brummeisenmoor

Distribution: Germany

***Rhagidia meyeræ* Halliday**

Rhagidia meyeræ Halliday, 2005: 42

Type locality: South Africa

Distribution: South Africa

***Rhagidia uenoi* Shiba**

Rhagidia uenoi Morikawa, 1963: 18; Shiba, 1971: 224

Type locality: Japan

Distribution: Japan

Genus *Robustocheles* Zacharda

Robustocheles Zacharda, 1980: 527

Type species: *Robustocheles mountana* Zacharda, 1980

Subgenus *Amoveocheles* Zacharda

Amoveocheles Zacharda, 1980: 540

Type species: *Robustocheles (Amoveocheles) tricuspidata* Zacharda, 1980

***Robustocheles (Amoveocheles) californiensis* Zacharda**

Robustocheles (Amoveocheles) californiensis Zacharda, 1986: 2535

Type locality: California, Albany

Distribution: USA (California)

***Robustocheles (A.) dentata* Zacharda**

Robustocheles (A.) dentata Zacharda, 1980: 543

Type locality: Prague, Czech Republic

Distribution: Czech Republic

***Robustocheles (A.) tricuspidata* Zacharda**

Robustocheles (A.) tricuspidata: Zacharda, 1980: 540

Type locality: Závist-Knoll near Zbraslav, Czech Republic

Distribution: Czech Republic

Subgenus *Lewia* Zacharda

Lewia Zacharda, 1980: 547

Type species: *Rhagidia hilli* Strandtmann, 1971

***Robustocheles (Lewia) hilli* (Strandtmann)**

Rhagidia hilli Strandtmann, 1971: 113

Rhagidia grahami Elliott, 1976: 11-14

Robustocheles (Lewia) hilli Zacharda, 1980: 547; 1985: 79

Type locality of *Rhagidia hilli*: Alaska, Fairbanks

Type locality of *Rhagidia grahami*: Unita Co., Little Brush Creek Cave, Utah
Distribution: Canada, N-W Territorium, Bathurst I.; USA

***Robustocheles (Lewia) lacustris* Zacharda**

Robustocheles (Lewia) lacustris Zacharda, 1997: 1090

Type locality: Cypress Hills Provincial Park (Alberta – Saskatchewan)

Distribution: Canada

***Robustocheles (Lewia) obscuritata* Zacharda**

Robustocheles (Lewia) obscuritata Zacharda, 1997: 1094; Zacharda & Kučera, 2010: 5

Type locality: Gaspésie Provincial Park (Quebec)

Distribution: Canada, Finland

***Robustocheles (Lewia) spinaea* Zacharda**

Robustocheles (Lewia) spinaea Zacharda, 1997: 1094

Type locality: 20 m SE Gallup, New Mexico

Distribution: USA

Subgenus ***Mexia*** Zacharda

Mexia Zacharda, 1997: 1084

Type species: *Robustocheles (Mexia) longichelae* Zacharda, 1996

***Robustocheles (Mexia) longichelae* Zacharda**

Robustocheles (Mexia) longichelae Zacharda, 1997: 1085

Type locality: Chiapas, 7 m S El Bosque

Distribution: Mexico

***Robustocheles (Mexia) occulta* Zacharda et Pugsley**

Robustocheles (Mexia) occulta Zacharda & Pugsley, 1988: 646

Type locality: Alberta (Banff Nat. Park, Castleguard Cave); Iowa, Washington

Distribution: Canada, USA

Subgenus ***Robustocheles*** Zacharda

Robustocheles Zacharda, 1980: 528

Type species: *Robustocheles montana* Zacharda, 1980

***Robustocheles (R.) deltacus* Abou-Awad, El-Sawat et Abdel-Khalek**

Robustocheles (R.) deltacus Abou-Awad, El-Sawat & Abdel-Khalek, 2009: 145

Type locality: Ain Shams Univ., El Qalubiya

Distribution: Egypt

Robustocheles (R.) hamedanensis* ZachardaRobustocheles hamedanensis* Zacharda, 2012: 31

Type locality: Hamedan-Shokriyeh

Distribution: Iran

Robustocheles (R.) montana* ZachardaRobustocheles (R.) montana* Zacharda, 1980: 529

Type locality: Velká Fatra-Mountains, Černý Kameň, Slovakia

Distribution: Germany, Slovakia

Robustocheles (R.) mucronata* (Willmann)Rhagidia mucronata* Willmann, 1936: 297; 1951b: 143; Sellnick, 1940: 31; Evans, 1952: 666; Cooreman, 1954: 10; Haarløv, 1957: 31; Strandtmann & Prasse, 1977: 14*Robustocheles (R.) mucronata* (Willmann): Zacharda, 1980: 532; Abou-Awad, 1985: 258; Zacharda & Kučera, 2010: 5; Darbemamieh, Hajiqanbar & Khanjani, 2013: 456*Rhagidia neoshibai* Shiba, 1976: 132; syn.: Zacharda, 1984: 870*Robustocheles mucronata* (Willmann): Zacharda, 1994: 53

Type locality: Nuremberg, Germany

Distribution: Brazil, Corsica, Czech Republic, Denmark, Egypt, England, Finland, Germany, Iceland, Iran, Poland, Russia (Caucasus), Slovakia, Thailand, USA (Alaska), Vietnam

Robustocheles (R.) pascuaria* ZachardaRobustocheles (R.) pascuaria* Zacharda, 1997: 1076

Type locality: Cypress Hills Provincial Park

Distribution: Canada

Robustocheles (R.) robusta* ZachardaRhagidia mordax grandis* Willmann, 1935: 28; 1936: 296; Cooreman, 1959: 19; Leruth, 1939: 411*Robustocheles (R.) robusta* Zacharda, 1980: 537

Type locality: Czech Republic, Oblik Hill

Distribution: Belgium, Germany, Czech Republic, Switzerland

Robustocheles (R.) similis* ZachardaRobustocheles (R.) similis* Zacharda, 1997: 1080

Type locality: Nova Scotia, Cape Breton Highlands

National Park, Paquettes Lake Trail

Distribution: Canada

Genus ***Shibaia*** Zacharda

Shibaia Zacharda, 1980: 737

Type species: *Rhagidia longisensilla* Shiba, 1969

Shibaia coreaensis Zacharda

Rhagidia coreaensis Shiba, 1969: 608

Shibaia coreaensis Zacharda, 1980: 742; 1985: 598

Type locality: Samsheong-gun, Kangweon-do, Yongyeon-gul Cave near Yongyeon-gog, Changseong-eub

Distribution: South Korea

Shibaia heteropoda (Berlese)

Rhagidia heteropoda Berlese, 1910: 243

Rhagidia longisensilla Shiba, 1969a: 79; Baltac, 1974: 37

Type locality: “in muscis Etruriae”, Toiano, Piza

Distribution: Italy, Japan, Romania

Shibaia longisensilla (Shiba)

Rhagidia longisensilla Shiba, 1969: 79; 1969b: 608; Strandtmann, 1971: 104; ? Elliott & Strandtmann, 1971: 475; Baltac, 1974: 41; Strandtmann & Goff, 1978: 135; Goff, 1987: 35; Darbemamieh, Hajiqaanbar & Khanjani, 2013: 456

Shibaia longisensilla Zacharda, 1980: 738; Zacharda & Daniel, 1988: 58

Shibaia longicornis (Shiba, 1959) - Iran

Type locality: Japan

Distribution: Austria (3133 m), Czech Republic; Germany, Iran, Japan, Alaska, Hawaii, Korea, Nepal (3900 m)

Shibaia shereefi Abou-Awad

Shibaia shereefi Abou-Awad, 1985: 253

Type locality: Giza region

Distribution: Egypt

Shibaia spiraesolenidiata Zacharda

Shibaia spiraesolenidiata Zacharda, 1995: 594

Type locality: Nova Scotia, Kejim Kujuk Nat. Park

Distribution: Canada

Shibaia tatrica Zacharda

Shibaia tatrica Zacharda, 1980: 744

Type locality: High-Tatras, Mlynická dolina, 1450 m

Distribution: Slovakia

Genus ***Thoria*** Zacharda

Thoria Zacharda, 1980: 747

Type species: *Thoria brevisensilla* Zacharda, 1980

Thoria brevisensilla Zacharda

Rhagidia uniseta: Strandtmann, 1971: 105 (not *R. uniseta* Sig Thor, 1909)

Thoria brevisensilla Zacharda, 1980: 748; Goff, 1987: 35

Type locality: Bohemia bor., Oblik-Hill near Luny

Distribution: Czech Republic, Hawaii

Thoria uniseta s. l. (Sig Thor)

Rhagidia uniseta Sig Thor, 1909: 10; 1912: 236; Sellnick, 1940: 31; Thor & Willmann, 1941: 117; Mihelčič, 1958a: 103; Strandtmann, 1971: 105; Schmölzer, 1993: 59;

?*Rhagidia crassipes* Schweizer & Bader, 1963: 246

Thoria uniseta Zacharda, 1980: 752; Zacharda & Kučera, 2010: 5

Type locality: Norway

Distribution: Alaska, Austria, Czech Republic, Finland, Iceland, Norway, Switzerland

Genus ***Traegaardhia*** Zacharda

Traegaardhia Zacharda, 1980: 715

Type species: *Rhagidia dalmatina* Willmann, 1939

Traegaardhia cavernarum Zacharda

Traegaardhia cavernarum Zacharda, 2010: 26

Type locality: Buso del Marmo Cave (1202 V/BL), Quero (Belluno), Massiccio del Monte Grappa, Veneto, Italy (340 m)

Distribution: Italy

Traegaardhia cavernicola Zacharda

Traegaardhia cavernicola Zacharda, 2010: 13

Type locality: Grotte Vecchia Diga Cave, Barcis (Pordenone), Monte Cavallo mountain range, the Stubai Alps, Friuli

Distribution: Italy

Traegaardhia dalmatina (Willmann)

Rhagidia dalmatina Willmann, 1939: 244; 1951: 146; Mihelčič, 1958a: 103; 1958c: 38; Strandtmann, 1971: 103

? *Rhagidia gigas* var. *longipes* Trägårdh, 1912: 608

? *Rhagidia longipes*: Cooreman, 1959: 18

Rhagidia terricola var. *longipes* (Trägårdh): Verhoeff, 1912: 155

Traegaardhia dalmatina Zacharda, 1980: 715

Type locality: Croatia, Dalmatia, cave near Krivošije

Distribution: Austria, Croatia, ?Germany, France, Spain

***Traegaardhia distosolenidia* Zacharda**

Traegaardhia distosolenidia Zacharda, 2010: 36; Çetin et al., 2021: 232

Type locality: Arcugnano (Vicenza), the Monti Berici Mts, Veneto

Distribution: Italy, Turkey

***Traegaardhia gracilis* Zacharda**

Traegaardhia gracilis Zacharda, 2010: 31

Type locality: the Boia valley, Valdagno(Vicenza), the Lessinian Mts, Venetia

Distribution: Italy

***Traegaardhia holsingeri* (Zacharda)**

Foveacheles (Mediostella) holsingeri Zacharda, 1980: 677

Foveacheles cf. *holsingeri*: Zacharda, 1985: 78

Traegaardhia holsingeri (Zacharda): Zacharda et al., 2010: 45

Type locality: Kentucky, Mammoth Cave

Distribution: USA

***Traegaardhia nasuta* Zacharda**

Traegaardhia nasuta Zacharda, 2010: 21

Type locality: Buso dei Zambon Cave, San Pietro di Feletto (Treviso), the Hills of Conegliano, Veneto, northeastern Italy

Distribution: Italy

***Traegaardhia similis* Zacharda**

Traegaardhia similis Zacharda, 2010: 40

Type locality: Toney Bend Mine No. 2, Marion Co., Arkansas

Distribution: Italy

***Traegaardhia subterranea* Zacharda**

Traegaardhia subterranea Zacharda, 2010: 52

Type locality: Amarcord Cave (6391 V/VI), Valdagno (Vicenza), Lessinian Mts

Distribution: Italy

***Traegaardhia vicenzaensis* Zacharda**

Traegaardhia vicenzaensis Zacharda, 1994b: 93

Type locality: Veneto, M. Lessini, Torrebelvicino (Vicenza); quota 386 in a cave, Buso del Monte Naro

Distribution: Italy

Genus ***Troglocheles*** Zacharda

Troglocheles Zacharda, 1980: 646

Type species: *Rhagidia strasseri* Willmann, 1932

Troglocheles aggerata Zacharda

Troglocheles aggerata Zacharda, 2000: 472

Type locality: Tyrol, Oetztal Alps, Obergurgl

Distribution: Austria

Troglocheles archetypica Zacharda

Troglocheles archetypica Zacharda, 2000: 464

Type locality: Tyrol, Oetztal Alps, Obergurgl

Distribution: Austria

Troglocheles christiani Zacharda, Isaia et Piva

Troglocheles christiani Zacharda, Isaia & Piva, 2011: 656

Type locality: Türkenloch Cave near Kleinzell, 721 m

Distribution: Austria

Troglocheles gineti (Cooreman)

Rhagidia gineti Cooreman, 1959: 23; Strandtmann, 1971: 103; Dobat, 1976

?*Rhagidia conciana* Lombardini, 1951: 247

Troglocheles gineti: Zacharda, 1980: 655

Type locality: Ain, Grotte de la Buire

Distribution: France, Germany, Switzerland

Troglocheles lanai Zacharda, Isaia et Piva

Troglocheles lanai Zacharda, Isaia & Piva, 2011: 649

Type locality: Vallone dell'Infernotto

Distribution: Italy

Troglocheles odontochela (Turk)(species dubia)

Rhagidia odontochela Turk, 1972: 190

Troglocheles odontochela (Turk): Zacharda, 1984: 869

Type locality: England

Distribution: England

Troglocheles quinquesolenidiata Zacharda, Isaia et Piva

Troglocheles quinquesolenidiata Zacharda, Isaia & Piva, 2011: 643

Type locality: Buso Brutto Cave, 918 m

Distribution: Italy

Troglocheles strasseri (Willmann)

Rhagidia strasseri Willmann, 1932: 3; Thor & Willmann, 1941: 119; Mihelčič, 1958; Cooreman, 1954: 11; 1959: 22

Rhagidia gineti: Rack, 1974: 129, not *gineti* Cooreman

Troglocheles strasseri Zacharda, 1980: 650; 2000:

Type locality: shaft near Na Lazi, Tarnowaner Wald -Trnovski Gozd-Forest, Slovenia (lectotype)

Distribution: Austria, France, Slovenia, Switzerland

Troglocheles strasseri tirolensis Willmann

Rhagidia strasseri tirolensis Willmann (unpubl.); Zacharda, 1980: 650

Type locality: Austria, the Kaisergebirge-Mts., Estendorfer Schacht-shaft

Distribution: Austria

Troglocheles vandeli Zacharda

Troglocheles vandeli Zacharda, 1987: 2052

Type locality: The Pyrenees, Haute-Garonne, Herran, Trou Mille

Distribution: France

Troglocheles vornatscheri (Willmann)

Rhagidia vornatscheri Willmann, 1953: 218

Troglocheles vornatscheri Zacharda, 1980: 653; 2000:

Type locality: Austria, Herdengelhöhle Cave

Distribution: Austria

Genus ***Tuberostoma*** Zacharda

Tuberostoma Zacharda, 1980: 763

Type species: *Coccorhagidia gressitti* Womersley et Strandtmann, 1963

Tuberostoma gressitti (Womersley et Strandtmann)

Coccorhagidia gressitti Womersley & Strandtmann, 1963: 467; Strandtmann, 1967: 66

Tuberostoma gressitti (Womersley et Strandtmann): Zacharda, 1980: 764

Type locality: Antarctica, W.S.W. from Hallet Station

Distribution: Antarctica

Tuberostoma leechi (Strandtmann)

Rhagidia leechi Strandtmann, 1963: 463; Strandtmann, 1970: 100

Tuberostoma leechi (Strandtmann): Zacharda, 1980: 768

Type locality: Livingstone L, South Shetland Is., 62°42'S, by 60°26'W

Distribution: Antarctica, South Shetland, South Georgia

***Tuberostoma keithi* (Strandtmann)**

Coccorhagidia keithi Strandtmann, 1967: 67

Tuberostoma keithi (Strandtmann) Zacharda, 1980: 766

Type locality: Antarctica, Nunatak, 3 mi. NE, Mt. Mirray, Mowson Ge. area

Distribution: Antarctica

Genus ***Zachardaia*** Özdikmen

Krantzia Zacharda, 1983: 993 (nomen praeoccupatum)

Zachardaia Özdikmen, 2008: 220

Type species: *Krantzia quadriseta* Zacharda, 1983

***Zachardaia quadriseta* (Zacharda)**

Krantzia quadriseta Zacharda, 1983: 993

Type locality: Oregon, Jefferson Co., Camp Sherman

Distribution: USA

In the monograph of Zacharda (1980) are listed 48 species as «Species incertae sedis et inquirenda». Here is this list (shortly):

1. *Scyphius subterraneus* Absolon, 1899 - The type unknown.
2. *Rhagidia margaretae* Baltac, 1974 - Type not seen by Zacharda.
3. *Rhagidia strandtmanni* Baltac, 1976 - Type not seen by Zacharda.
4. *Rhagidia grandjeani* Baltac, 1976 - Type not seen by Zacharda.
5. *Rhagidia pallida* Banks, 1894 - The type unknown. Published also by Miller, 1925.
6. *Rhagidia cavicola* Banks, 1897 - The type unknown.
7. *Nörneria ? maxillata* Berlese, 1893 - Type not seen by Zacharda.
8. *Rhagidia subterranea* Berlese, 1905 - The type unknown.
9. *Rhagidia heteropoda* Berlese, 1910 - The type unknown.
10. *Megamerus fallax* Dugès, 1834 - The type unknown.
11. *Megamerus roseus* Dugès, 1834 - The type unknown. France.
12. *Rhagidia trisetata* Elliot et Strandtmann, 1971 - Type not seen by Zacharda.
13. *Rhagidia muscicola* Hull, 1918 - The type unknown. England.
14. *Scyphoides maxillatus* Karpeles, 1891 - The type unknown.
15. *Scyphius pyrrholeucus* Koch, 1838 - The type unknown.
16. *Scyphius cerinus* Koch, 1838 - The type unknown.
17. *Scyphius coarctatus* Koch, 1838 - The type unknown.
18. *Scyphius cylindricus* Koch, 1838 - The type unknown.
19. *Scyphius diaphanus* Koch, 1838 - The type unknown.
20. *Scyphius albellus* Koch, 1838 - The type unknown.
21. *Scyphius oblitteratus* Koch, 1838 - The type unknown.

22. *Scyphius elongatus* Koch, 1838 – The type unknown.
23. *Scyphius reflexus* Koch, 1838 – The type unknown.
24. *Scyphius hamatus* Kramer et Neuman, 1883 - The type unknown.
25. *Scyphius japonicus* Kramer et Neuman, 1883 - The type unknown.
26. *Nörneria cylindrica* Kramer, 1898 (nec *Scyphius cylindricus* Koch, 1838) - The type unknown.
27. *Gamasus halophilus* Laboulbene, 1851 - The type unknown.
28. *Rhagidia conciana* Lombardini, 1951 - The type unknown.
29. *Rhagidia comelicensus* Lombardini, 1962 - The type unknown.
30. *Rhagidia japonica* Morikawa, 1963 - Type not seen by Zacharda.
31. *Rhagidia mordax* Oudemans, 1906 - Type not seen by Zacharda.
32. *Rhagidia fragosa* Schuster, 1958 – The holotype unknown.
33. *Rhagidia raetica* Schweizer et Bader, 1963 - Type not seen by Zacharda.
34. *Rhagidia crassipes* Schweizer et Bader, 1963 - Type not seen by Zacharda.
35. *Coccorhagidia clavifrons* Shiba, 1969 - Type not seen by Zacharda.
36. *Coccorhagidia semiclavifrons* Shiba, 1969 - Type not seen by Zacharda.
37. *Rhagidia crenata* Shiba, 1969 - Type not seen by Zacharda.
38. *Scyphius maniacus* Stoll, 1890 - The type unknown.
39. *Rhagidia bidens* Sig Thor, 1909 - The type unknown.
40. *Rhagidia birulai* Sig Thor, 1909 - The type unknown. Yan Mayen I. (Macfadyen, 1954)
41. *Rhagidia megalochela* Trägårdh, 1907 - The type unknown.
42. *Rhagidia gigas* var. *longipes* Trägårdh, 1907 - The type unknown.
43. *Rhagidia mordax* var. *grandis* Willmann, 1936 - The type unknown.
44. *Rhagidia unidentata* Willmann, 1939 - The type unknown.
45. *Rhagidia dalmatina gigantea* Willmann, 1941 - The type unknown.
46. *Rhagidia paxi* Willmann, 1942 - The holotype fragmentary, probably a nymph.
47. *Rhagidia strouhali* Willmann, 1953 - The type unknown.
48. *Rhagidia pseudocrenata* Shiba, 1976 Malaysia Pasoh Forest Reserve

Index of Rhagidiidae

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

Achaetorhagidia 78
affinis, *Poecilophysis* 87
aggerata, *Troglocheles* 101
albellus, *Scyphius* 104
alpina, *Foveacheles* 82
Amoveocheles 95
archetypica, *Troglocheles* 101
Arctorhagidia 74

arena, *Poecilophysis* (*Soprocheles*) 8
arenaria, *Foveacheles* (*Usitorhagidia*) 83
arenaria, *Rhagidia* 83
Arhagidia 74
arizonensis, *Rhagidia* 91
auricularia, *Foveacheles* 79
Austrorhagidia 90
bentonensis, *Foveacheles* 83

berlesei, *Coccorhagidia* 76
bezdezensis, *Evadorhagidia* 77
bidens, *Rhagidia* 104
birulai, *Rhagidia* 104
brevichelae, *Foveacheles* 79
Brevipalpia 74
breviseta, *Rhagidia* 92
brevisensilla, *Thoria* 99
buettneri, *Rhagidia* 94
californiensis, *Robustocheles* 95
campbellensis, *Rhagidia* 90
canestrinii, *Foveacheles* 81
canestrinii, *Noerneria* 81
canestrinii, *Rhagidia* *gigas* var. 81
cannadasi, *Foveacheles* 79
capitata, *Coccorhagidia* 77
capitata, *Eskimaia* 77
carpatica, *Rhagidia* 92
caucasica, *Foveacheles* 79
cavernarum, *Rhyncholophus* 88
cavernarum, *Traegaardhia* 99
cavernicola, *Traegaardhia* 99
cavicola, *Rhagidia* 103
cegetensis, *Foveacheles* 79
cerinus, *Scyphius* 104
christiani, *Troglocheles* 101
clavacrinita, *Foveacheles* 83
clavacrinita, *Rhagidia* 83
clavifrons, *Coccorhagidia* 75, 104
clavifrons, *Nörneria* 75
clavifrons, *Rhagidia* 75, 104
clavisetosus, *Paracrassocheles* 86
coarctata, *Scyphius* 104
Coccorhagidia 75
comelicensis, *Rhagidia* 93, 104
compressa, *Rhagidia* 92
conciana, *Rhagidia* 104
corconica, *Evadorhagidia* 77
corconica, *Evadorhagidia* *oblikensis* 77
coreaensis, *Rhagidia* 98
coreaensis, *Shibaia* 98

crassipes, *Rhagidia* 104
Crassocheles 76
crenata, *Rhagidia* 94, 104
cryptosolenidiata, *Kouchibouguacia* 85
cubana, *Coccorhagidia* 75
cylindrica, *Norneria* 104
cylindricus, *Scyphius* 104
dalmatina, *Rhagidia* 100
dalmatina, *Traegaardhia* 100
danica, *Rhagidia* 92
Deharvengiella 91
deltacus, *Robustocheles* 96
dentata, *Robustocheles* 95
Dentocheles 87
diaphanus, *Scyphius* 104
distosolenidia, *Traegaardhia* 100
distisolenidiata, *Rhagidia* 92
divergens, *Coccorhagidia* 76
diversicolor, *Rhagidia* 94
diversicolor, *Scyphius* 104
Dongnaia 91
edaphica, *Dongnaia* 91
Elliotta 77
elongatus, *Scyphius* 89, 104
emendata, *Foveacheles* 83
Eskimaia 77
Evadorhagidia 77
evansi, *Coccorhagidia* 86
evansi, *Parallelorhagidia* 86
extraneostella, *Poecilophysis* 87
faeroensis, *Poecilophysis* 88
faeroensis, *Rhagidia* *gigas* var. 88
fallax, *Megamerus* 104
Flabellorhagidia 78
Foveacheles 78
fragosa, *Rhagidia* 81, 104
gelida, *Rhagidia* 94
gerlachei, *Rhagidia* *gigas* var. 90
gerlachei, *Rhagidia* 90
gigantea, *Foveacheles* 79
gigantea, *Rhagidia* *dalmatina* var. 104

gigas, *Norneria* 92
gigas, *Rhagidia* 92
gineti, *Rhagidia* 101
gineti*, *Troglocheles 101
goffi*, *Foveacheles 83
gracilis, *Traegardhia* 100
grahami, *Rhagidia* 95
grandis, *Rhagidia mordax* 104
grandjeani, *Rhagidia* 103
gressitti, *Coccorhagidia* 103
gressitti*, *Tuberostoma 103
halltalensis*, *Foveacheles 79
halophilus, *Gamasus* 104
hamatus, *Scyphius* 104
hamedanensis*, *Robustocheles 97
Hammenia 84
harmsworthi*, *Rhagidia
harzensis*, *Foveacheles 84
hawaiiensis*, *Parallelorhagidia 86
heteropoda, *Rhagidia* 98, 104
heteropoda*, *Shibaia 98
hilli, *Rhagidia* 95
hilli*, *Robustocheles 95
Hirschmannetta 80
holsingeri, *Foveacheles* 100
holsingeri*, *Traegardhia 100
howarthi*, *Elliotia 77
howarthi, *Flabellorhagidia* 77
incognita*, *Foveacheles 80
infernalis*, *Robustocheles 96
intermedia, *Rhagidia* (see *F. incognita*
Zacharda, 1980: 671)
Janes 84
janetscheki*, *Evadorhagidia 77
janetscheki, *Rhagidia* 87, 104
japonica, *Rhagidia* 104
japonicus, *Glyciphagus* 104
keithi, *Coccorhagidia* 103
keithi*, *Tuberostoma 103
kerguelenensis*, *Poecilophysis 88
kerguelensis, *Rhagidia* 88

Kouchibouguacia 85
krameri, *Rhagidia*
Krantzia (praeocc.) 103
lacustris*, *Robustocheles 96
lanai*, *Troglocheles 102
Latoempodia 85
leechi, *Rhagidia* 103
leechi*, *Tuberostoma 103
lemoni*, *Foveacheles 80
Lewia 95
Lindquistula 85
longichelae*, *Robustocheles 96
longicornis, *Shibaia* 98
longipes, *Rhagidia gigas* 104
longipes terricola, *Rhagidia* 90
longipes, *Rhagidia* 100
longisensilla, *Rhagidia* 98
longisensilla*, *Shibaia 98
longiseta, *Rhagidia* 92
macquariensis, *Rhagidia* 88
macquariensis*, *Poecilophysis 88
macroempodiata*, *Latoempodia 85
macrostella*, *Hammenia 84
magna*, *Foveacheles 80
maniacus, *Scyphius* 104
margaretae, *Rhagidia* 103
mariehammerae*, *Arctorhagidia 74
mariehammerae, *Rhagidia* 74
maxillata, *Norneria* 104
maxillatus, *Scyphioides* 104
Mediostella 80
megalochela, *Rhagidia* 104
Megameris 90
melanoseta*, *Poecilophysis 87
Mexia 96
mexicana*, *Foveacheles 84
meyerae*, *Rhagidia 95
mildredae*, *Rhagidia 91
minima*, *Brevipalpia 75
mira*, *Foveacheles 81
monothrix*, *Arhagidia 75

- montana*, *Coccorhagidia* (sp. inquir.) 75
montana, *Robustocheles* 97
mordax, *Rhagidia* 75, 104
mucronata, *Robustocheles* 97
mucronata, *Rhagidia* 97
multisolenidiata, *Lindquistula* 85
muralis, *Crassocheles* 76
muscula, *Rhagidia* 104
namcatiensis, *Foveacheles*
(Achaetorhagidia) 78
nasuta, *Traegardhia* 100
neoshibai, *Rhagidia* 97
Neothoria 85
niloticus, *Neothoria* 86
Norneria 90
Noerneria 91
oblikensis, *Evadorhagidia* 78
oblitteratus, *Scyphius* 104
obscuritata, *Robustocheles* 96
occulta, *Robustocheles* 96
odontochela, *Rhagidia* 102
odontochela, *Troglocheles* 102
oregonensis, *Poecilophysis* 89
orghidani, *Rhagidia* (sp. inquir.) 94
osloensis, *Foveacheles* 80
osloensis, *Rhagidia* 80
pallida, *Rhagidia* 103
Paracrassocheles 86
Parallelorhagidia 86
paralleloseta, *Foveacheles* 83
paralleloseta, *Rhagidia* 91
parva, *Parallelorhagidia* 86
parvilobata, *Rhagidia* 92
pasadenensis, *Rhagidia* 93
pascuaria, *Robustocheles* 97
paxi, *Rhagidia* 104
pecki, *Flabellorhagidia* 78
pittardi, *Coccorhagidia* 76
Poecilophysis 86
ponderosae, *Rhagidia* 93
pratensis, *Poecilophysis* 87
pratensis, *Rhagidia* 87
pratensis, *Scyphius* 87
pribilovi, *Foveacheles* 81
Procerocheles 88
Propriorhagidia 81
proxima, *Foveacheles* 81
Proxistella 82
pseudocrenata, *Rhagidia* (sp. inquir.) 105
pseudoreflexa, *Poecilophysis* 89
punkva, *Rhagidia* 93
pyrrholeucus, *Scyphius* 104
quadriseta, *Zachardaia* 103
quadriseta, *Krantzia* 103
qualiubeinsis, *Rhagidia* 94
quinqusetta, *Evadorhagidia* 78
quinqesolenidiata, *Troglocheles* 101
quinqesolenidiata, *Rhagidia* 93
rackae, *Rhagidia* 92
rafalskii, *Janes* 84
recussa, *Poecilophysis* 89
recussa, *Rhagidia* 89
reflexus, *Scyphius* 104
Rhagidia 90
Rhagidiidae 74
robusta, *Robustocheles* 97
Robustocheles 95
roseus, *Megamerus* 104
rupestris, *Foveacheles* 81
ruseki, *Rhagidia* 93
sateri, *Arctorhagidia* 74
sateri, *Coccorhagidia* 74
saxonica, *Poecilophysis* 89
saxonica, *Rhagidia* 89
Scyphius 90
Scyphioides 90
Scyphoides 90
semiclavifrons, *Coccorhagidia* (sp. inquir.)
76
serpentiforma, *Rhagidia* 91
shereefi, *Shibaia* 99
shibai, *Rhagidia* 89

- Shibaia* 98
similis, Latoempodia 85
similis, Traegaardhia 100
similis, Robustocheles 98
simulata, Foveacheles 82
Soprocheles 89
spelaea, Poecilophysis 89
spelaea, Rhagidia 89
spelaeus, Scyphius 89
Spelaeocheles 82
spinaea, Robustocheles 96
spiraesolenidiata, Shibaia 98
strandtmanni, Rhagidia 103
strasseri, Rhagidia 102
strasseri tirolensis, Troglocheles 102
strasseri, Troglocheles 102
strouhali, Rhagidia 105
subterranea, Coccorhagidia 76
subterranea, Rhagidia 76, 104
subterranea, Traegaardhia 101
subterraneus, Scyphius 76, 103
tatrica, Shibaia 99
tenorioae, Foveacheles 83
Ternirhagidia 82
terricola, Foveacheles 82
terricola, Rhagidia 82
terricola, Scyphius 82
terricolus, Scyphius 82
thaleri, Foveacheles 80
Thoria 99
titanica, Foveacheles 84
Traegaardhia 99
transcendata, Kouchibouguacia 85
tricuspidata, Robustocheles 95
trisetata, Rhagidia 104
Trofocheles 83
Troglocheles 101
troglogyta, Foveacheles (Spelaeocheles) 82
troglomorphica, Rhagidia (Deharvengiella) 91
tropica, Foveacheles (Achaetorhagidia) 78
Tuberostoma 103
tuktoyaktukensis, Foveacheles 81
uenoi, Rhagidia 95
unguiculata, Foveacheles 84
unidentata, Rhagidia 104
uniseta, Rhagidia 99
uniseta, Thoria 99
Usitorhagidia 83
vancouverensis, Foveacheles 81
vandeli, Troglocheles 102
varia, Rhagidia 93
vicenzaensis, Traegaardhia 101
virgo, Crassocheles 76
vitzthumi, Rhagidia (gen. et sp. indet.) 110
vornatscheri, Rhagidia 102
vornatscheri, Troglocheles 102
wankeli, Poecilophysis 87
wankeli, Rhagidia 87
Wankelia 90
weyerensis, Poecilophysis 87
whartoni, Rhagidia 87
willmanni, Foveacheles 81
wolmsdorfensis, Poecilophysis 90
wolmsdorfensis, Rhagidia 90
wolmsdorfensis, Rhagidia reflexa var. 90
zacharda, Neothoria 86
Zachardaia 103

Distribution of Rhagidiidae

EUROPE

Austria (Irk, 1939; Franz, 1943, 1954; Willmann, 1951a, 1951b, 1953; Janetschek, 1959, 1993; Mihelčič, 1957, 1958; Schmölzer, 1962, 1993; Zacharda, 1980, 1994, 2000d,

Zacharda, Isaia & Piva, 2011; Zacharda & Kučera, 2006) – *Coccorhagidia clavifrons*, *C. berlesei*, *C. divergens* (inquir.), *Evadorhagidia janetscheki*, *Foveacheles brevichelae*, *F. mira*, *F. osloensis*, *F. proxima*, *F. unguiculata*, *F. willmanni*, *Foveacheles* (*Proxistella*) *terricola*, *Foveacheles* (*Ternirhagidia*) *alpina*, *Poecilophysis* (*D.*) *pratensis*, *P. (D.) wankeli*, *Rhagidia gigas* (= *intermedia*), *R. longiseta*, *R. reflexa*, *Robustacheles mucronata*, *Shibaia longisensilla*, *Thoria uniseta*, *Traegaardhia dalmatina*, *Troglocheles aggerata*, *T. archetypica*, *T. christiani*, *T. strasseri*, *T. strasseri tirolensis*, *T. vornatscheri*,

Azerbaijan (Zacharda, 1983b) – *Poecilophysis* (*Dentacheles*) *pratensis*

Belgium (Leruth, 1939; Cooreman, 1943) – *Foveacheles terricola*, *Poecilophysis spelaea*, *Poecilophysis* (*Dentacheles*) *pratensis*, *Robustacheles* (*R.*) *robusta*,

Bulgaria (Turk, 1970) – *Poecilophysis spelaea*, *P. wolmsdorfensis*; *Inc. sedis*: *Rhagidia strouhali*

Croatia (Willmann, 1939; Zacharda, 1980) – *Traegaardhia dalmatina*

Czech Rep. (Wankel, 1861; Willmann, 1954; Zacharda, 1980, 1993, 2000d; Zacharda et al., 2005) – *Brevipalpia minima*, *Coccorhagidia clavifrons*, *Crassacheles muralis*, *C. virgo*, *Evadorhagidia bezdezensis*, *E. oblikensis*, *E. corcontica*, *Foveacheles osloensis*, *F. brevichelae*, *Foveacheles* (*Proxistella*) *terricola*, *F. (P.) simulate*, *Hammenia macrostella*, *Latoempodia macroempodiata*, *Poecilophysis arena*, *P. spelaea*, *P. pratensis*, *P. recussa*, *P. saxonica*, *P. wolmsdorfensis*, *P. (D.) wankeli*, *Rhagidia diversicolor*, *R. gelida*, *R. gigas*, *R. punkva*, *R. rackae*, *R. ruseki*, [*R. reflexa*], *Robustacheles mucronata*, *R. robusta*, *R. dentata*, *R. tricuspidata*, *Shibaia longisensilla*, *Thoria brevisensilla*, *Th. uniseta*, [*R. berlesei*]

Denmark (Haarløv, 1957) – *Coccorhagidia clavifrons*, *C. subterranea*, *Poecilophysis* (*Dentacheles*) *pratensis*, *Robustacheles mucronata*, *Rhagidia intermedia* (?)

Greenland (Trägårdh, 1904) – *Rhagidia gelida*

Faeroe Is. (Trägårdh, 1931) – *Poecilophysis faeroensis*

Yan Mayen I. (Macfadyen A. 1954) – *Coccorhagidia clavifrons*, *Rhagidia birulai*, *Rh. gelida*, *Rh. terricola*

Finland (Zacharda & Kučera, 2010) – *Rhagidia breviseta*, *Rh. diversicolor*, *Rh. gigas*, *Rh. longiseta*, *Rh. parvilobata*, *Poecilophysis pratensis*, *P. pseudoreflexa*, *P. spelaea*, *P. saxonica*, *Foveacheles brevichela*, *F. cegetensis*, *Robustacheles mucronata*, *R. obscuritata*, *Thoria uniseta*, *Evadorhagidia sp.*

France (contin.) (Berlese & Trouessart, 1889; Cooreman, 1954, 1959; Zacharda, 1980; 1987, Zacharda, Grafitti & Piva, 2011) – *Foveacheles canestrini*, *Foveacheles* (*Proxistella*) *terricola*, *Poecilophysis* (*Dentacheles*) *pratensis*, *P. spelaea*, *Rhagidia* (*Deharyengiella*) *troglocephala*, *Rhagidia* (*Noerneria*) *diversicolor*, *Rh. longipes*, *Traegaardhia dalmatina*, *Troglocheles gineti*, *T. strasseri*, *T. vandeli*, *Rh. halophila*

Corsica (Cooreman, 1954) – *Robustacheles mucronata*

Germany (C.L. Koch, 1835; Strandtmann & Prasse, 1977; Ehrnsberger, 1977a, 1977b; Willmann, 1934, 1955; Dobat, 1976; Zacharda, 1980) – *Coccorhagidia clavifrons*, *Foveacheles osloensis*, *F. magna*, *F. harzensis*, *F. clavacrinata*, *Poecilophysis faeroensis*, *P. (Dentacheles)* *pratensis*, *Rhagidia Buettneri*, *Rh. gigas* (= *danica*), *R. diversicolor*, *R.*

- clavicrinita*, *R. longipes*, *Robustochela montana*, *R. mucronata*, *R. robusta*, *Shibaia longisensilla*, *Parallelorhagidia evansi*, *Troglocheles genet*
- Great Britain** (Hull, 1918; Evans, 1952; Turk & Turk, 1952; Turk, 1972) – *Coccorhagidia clavifrons*, *C. subterranea*, *Poecilophysis spelaea*, *Rhagidia gigas*, *Robustochela mucronata*, *Troglocheles odontochela*, “*Rhagidia vitzthumi*”, “*Rhagidia muscicola*”
- Hungary** (Dudich et al., 1940) – *Coccorhagidia clavifrons*
- Iceland** (Sellnick, 1940) – *Poecilophysis faeroensis* = *reflexa*, *P. mucronata*, *P. pratensis*, *P. recussa*, *Rhagidia birulai*, *Rh. gelida*, *Rh. terricola*, *Thoria uniseta*,
- Surtsey** (Lindroth, Andersson, Böldvarsson & Richter, 1973) – *Rhagidiidae*
- Ireland** (Halbert, 1915) – *Rhagidia halophila*, *Rh. terricola*
- Italy (contin.)** (Canestrini, 1886; Berlese, 1905, 1910; Bottazzi, 1950; Lombardini, 1962; Zacharda, 2010, 2011a, Zacharda, Grafitti & Piva, 2011; Zacharda, Isaia & Piva, 2011,) – *Rhagidia comelicensis*, *Rh. gigas*, *Coccorhagidia clavifrons*, *C. subterranea*, *Foveacheles terricola*, *Traegaardhia cavernarum*, *T. cavernicola*, *T. distosolenidia*, *T. gracilis*, *T. nasuta*, *T. subterranea*, *Troglocheles lanai*, *T. quinquesolenidiata*
- Sardinia** (Zacharda, Grafitti & Piva, 2011) –
- Norway** (Sig Thor, 1909, 1912, 1934; Hippa & Koponen, 1989; Hippa et al., 1989; Zacharda & Kučera, 2010) – *Foveacheles (F.) osloensis*, *Foveacheles (Proxistella) terricola*, *Poecilophysis spelaea*, *Thoria uniseta*
- Beeren Eiland** (Thorell, 1872) – *Rhagidia gelida*
- Spitzbergen (Svalbard)** (Thorell, 1971; Oudemans, 1926; Szeniczak et al., 2020) – *Rhagidia gelida*
- Poland** (Jesionowska, 2002) – *Janes rafalskii*, *Rhagidia diversicolor*, *Robustochela mucronata*
- Romania** (Cooreman, 1951; Baltac, 1973, 1974, 1976, 1977b; Bannova, Sarmanova, Zhuravleva, 1977) – *Coccorhagidia montana*, *Poecilophysis spelaea*, *P. wolmsdorfensis*, *Rhagidia longipes*, *Rh. orghidani*, *Rh. margaretae* (sp.inquir.), *Rh. strandtmanni* (sp.inquir.), *Rh. grandjeani* (sp.inquir.), *Shibaia heteropoda* (sub «*Rhagidia longisensilla*)
- Russia (all, continent.)** (Thor, 1909; Mac Lean, Behan & Fjellbeg, 1978; Zacharda, 1983b) – [*Rh. birulae* Thor] *Coccorhagidia clavifrons*, *C. pittardi*, *Evadorhagidia bezdezensis*, *Foveacheles (F.) brevichelae*, *F. (F.) caucasica*, *F. (F.) cegetensis*, *Poecilophysis (Procerocheles) pseudoreflexa*, *Poecilophysis (Procerocheles) recussa*, *P. (Sophrocheles) saxonica*, *P. (Dentochela) pratensis*, *Rhagidia (Noerneria) punkva*, *Thoria brevisensilla*, *Th. uniseta*
- Crimea** (Khaustov, 2015) – *Paracrassochela clavisetosus*
- Slovakia** (Zacharda, 1980; 1988; Zacharda & Kučera, 2006; Kalúz, 2017) – *Coccorhagidia clavifrons*, *C. pittardi*, *Foveacheles rupestris*, *Foveacheles (Spelaeocheles) troglodyta*, *Latoempodia similis*, *Poecilophysis pratensis*, *P. saxonica*, *Poecilophysis (D.) wankeli*, *Robustochela montana*, *R. mucronata*, *Rhagidia gigas*, *Shibaia tatrica*
- Slovenia** (Willmann, 1932) – *Troglocheles strasseri*

Spain (cont.) (Mihelčič, 1958c; Barranco & Amate, 2000) - *Foveacheles cannadasi*, *F. terricola*, *Traegaardhia dalmatina*

Sweden (Hippa et al., 1989; Zacharda & Kučera, 2010) – *Evadorhagidia* sp., *Foveacheles osloensis*, *Poecilophysys faeroensis*, *P. pseudoreflexa*, *P. spelaea*, *P. weyerensis*, *Rhagidia gigas*, *Rh. ruseki*, *Robustacheles robusta*

Switzerland (Cooreman, 1954, 1959) – *Foveacheles (Proxistella) terricola*, *Poecilophysys (Procerocheles) faeroensis* (= *Rh. reflexa*), *Poecilophysys spelaea*, *Rhagidia diversicolor*, *Rh. gelida*, *Robustacheles (R.) robusta*, *Troglocheles gineti*, *T. strasseri*

Turkey (Çetin et al., 2021) – *Traegaardhia distosolenidia*

AFRICA

Egypt (Trägårdh, 1904b; Abou-Awad, 1985; Abou-Awad & El-Bagouri, 1986; Abou-Awad, El-Sawaf & Abdel-Khalek, 2009) - *Coccorhagidia clavifrons*, *Foveacheles (F.) lemoni*, *Neothoria niloticus*, *Robustacheles (R.) deltacus*, *R. (R.) mucronata*, *Shibaia shereefi*, *Thoria* sp., *Neothoria zacharda*, *Robustacheles (R.) deltacus*, *Rhagidia (R.) qualiubeinsis*

Nigeria – *Rhagidiidae* gen.sp.

South Africa (Meyer & Ryke, 1960) - *Coccorhagidia clavifrons*

ASIA

Cyprus (Zacharda, 2010) – *Foveacheles thaleri*

Iran (Zacharda et al., 2012; Darbemamieh, Hajiqanbar & Khanjani, 2013; Yazanpanah, Kazemi & Zacharda, 2014) – *Brevipalpia minima*, *Coccorhagidia clavifrons*; *C. pittardi*; *Foveacheles brevichelae*, *F. cegetensis*, *F. osloensis*, *Poecilophysys arena*, *P. faeroensis*, *P. pratensis*, *Rhagidia cf. breviseta*, *Robustacheles hamedanensis*, *R. mucronata*

Japan (Ehara, 1960; Morikawa, 1963; Shiba, 1969, 1971a, 1971b) – *Poecilophysys pratensis* (= *Rhagidia japonica* Morikawa), [*Rhagidia crenata*, *Rh. uenoi*], *Shibaia heteropoda* (= *longisensilla*)

Kirghizstan (Zacharda, 1983b) - *Poecilophysys (Procerocheles) pseudoreflexa*, *P. (Dentacheles) pratensis*, *P. (Sophrocheles) saxonica*, *Robustacheles mucronata*, *Thoria brevisensilla*

Korea (Shiba, 1969b; Zacharda, 1980) – *Shibaia coreanensis*,

Malaysia (Shiba, 1976) - *Rhagidia whartoni* = *Poecilophysys pratensis*, *Robustacheles (R.) mucronata* (sub *Rhagidia neoshibai*), *Rhagidia strandtmanni*, *Rh. pseudocrenata* (species inquirendae)

Nepal (Zacharda & Daniel, 1987) – *Brevipalpia minima*, *Coccorhagidia pittardi*, *Poecilophysys saxonica*, *Rhagidia rackae*, *Shibaia longisensilla*

Thailand (Zacharda, 1994c) – *Robustacheles mucronata*

Vietnam (Zacharda, 1994c) – *Foveacheles (Achaetorhagidia) namcatiensis*, *F. (A.) tropica*, *Rhagidia (Dongnaia) edaphica*, *Robustacheles mucronata*

NORTH AMERICA

Canada (Banks, 1919; Zacharda, 1980; 1985, 1986, 1995, 1997; Zacharda & Pugsley, 1988; Beaulieu et al., 2019) – *Coccorhagidia clavifrons*, *Evadorhagidia quinqueseta*,

Foveacheles arenaria, *F. brevichelae*, *F. tuktoaktukensis*, *Foveacheles* (*Mediostella*) *vancouverensis*, *Kouchibouguacia cryptosolenidiata*, *K. transcendata*, *Lindquistula multisolenidiata*, *Parallelorhagidia parva*, *Poecilophysis pseudoreflexa*, *Rhagidia gelida*, *Rhagidia* (*Noerneria*) *compressa*, *Rh.* (*N.*) *distisolenidiata*, *Rh.* (*N.*) *parvilobata*, *Rh.* (*N.*) *pasadenensis*, *Robustoches* (*Lewia*) *lacustris*, *R.* (*L.*) *obscuritata*, *R.* (*R.*) *similis*, *Robustoches* (*Mexia*) *occulta*, *R. pasquaria*, *Shibaia spiraesolenidiata*

Mexico (Elliott & Strandtmann, 1971; Zacharda & Elliott, 1986; Zacharda, 1995, 1997) – *Rhagidia* (*N.*) *quadrisolenidiata*, ?*Robustoches infernalis*, *R. longichelae*, ?*R. trisetatus*

USA (Banks, 1894, 1897, 1904; Call, 1897; Holsinger, 1965; Strandtmann, 1971; Elliott, 1976; Zacharda, 1980; 1983; 1985, 1986, 1995, 2010, 2011; Zacharda & Elliott, 1983; Lindquist & Zacharda, 1987; Zacharda et al., 2010) – *Arhagidia monothrix*, *Coccorhagidia clavifrons*, *Elliotta howarthi*, *Foveacheles bentonensis*, *Foveacheles* (*Trofocheles*) *paralleloseta*, *Foveacheles* (*Propriorhagidia*) *tuktoyaktukensis*, *Zachardaia quadriseta*, *Poecilophysis* (*Dentoches*) *affinis*, *P.* (*D.*) *extraneostella*, *P.* (*D.*) *pratensis*, *P.* (*D.*) *weyerensis*, *Poecilophysis* (*Proceroches*) *oregonensis*, *P. melanoseta*, *P. saxonica*, *P.* (*Wankelia*) *wolmsdorffensis*, *Rhagidia cavicola*, *Rh. diversicolor*, *Rh.* (*Noerneria*) *arizonensis*, *Rh.* (*Noerneria*) *ponderosae*, *R. varia*, *Robustoches* (*R.*) *pascuaria*, *Robustoches* (*Amoveoches*) *californiensis*, *Robustoches* (*Lewia*) *hilli*, *R. mucronata*, *Traegaardhia holsingeri*, *T. similis*

Alaska (Strandtmann, 1971; Zacharda, 1980, 1996; Zacharda & Elliott, 1985, Zacharda & Pugsley, 1988) – *Arctorhagidia mariehammerae*, *A. sateri*, *Coccorhagidia pittardi*, *Eskimaia capitata*, *Foveacheles pribilovi*, *Kouchibouguacia transcendata*, *Robustoches mucronata*, *R. hilli*, *R. occulta*, *Rhagidia gelida*, *Thoria uniseta* [*Rh. whartoni*, *Rh. shibai*]

Hawaii (Strandtmann & Goff, 1978; Zacharda, 1980; 1982; Goff, 1987) – *Coccorhagidia clavifrons*, *Elliotta howarthi*, *Foveacheles goffi*, *F. tenorioae*, *Parallelorhagidia hawaiiensis*

SOUTH and CENTRAL AMERICA

Argentina (Bedano, 2004) – *Coccorhagidia clavifrons*

Brazil – *Robustoches mucronata*

Chile (Kramer, 1898) – *Rhagidia krameri* Sig Thor, 1941= *Nörneria cylindrica* Kramer, 1898

Cuba (Baltac, 1977a) – *Coccorhagidia cubana* (sp. inquir.)

Nicaragua (Maes et al., 1989) – *Robustoches* (*R.*) *mucronata*

OCEANIA

Australia (continent) (Wood, 1970, Qin, 1998) – *Rhagidia* sp.

New Zealand (Qin, 1998) – *Coccorhagidia clavifrons*

Macquarie Island (Womersley & Strandtmann, 1963; Luxton, 1990) – *Poecilophysis macquariensis*

Campbell Island (Strandtmann, 1964) – *Rhagidia mildredae*

ANTARCTICA

Antarctida (Trouessart, 1903; Zacharda, 1980) – *Rhagidia* (*Austrorhagidia*) *gerlachei*

Possession I. (Strandtmann & Davies, 1972) – *Poecilophysys kerguelensis*

South Georgia (Strandtmann, 1970) – *Rhagidia (Austrorhagidia) gerlachei*, *Tuberostoma leechi*

Patria incognita (Zacharda, 1980) – *Foveacheles emendata*

Bibliography of Rhagidiidae

- Abou-Awad B.A. 1985. The Rhagidiid mites of Egypt (Acari: Eupodoidea: Rhagidiidae). – *Acarologia*, **26**(3): 253 – 259.
- Abou-Awad B.A., M.E. El-Bagoury. 1986. New genus and species of Lower Egypt mites of the family Rhagidiidae (Acari: Eupodoidea: Rhagidiidae). – *Bulletin of the Zoological Society of Egypt*, **34**: 59 – 63.
- Abou-Awad B.A.; B.M. El-Sawaf, A.A. Abdel-Khalek. 2009. Four new species of Rhagidiid mites from Egypt (Acari: Eupodoidea: Rhagidiidae). – *Acarologia*, **49** (3-4): 139-155.
- Alberti G., R. Ehrnstberger. 2017. Fine Structure of the Rhagidial-Organs of the Prostigmatid mite *Rhagidia halophila* (Laboulbène, 1851)(Actinotrichida, Rhagidiidae). – *Soil Organisms*, **89**(2): 69 – 74.
- André M. 1947. Croisière du Bougainville aus îles australes françaises. XVII Acariens. – *Mém. Mus. natn. Hist. nat.*, **20**: 65-100.
- Badejo M.A., B.A. Ola-Adams. 2000. Abundance and diversity of soil mites of fragmented habitats in a biosphere reserve in Southern Nigeria. – *Pesquisa Agropecuária Brasileira*, **35**(11): 2121 – 2128.
- Baltac M. 1973. Contribution à étude du genre *Rhagidia* (Acarina, Actinotrichida, Prostigmata). – *Travaux de l'Institut de Spéologie, «Emile Racovitza»*, **12**.
- Baltac M. 1974. Sur deux espèces de rhagidiidés de Roumanie: *Rhagidia margaretae* n.sp. et *Rhagidia longisensilla* Shiba (Acarina, Actinotrichida - Prostigmata). – *Trav. Inst. Speol. «Emile Racovitza»*, **13**: 37 – 42.
- Baltac M. 1976. Remarques sur quelques Rhagidiidae des Carpates Méridionales. Deux nouvelles espèces: *Rhagidia strandtmanni* n. sp. et *Rhagidia grandjean* n. sp. (Acarina - Actino-tzichida-Prostigmata). *Trav. Inst. Spéol. «Emile Racovitza»*, **15**. 53–61.
- Baltac M. 1977a. Une nouvelle espèce de Rhagidiidae de Cuba: *Coccorhagidia cubana* n. sp. (Acarina – Actinotrichida – Prostigmata). – *Résultats des Expéditions Biospéléologiques Cubano – Roumaines à Cuba, Bucarest*, **2**: 197 – 200.
- Baltac M. 1977b. Deux espèces nouvelles de Rhagidiidae de Roumanie (Acarina – Actinotrichida – Prostigmata). – *Trav. Inst. de Spéologie « E. Racovitza »*, Bucharest, **16**: 57 – 61.
- Banks N. 1894. Some new American Acarina. – *Transactions of the American Entomological Society (Philadelphia)*, **21**(2): 209 – 222.
- Banks N. 1900. On two genera of mites. – *The Canadian Entomologist*, **32**(2): 30 – 33.
- Banks N. 1919. The Acarina collected by the Canadian Arctic Expedition, 1913-18. – *Rept. Can. Arct. Exped., 1913-18, III, Insects, Part H: Spiders, Mites, and Myriapods, Southern Party - 1913 - 16*: 11.

- Barranco P., J. Amate. 2000. Descripción de una nueva especie del género *Foveacheles* Zacharda, 1980. (Acari, Rhagidiidae). – *Mémoires de Biospéologie*, **27**: 15 – 20.
- Beaulieu et al. 2019. Acari of Canada. – *ZooKeys*, **819**: 77 – 168.
- Bedano J.C. 2004. Soil prostigmatid mites (Acari: Prostigmata) of Argentina: an annotated checklist. – *Systematic and Applied Acarology*, **9**: 45-52.
- Behan V.M. 1978. Diversity, distribution and feeding habits of North American arctic soil Acari. PhD thesis, McGill University, Montreal.
- Berlese A. 1905. Acari nuovi. – *Redia*, **2** : 231 – 238.
- Berlese A. 1910. Lista de nuove specie e nuovi generi di Acari. – *Redia*, **6**: 242 – 271.
- Berlese A. 1917. Acariens. Deuxième Expédition Antarctique Française (1908 – 1910). *Sciences Naturelles. Documents scientifiques*, 1 – 9.
- Berlese A., E.L. Trouessart. 1889. Diagnoses d'acariens nouveaux ou peu connus. – *Bull. Biblioth. Sci. Ouest.*, **2**(2) : 126 – 130.
- Bottazzi E. 1950. Primo contributo alla fauna di Trombidiformes (Acari) del Parmense. – *Mon. Zool. Italiano*, **58**: 28 – 44.
- Call R. E. 1897. Some notes on the flora and fauna of the Mammoth Cave, Ky. – *The American Naturalist*, **31**: 377 – 392.
- Cambridge O.P. 1876. On a new Order and some new genera of Arachnida from Kerguelen's Land. – *Proc. Zool. Soc. London*, 1876: 262.
- Canestrini R. 1886. Prospetto dell'Acarofauna Italiana. Familia degli Eupodini. – *Atti Ist. veneto Sci.*, **6**, **4**: 693- 734.
- Cooreman J. 1943. Note sur la faune des Hautes-Fagnes en Belgique (1). XII Acariens (Trombidiformes)(2). – *Bull. Mus. r. d'Hist. nat. de Belgique*, **19**(64): 1 – 16.
- Cooreman J. 1951. Études biospéologiques. XXXIV (1). Acariens de Transylvanie. – *Bull. Mus. r. d'Hist. nat. de Belgique*, **19**(64): 1 – 15.
- Cooreman J. 1954. Notes sur quelques Acariens de la faune cavernicole. – *Inst. R. Sci. Nat. de Belgique*, **30**(34): 1 – 19.
- Cooreman J. 1959. Notes sur quelques acariens de la faune cavernicole (2^{me} Série). – *Bull. Inst. r. Sci. nat. Belg.*, **35**(34): 1 – 40.
- Çetin C.Ç., E. Turantepe, M.F. Gürbüz. 2021. Arthropoda fauna of Zindan Cave (Isparta, Turkey) with notes on new records and some ecological characteristics. – *Türk. Entomol. Derg.*, **45**(2): 229 – 243.
- Darbemamieh M., H. Hajiqanbar, M. Khanjani. 2013. A checklist of Iranian Eupodoidea (Acari: Prostigmata). – *Journal of Crop Protection*, **2**(4): 453-460.
- Dudich E., G. Kolosváry, L. Szalay. 1940. Bars vármegye pókszabású (Arachnoidea -) faunájának alapvetése. – *A matematikai és természettudományi közlemények*, **38**(3): 3 – 71.
- Dugès A. 1834. Recherches sur l'ordre des Acariens. – *Ann. Sci. Nat., Zoologie. Ser.2*, **2**: 18 – 63.
- Edwards M., M.B. Usher. 1987. The adult and juvenile stages of two predatory mites, *Rhagidia gerlachei* and *Tuberostoma leechi*, in the Maritime Antarctic. – *Br. Antarct. Surv. Bull.*, **74**: 37 – 48.
- Ehara S. 1960. Comparative studies on the internal anatomy of three Japanese trombidiform acarids. – *J. Fac. Sci. Hokkaido Univ., Zool.*, **14**(6): 410-433.

- Ehrensberger R. 1974. Prälarval und Larvalentwicklung bei Rhagidiiden (Acarina: Prostigmata). - Osnabrücker naturw. Mitt., **3**: 85 -117.
- Ehrensberger R. 1977a. Fortpflanzungsverhalten der Rhagidiidae (Acarina Trombidiformes). - Acarologia, **19**: 67 - 73.
- Ehrensberger R. 1977b. Zwei neue Rhagidien aus Norddeutschland: *Rhagidia danica* n.sp. und *Rhagidia clavicrinita* n.sp. (Acari, Prostigmata). - Osnabrücker Naturwissenschaftliche Mitteilungen, **5**:
- Elliott W. R. 1976. New cavernicolous Rhagidiidae from Idaho, Washington, and Utah (Prostigmata: Acari: Arachnida). - Occ. Pap. Mus. Texas Tech. Univ., **43**: 1-15.
- Elliott W. R., R. W. Strandtmann. 1971. New locality records for *Rhagidia* from Mexican and American caves. - Kans. ent. Soc., **44**: 468 - 475.
- Evans G.O. 1952. Terrestrial Acari new to Britain. II. - Ann. Mag. Nat. Hist., ser.12, **5**: 661 - 675.
- Evans G. O., J. G. Sheals, D. Macfarlane. 1961. The terrestrial Acari of the British Isles. - Vol. I. 219 pp.
- Franz H.1943. Die Landtierwelt der mittleren Hohen Tauern. - Denkschriften der Akademie der Wissenschaften in Wien, Mat.-naturwiss. Klasse, **107**: 1 - 552.
- Franz H. 1954. Die Nordost-Alpen im Spiegel ihrer Landtierwelt, Bd.1, Innsbruck: Universitätsverlag Wagner.
- Gless E. 1967. Notes on the biology of *Coccorhagidia gressitti* Womersley and Strandtmann. - Antarctic Res. Ser., **10**: 321-323.
- Goff M. L. 1987. A Catalog of Acari of the Hawaiian Islands. - Research Extension Series 075: 75 pp.
- Haarløv N. 1957. Miroarthropods from Danish soils. Systematics. - Spolia Zool. Mus. Hauniensis, **17**: 60 pp.
- Haarløv N. 1960. Miroarthropods from Danish soils. Ecology, Phenology. - Oikos suppl. 3: 176 pp.
- Halbert J.N. 1915. Clare Island Survey. Part 39 Acarinida. Section II. Terrestrial and marine Acarina. - Proc. R. Irish Acad., **39**(2): 45 - 136.
- Halbert J.N. 1920. The Acarina of the seashore. - Proc. R. Irish Acad., **35B**(7): 106 - 152.
- Hallas Th. E. 1978. Fortegnelse over danske mider (Acari). - Ent. Meddr., **46**: 27 - 45.
- Halliday B. 2005. Predatory mites from crops and pastures in South Africa: potential natural enemies of redlegged earth mite *Halotydeus destructor* (Acari: Pentheleidae). - Zootaxa, **1079**: 11-64.
- Hippa H., S. Koponen, R. Mannila, M. Zacharda. 1989. Invertebrates of Scandinavian caves VIII. Acari: Rhagidiidae. - Notulae Entomologicae, **69**: 59 - 62.
- Holsinger J. R. 1965. Redescriptions of two poorly known species of cavernicolous rhagidiid mites (Acarina: Trombidiformes) from Virginia and Kentucky. - Acarologia, **7**: 654 - 662.
- Hull J.E. 1918. Terrestrial Acari of Tyne Province. - Trans. Nat. Hist. Soc. Northumb. (N.S.): **5**(1): 13 - 88.
- Irk V. 1939. Die terricolen Acari der Ötztaler und Stubai Hochalpen. - Ver. Mus. Ferdinandeum Innsbruck, **19**: 145 - 190.

- Janetschek H. 1959. Über die tierische Wiederbesiedlung im Hornkees-Vorfeld (Zillertalen Alpen). – *Schlern-Schriften*, **188**: 209 – 246.
- Janetschek H. 1993. Über Wirbellosen-Faunationen in Hochlagen der Zillertaler Alpen. – *Ber. natwiss. – medizinischen Vereins (Innsbruck)*, **80**: 121 – 165.
- Jesionowska K. 2002. New genus and species of the family Rhagidiidae (Acari, Actinedida Eupodoidea) from Poland. – *Acta zoologica cracoviensia*, **45**(3): 173-184.
- Kalúz S. 2017. Contribution to the knowledge on the mite family Rhagidiidae (Acari: Prostigmata) in Slovakia. – *Entomofauna carpathica*, **29**(1): 5 – 38.
- Karg W. 1962. Räuberische Milben im Boden. – *Die neue Brehm-Bucherei*. Wittenberg Lutherstadt., 64 pp.
- Khaustov A.A. 2015. A new genus and species of the family Rhagidiidae (Acari: Eupodoidea) from Crimea. – *International Journal of Acarology*, **41**(7): 617–623.
- Koch C. L. 1835. Deutschlands Crustaceen, Myriapoden und Arachniden. – Fasc. 1, 14. Regensburg.
- Koch C. L. 1838. Deutschlands Crustaceen, Myriapoden und Arachniden. – Fasc. 17, 23. Regensburg.
- Krantz G. W. 1970. A manual of Acarology. – O. S. U. Book Stores, Inc., Corvallis, Oregon, 135 pp.
- Krantz G. W. 1978. A manual of Acarology. 509 pp.
- Krantz G.W., D.E. Walter (eds.). 2009. A Manuel of Acarology. Third Edition. Texas Tech. University Press, 807 p.
- Krogerus R. 1932. Ueber die Oekologie und Verbreitung der Arthropoden der Triebsandgebiete Finnlands. – *Acta zool. fennica*, **12**: 1-308.
- Kuznetsov N.N., V.M. Petrov. 1984. Predatory Mites of the Baltic Region (Parasitiformes: Phytoseiidae, Acariformes: Prostigmata). Zinatne, Riga. 144 p. (in Russian)
- Leruth R. 1939. La biologie du domaine souterrain et la faune cavernicole de la Belgique. – *Mém. Mus. Royal d'Histoire Naturelle de Belgique, Mémoire No 87*, 506 pp.
- Lindquist E.E., M. Zacharda. 1987. A new genus and species of Rhagidiidae (Acari: Prostigmata) from Chihuahuan Desert litter in New Mexico. – *Can. J. Zool.*, **65**: 2149 – 2158.
- Lindroth C.H., H. Andersson, H. Böldvarsson, S.H. Richter. 1973. Surtsey, Iceland. The Development of a New Fauna, 1963-1970 Terrestrial Invertebrates. – *Entomologica Scandinavica*, Suppl. 5, Munksgaard, Copenhagen. Eupodoidea and Bdelloidea on p. 125 – 129.
- Lombardini G. 1951. Acari nuovi. – *Redia*, **36**: 245-250.
- Lombardini G. 1962. Acari nuovi del Comelico (Alpi orientali). – *Ann. Centro Econ. Montana delle Venezie*, Padova, **4**: 191.
- Luxton M. 1990. The marine littoral mites of the New Zealand region. – *Journal of the Royal Society of New Zealand*, **20**(4): 367 - 418.
- Macfadyen A. 1954. The invertebrate fauna of Jan Mayen Island (East Greenland). – *Journal of Animal Ecology*, **23**(2): 261 – 297.

- Mac Lean S.F., V. Behan, A. Fjellbeg. 1978. Soil Acari and Collembola from Chaun Bay, Northern Chukotka, USSR. – *Arctic and Alpine Research*, **10**(3): 559 – 568.
- Maes J.-M., J.G. Palacios Vargas, M.L. Jimenez. 1989. Catalogo de los Artropodos Terrestres no Insectos. – *Revista Nicaraguense de Entomologia*, **7**: 1-55.
- Meyer M. K. P., P. A. J. Ryke. 1960. Mites of the superfamily Eupodoidea (Acarina: Prostigmata) associated with South African plants. – *S. Afr. J. agric. Sci.*, **3**: 481-496.
- Mihelčič F. 1958a. Milben (Acarina) aus Tirol und Voralberg. – *Veroff. Mus. Ferdinandeum, Innsbruck*, **37**, 1957: 99 – 120.
- Mihelčič F. 1958b. Prostigmata Südeuropas (Spanien). – *Eos, Madrid*, **34**(3): 269 – 290.
- Mihelčič F. 1958c. Zoologisch-systematische Ergebnisse der Studienreise von H. Janetschek und W. Steiner in die spanische Sierra Nevada 1954. IX. Milben (Acarina). – *S.B. Ost. Akad. Wiss., I*, **167**(1-2): 35 – 57.
- Miller A.E. 1925. An introductory study of the Acarina, or mites, of Ohio. – *Bulletin of the Ohio Agricultural Experiment Station*, **386**: 85 – 172.
- Morikawa K. 1963. Terrestrial prostigmatic mites from Japan I. Some new species of Eupodidae and Rhagidiidae. – *Acta arachnologica*, **18**: 13-20.
- Oudemans A.C. 1922. Acarologische Aanteekeningen. LXVII. *Ent. Ber.*, **6**: 81-84.
- Oudemans A.C. 1926. Acari von Svalbard (früher "Spitzbergen"). – *Archiv f. Naturgeschichte*, **92**, Abt. A, **5**: 106 – 127.
- Özdikmen H. 2008. Nomenclatural changes for a family group name and twelve genus group names in Acari. – *Munis Entomology and Zoology*, **3**: 211 – 212.
- Rack G. 1974. Milben (Acarina) aus Höhlen der Schwabischen Alb und einiger anderer Höhlen. – *Jh. Ges. Naturkde. Württ.*, **129**: 128-137.
- Ružička V., J. Hajer, M. Zacharda. 1995. Arachnid population patterns in underground cavities of a stony debris field (Araneae, Opiliones, Pseudoscorpionidea, Acari : Prostigmata, Rhagidiidae). – *Pedobiologia*, **39**: 42 – 51.
- Schmölzer K. 1962. Die Kleintierwelt der Nunatakter als Zeugen einer Eiszeitüberdauerung. – *Mitt. Zool. Mus. Berlin*, **38**(2): 171 – 400.
- Schmölzer K. 1993. Die hochalpinen Landmilben der östlichen Brennerberge (Acarina terrestria). – *Veröff. des Museum Ferdinandeum*, **73**: 47 – 67.
- Schuster R. 1958. Neue terrestrische Milben aus dem Mediterranen Litoral. – *Vie et Milieu*, **9**: 88-109.
- Schuster R. 1969. Die terrestrische Milbenfauna Südamerikas in zoogeographischer Sicht. In: *Biogeography and Ecology in South America*. Dr. W. Junk N. V., Publishers, The Hague, 741-763 pp.
- Schweizer J., C. Bader. 1963. Die Landmilben der Schweiz (Mittelland, Jura und Alpen) – *Trombidiformes Reuter*. – *Denkschr. schweiz. naturf. Ges.*, **84**: 209 -378.
- Sellnick M. 1940. Die Milbenfauna Islands. – *Göteborgs Kungl. Vetenskaps-och Vitterhets-Samhälles Handlingar, ser. B*, **6**(14): 129 pp.

- Shiba M. 1969a. Taxonomic investigations on free-living mites in the subalpine forest on Shiga Heights IBP area II. Prostigmata. - Bull. natn. Sci. Mus., **12**: 65-115.
- Shiba M. 1969b. Results of the speleological survey in South Korea 1966. XVI. Prostigmatid Mites (Acarina) from South Korea. - Bull. natn. Sci. Mus., **12**(3): 607-613.
- Shiba M. 1971a. The fauna of the insular lava caves in West Japan. – VI. Rhagidiidae (Acarina). - Bull. natn. Sci. Mus., **14**(2): 157-160.
- Shiba M. 1971b. The fauna of Lava Caves around Mt. Fuji-san III. Prostigmata (Acari). - Bull. Nat. Sci. Mus. Tokyo, **14** (2): 221-229.
- Shiba M. 1976. Taxonomic investigation on free-living Prostigmata from the Malay Peninsula. – Nature and Life in Southeast Asia, 7: 83 – 229.
- Strandtmann R. W. 1964. Insects of Campbell Island. Prostigmata: Eupodidae, Penthlodidae, Rhagidiidae, Nanorchestidae, Tydeidae, Ereynetidae. - Pacif. Insects Monogr., 7: 148-165.
- Strandtmann R. W. 1967. Terrestrial Prostigmata. Entomology of Antarctica. - Antarct. Res. Ser., **10**: 51-80.
- Strandtmann R. W. 1970. Acarina: Eupodiform Prostigmata of South Georgia. - Pacif. Insects Monogr., **23**: 89-106.
- Strandtmann R. W. 1971. The eupodoid mites of Alaska (Acarina: Prostigmata). - Pacif. Insects, **13**(1): 75 - 118.
- Strandtmann R. W., L. Davies. 1972. Eupodiform mites from Possession Island, Crozet Islands, with a key to the species of *Eupodes* (Acarina: Prostigmata). - Pacif. Insects, **14**(1): 39-56.
- Strandtmann R. W., M. L. Goff. 1978. The Eupodoidea of Hawaii (Acarina: Prostigmata). – Pacific Insects, **19**(3-4): 121 – 143.
- Seniczak A., S. Seniczak, M. D. Schwarzfeld, S. J. Coulson, D. J. Gwiazdowicz. 2020. Diversity and Distribution of Mites (Acari: Ixodida, Mesostigmata, Trombidiformes, Sarcoptiformes) in the Svalbard Archipelago. - Diversity, **12**(9): 323; <https://doi.org/10.3390/d12090323>
- Thor S. 1909. Ueber die Acarina der russischen Polar-Expedition 1900- 1903. - Mém. Acad. St.-Pétersb., Ser. 8, **14**: 1 - 22.
- Thor S. 1912. Verzeichnis der in Norwegen gefundenen Eupodidae. – Zool. Anz., **39** (5/6): 235 – 237.
- Thor S. 1934. Ueber das “Rhagidia-Organ” bei den Arten der Acarienfamilie Rhagidiidae. - Zool. Anz., **105**: 313-318.
- Thor S., C. Willmann. 1941. Acarina. Eupodidae, Penthlodidae, Penthaleidae, Rhagidiidae, Pachygnathidae, Cunaxidae. - Das Tierreich, **71a**, 186 pp.
- Thorell T. 1872. Om Arachnider från Spetsbergen och Beeren-Eiland. – In: Öfvers. Konigl. Vet. Akad. Förh., Stockholm, **28**(6): 683 – 702.
- Trägårdh I. 1904a. Monographie der arktischen Acariden. - Fauna Arctica, **36**, 4, p. 1-78.
- Trägårdh I. 1904. Acariden aus Ägypten und dem Sudan. Zugleich ein Beitrag zur Kenntnis der Entwicklungsgeschichte der Gattungen *Phytoptipalpus*, *Pimeliaphilus*, *Pterygosoma* und *Podapolipus*. - Results of the Swedish Zoological Expedition to Egypt and the White Nile 1901 under the Direction of L. A. Jägerskiöld, 20[1]: 124 pp.

- Trägårdh I. 1907. The Acari of the Swedish South South Polar Expedition. – Wiss. Ergebnisse der Schwedischen Südpolar-Expedition 1901-1903, 5(11): 1- 34.
- Trägårdh I. 1912. Biospeleologica 22 (Acari). – Arch. Zool. exp. gén., Sér. 5, 8: 519 -622.
- Trägårdh I. 1931. XLIX. Terrestrial Acarina. In.: The Zoology of the Faroes, 2(49): 1-69.
- Trouessart E. 1903. Acariens (Trombidide, Eupodide, Gamasidae). – Résultats du Voyage du S.Y. Belgica en 1897 – 1898 – 1899. Rapports Scientifiques, Zoologie, 3 – 10.
- Turk F.A. 1970. Some notes on the Acari and Myriapoda collected by Dr.P.Brown and Mr.W.G.R.Maxwell in Bulgarian caves. - Trans. Cave res. Group of Great Britain, Ledbury: 12(1): 39 - 41.
- Turk F.A. 1972. Biological notes on Acari recently recovered from British caves and mines with descriptions of three new species. - Trans. Cave res. Group of Great Britain, Ledbury: 14(4): 187 – 194.
- Turk F. A., S. M. Turk. 1952. Studies on Acari - 7th series. 'Records and descriptions of mites new to the British fauna, together with short notes on the biology of soundry species'. - Ann. Mag. nat. Hist., 5: 475 - 506.
- Vandel A. 1964. Biospéléologie, la biologie des animaux cavernicoles. - Gauthier-Villars Editeur, Paris, 619 pp.
- Vitzthum H. 1925. Die unterirdische Acarofauna. – Jenaische Zeitschrift für Naturwissenschaft, 62, Neue Folge 55 B.: 125 – 186.
- Wankel H. 1861. Beiträge zur oesterreichische Grottenfauna. - Sber. Akad. Wiss. Wien, 43: 251-266.
- Weis-Fogh T. 1948. Ecological investigations on mites and collemboles in the soil. – Natura Jutlandica, 1: 135 – 270.
- Willmann C. 1932. Acari aus südostalpinen Höhlen. – Mitteilungen über Höhlen und Karstforschung, 4: 158 – 161.
- Willmann C. 1934. Acari aus den südostalpinen Höhlen II. - Mitt. Höhl.-u. Karstforsch., 6: 45 - 53.
- Willmann C. 1935. Exploration biologique des Cavernes de la Belgique et du Limbourg hollandais. XXV. Contr.: Acari. - Bull. Mus. r. Hist. nat. Belg., 11: 1 -41.
- Willmann C 1936a. Die Gattung *Rhagidia* (Rhagidiidae, Acari). - Zool. Anz., 116: 289-303.
- Willmann C. 1936b. Neue Acari aus schlesischen Wiesenboden. - Zool. Anz., 113: 273 -290.
- Willmann C. 1951a. Die hochalpine Milbenfauna der mittlern Hohen Tauern ins besondere des Grossglockner-Gebietes (Acari). – Bonn. Zool. Beitr., 2(1-2): 141 – 176.
- Willmann C. 1951b. Untersuchungen über die terrestrische Milbenfauna im pannonischen Klimagebiet Österreichs. – Sitzungsber. der Österr. Akademie der Wissenschaften, Mathem. – naturwiss. Kl., Abt. I, 160 Bd.: 91 - 176.
- Willmann C. 1952. Die Milbenfauna der Nordseeinsel Wangerooge. - Veröff. Inst. Meeresforsch. Bremerh., 1: 139-186.
- Willmann C. 1953a. Tarsale Sinnesorgane bei der Gattung *Rhagidia* und anderen prostigmatishen Milben. - Zool. Anz., 150: 215-223.

- Willmann C. 1953b. Neue Milben aus den östlichen Alpen. – Sitz.ber. Österr. Akad. d. Wiss., math.-nat. Kl., **162**: 449 – 519.
- Willmann C. 1954. Mährische Acari hauptsächlich aus dem Gebiete des mährischen Karstes. – Čsl. Parasit., **1**: 213-272.
- Willmann C. 1955. Milben aus dem südwestlichen Sachsen – Abhandlungen und Berichte aus dem Staatlichen Museum für Tierkunde in Dresden. **22**: 207 – 225.
- Wolf B. 1934 -1938. Animalium cavernarum catalogus. 3 vols. W. Junk, Gravenhage.
- Womersley H., R. W. Strandtmann. 1963. On some free-living prostigmatic mites of Antarctica. – Pacif. Insects, **5**: 451-472.
- Yazanpanah Sh., Sh. Kazemi, M. Zacharda. 2014. A review of Iranian Rhagidiidae (Acari: Prostigmata) and new reports of one genus and three subgenera from Iran. – Iranian Journal of Plant Protection Science (Iranian Journal of Agricultural Sciences), fall 2013-winter 2014, **44**(2): 203 – 210.
- Zacharda M. 1978. Terrestrial Prostigmatic Mites from the Amateurs' Cave, the Moravian kars [sic], Czechoslovakia. – Věstník Českoslov. Spol. Zoologické, **42**(3): 215 – 240.
- Zacharda M. 1979a. The evaluation of the morphological characters in Rhagidiidae. – In: J.G.Rodriguez (Ed.) Recent Advances in Acarology, Vol. II: 509 – 514.
- Zacharda M. 1979b. The ecology of Rhagidiidae. – Recent Advances in Acarology, **1**: 537 – 542.
- Zacharda M. 1980. Soil mites of the family Rhagidiidae (Actinedida: Eupodoidea). Morphology, systematics, ecology. – Acta Univ. Carol. Biol., **1978**(5 – 6): 489 – 785.
- Zacharda M. 1982. The cavernicolous fauna of Hawaiian lava tubes. 13. A new subgenus and two new species of Rhagidiidae (Acari: Eupodoidea). – Pacific Insects, **24**: 275 – 280.
- Zacharda M. 1983a. The Rhagidiidae (Acarina: Prostigmata) from the Central Caucasus, Siberia, and some other parts of the USSR. – Věstník Českoslov. Spol. Zool., **47**: 304 – 319.
- Zacharda M. 1983b. New Rhagidiidae (Acarina: Prostigmata) from Oregon. – Can. J. Zool., **61**: 993 – 1001.
- Zacharda M. 1984. Further remarks on the synonymy of the Rhagidiidae (Acarina: Prostigmata). – J. of Natural History, **18**: 869 – 872.
- Zacharda M. 1985. New Rhagidiidae (Acarina: Prostigmata) from caves of the U.S.A. – Věstník Českoslov. Spol. Zool., **49**: 67 – 80.
- Zacharda M. 1986. New taxa of Rhagidiidae from North America. Part I. – Can. J. Zool., **64**: 2531 – 2542.
- Zacharda M. 1987. New taxa of Rhagidiidae (Acari: Prostigmata) from Pyrenean caves. – Can. J. Zool., **65**: 2051 – 2056.
- Zacharda M. 1988. *Foveacheles (Spelaeocheles) troglodyta* sp.n., subgen. n. (Acari: Prostigmata: Rhagidiidae) from Stratenská Cave, the Western Carpathians, Slovakia. – Věstník Českoslov. Spol. Zool., **52**: 75 – 78.
- Zacharda M. 1993. Glacial relict Rhagidiidae (Acari: Prostigmata) from superficial underground enclosures in the Krkonoše Mountains, Czechoslovakia. – J. Nat. Hist., **27**: 47 – 61.
- Zacharda M. 1994a. *Foveacheles unguiculata* n.sp., a New Rhagidiid Mite from the Central Alps (Tyrol, Austria)(Acari: Prostigmata: Rhagidiidae).– Ber. Nat. - med. Verein Innsbruck, **81**: 85 – 91.

- Zacharda M. 1994b. A new troglobitic Rhagidiid Mite, *Traegardhia vicenzaensis* n.sp. from Northern Italy (Acari: Prostigmata). – Ber. Nat.-med. Verein Innsbruck, **81**: 93 – 98.
- Zacharda M. 1994c. New taxa of Rhagidiidae (Acari Prostigmata) from tropical rain forest in Nam Cat Tien National Park, South Vietnam. – Tropical Zoology, **7**: 35 – 56.
- Zacharda M. 1995a. New taxa of Rhagidiidae from North America. Part II. The genera *Kouchibouguacia* Zacharda and *Shibaia* Zacharda. – Can. J. Zool., **73**: 589 – 599.
- Zacharda M. 1995b. New taxa of Rhagidiidae (Acari: Prostigmata) from North America. Part 3A. Genus *Rhagidia* Thorell: the *gigas* species-group – Canadian Journal of Zoology, **73**: 1247-1258.
- Zacharda M. 1995c. New taxa of Rhagidiidae (Acari: Prostigmata) from North America. Part IIIB. Genus *Rhagidia* Thorell: the *quadrisolenidiata* species-group – Canadian Journal of Zoology, **73**: 1259-1267.
- Zacharda M. 1996. New taxa of Rhagidiidae (Acari: Prostigmata) from North America. Part 4. Genus *Foveacheles* Zacharda, with a key to world species. – Canadian Journal of Zoology, **74**: 343-356.
- Zacharda M. 1997. New taxa of Rhagidiidae (Acari: Prostigmata) from North America. Part 5. Genus *Robustoches* Zacharda, with a key to world species of the genus. – Journal of Natural History, **31**: 1075 -1103.
- Zacharda M. 2000a. A new species of the genus *Evadorhagidia* (Acari: Prostigmata: Rhagidiidae) from talus ecosystems, with a key to the world species of the genus. – Acarologia (Paris), **40**: 373-383.
- Zacharda M. 2000b. New species of the rhagidiid genus *Foveacheles* (Acari: Prostigmata: Eupodoidea) with a lyrifissure-like structure on the chelicerae. – Journal of Natural History, **34**: 247-265.
- Zacharda M. 2000c. New species of the genus *Troglocheles* (Acari: Prostigmata: Rhagidiidae) from Oetztal Alps, Tyrol, with a key to adult species of the genus. – Journal of Natural History, **34**: 463-478.
- Zacharda M. 2000d. New and little-known species of Rhagidiidae from talus ecosystems, in the Czech Republic and Austria. – Journal of Zoology, **251**: 105 - 118.
- Zacharda M. 2010. A review of the genus *Traegardhia* (Acari, Prostigmata, Rhagidiidae) with descriptions of new species and a key to species – Zootaxa, **2474**: 1-64.
- Zacharda M., G. Graftiti, E. Piva. 2011. New taxa of *Rhagidia* and *Foveacheles* (Acari: Prostigmata: Rhagidiidae) from Italian and French caves, with keys to adults of subgenera *Deharvengiella* and *Mediostella*. – Journal of Natural History, **45**: 667-683.
- Zacharda M., M. Daniel. 1987. The first record of the family Rhagidiidae (Acari: Prostigmata) from the Himalayan Region. – Věstník Českoslov. Spol. Zool., **51**: 58 – 59.
- Zacharda M., W.R. Elliot. 1981a. Holarctic cave mites of the family Rhagidiidae (Actinedida: Eupodoidea). – Proc. 8th Intern. Congress on Speleology, Bowling Green, KY, p. 604 – 607.
- Zacharda M., W.R. Elliot. 1983. New species of the family Rhagidiidae (Acarina: Actinedida: Eupodoidea) from California caves. – Acta Univ. Carol. - Biologica, 1981: 463 – 475.

- Zacharda, M., W.R. Elliott. 1986. *Robustocheles infernalis* sp. n. (Acarina: Actinedida: Rhagidiidae) from Cueva del Diablo, Veracruz, Mexico. - *Acta Universitatis Carolinae Biologica*, 1981: 477- 481.
- Zacharda M., D. Fong, H. Horton, I. Hobbs, E. Piva, E. Slay, J. Taylor. 2010. A review of the genus *Traegardhia* (Acari, Prostigmata, Rhagidiidae) with descriptions of new species and a key to species. - *Zootaxa*, **2474**: 1–64.
- Zacharda M., M. Gude, S. Krause, Ch. Hauck, R. Molenda, V. Ružička, 2005. The relict Mite *Rhagidia gelida* (Acari: Rhagidiidae) as a Biological Cryoindicator of Periglacial Microclimate in European Highland Scree. – *Arctic, Antarctic, and Alpine Research*, **37**(3): 402 – 408.
- Zacharda M., M. Isaia, E. Piva. 2011. New troglobitic species of the genus *Troglocheles* (Acari: Prostigmata: Rhagidiidae) from caves in northern Italy and Austria, with a key to adult species of the genus. - *Journal of Natural History*, **45**(11-12): 641-666.
- Zacharda M., T.Kučera. 2006. Diversity of Predatory Rhagidiid Mites (Acari: Rhagidiidae) Inhabiting Montane Stony Debris in the Ötztal Alps, North Tyrol, Austria. – *Arctic, Antarctic and Alpine Research*, **38**(2): 292 – 300.
- Zacharda M., T. Kučera. 2010. The Rhagidiidae (Acari: Prostigmata) in NW Lapland: Could their assemblages be climate warming monitors related to environmental and habitat patterns? - *Pedobiologia*, **54**(1): 1-8.
- Zacharda M., C.W. Pugsley. 1988. *Robustocheles occulta* sp.n., a new troglobitic mite (Acari: Prostigmata: Rhagidiidae) from North American caves. – *Can. J. Zool.*, **66**: 646 – 650.
- Zacharda M., E. A. Ueckermann, E. Rostami, H. Abbasipour, M. Khanjani. 2012. A survey of Rhagidiidae (Acari: Prostigmata) in fruit orchards in Iran, with description of a new species of *Robustocheles*. - *International Journal of Acarology*, **38**: 30-34.

The Mite Family Eriorhynchidae Qin et Halliday

Eriorhynchidae Qin & Halliday, 1997: 152

Small family of five Australian species, described by Womersley (1941) and Qin & Halliday (1997) and recently detached from the Penthalodidae.

Catalogue of fam. Eriorhynchidae

Family **Eriorhynchidae** Qin et Halliday

Eriorhynchidae Qin & Halliday, 1997: 152

Type genus: *Eriorhynchus* Qin et Halliday, 1997

Genus **Eriorhynchus** Qin et Halliday

Eriorhynchus Qin & Halliday, 1997: 153

Type species: *Eriorhynchus womersleyi* Qin et Halliday, 1997

Eriorhynchus australicus (Womersley)

Penthalodes australicus Womersley, 1941: 294

Eriorhynchus australicus (Womersley): Qin & Halliday, 1997: 103

Type locality: Victoria, Acheron Way

Distribution: Australia (Victoria)

Eriorhynchus hades Qin et Halliday

Eriorhynchus hades Qin & Halliday, 1997: 156

Type locality: Victoria, Rokewood Cemetery

Distribution: Australia (Victoria)

Eriorhynchus ramosus Qin et Halliday

Eriorhynchus ramosus Qin & Halliday, 1997: 157

Type locality: Tasmania, Big Sassy Creek

Distribution: Australia (Tasmania)

Eriorhynchus walteri Qin et Halliday

Eriorhynchus walteri Qin & Halliday, 1997: 161

Type locality: Miala Nat. Park, Brisbane

Distribution: Australia (Queensland)

Eriorhynchus womersleyi Qin et Halliday

Eriorhynchus womersleyi Qin & Halliday, 1997: 161

Type locality: New South Wales, 34.6 km south of Bombala

Distribution: Australia (N.S.Wales)

Index of Eriorhynchidae

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

australicus, *Eriorhynchus* 123

australicus, *Penthalodes* 123

Eriorhynchidae 122

Eriorhynchus 123

hades, *Eriorhynchus* 123

ramosus, *Eriorhynchus* 123

walteri, *Eriorhynchus* 123

womersleyi, *Eriorhynchus* 123

Distribution of Eriorhynchidae

OCEANIA

Australia (continent) (Womersley, 1941; Qin Ting-Kui & Halliday, 1997) – *Eriorhynchus australicus*, *E. hades*, *E. waltheri*, *E. womersleyi*

Tasmania (Qin Ting-Kui & Halliday, 1997) – *Eriorhynchus ramosus*

Bibliography of Eriorhynchidae

Qin Ting-Kui, R.B. Halliday. 1997. Eriorhynchidae, a new family of Prostigmata (Acarina), with a cladistic analysis of eupodoid species of Australia and New Zealand. – Systematic Entomology, **22**(2): 151 – 171.

Womersley H. 1941. The red-legged earth-mite (Acarina, Penthaleidae) of Australia. – Transactions of the Royal Society of South Australia, **65**: 292 – 294.

The Mite Family Pentapalpidae Olivier et Theron

Pentapalpidae Olivier & Theron, 2000: 386

Small family of one known genus and species from South Africa.

Composition of fam. Pentapalpidae

Fam. **Pentapalpidae** Olivier et Theron, 2000 - 1 gen., 1 sp.

Pentapalpus Olivier et Theron, 2000 - 1 sp.

Catalogue of Pentapalpidae

Family **Pentapalpidae** Olivier et Theron

Pentapalpidae Olivier & Theron, 2000: 386

Type genus: *Pentapalpus* Olivier et Theron, 2000

Genus ***Pentapalpus*** Olivier et Theron

Pentapalpus Olivier & Theron, 2000: 386

Type species: *Pentapalpus unguempodius* Olivier et Theron, 2000

Pentapalpus unguempodius Olivier et Theron*Pentapalpus unguempodius* Olivier & Theron, 2000: 386

Type locality: Eastern Cape Province, soil, Summerstrand, Porth Elizabeth, 33.58S, 25.38E

Distribution: South Africa

Index of Pentapalpidae(Names in **bold** are accepted as valid)**Pentapalpidae** 124*Pentapalpus* 124*unguempodius*, ***Pentapalpus*** 125**Distribution of Pentapalpidae****AFRICA****South Africa** (Olivier & Theron, 2000) - *Pentapalpus unguempodius***Bibliography of Pentapalpidae**

Olivier P.A.S., P.D. Theron. 2000. Pentapalpidae, a new family of eupodoid mites (Prostigmata: Eupodoidea) from South Africa. – *Acarologia*, **40**(4), 1999: 385 – 392.

The Mite Family Penthhalodidae Thor

Penthhalodidae Sig Thor, 1933: 274

Small or medium-sized (330 – 1500 µm) strongly sclerotized mites living in soil or moss. Most (39) species are within the two “old” genera - *Penthhalodes* Murray, 1877 and *Stereotydeus* Berlese, 1901. Further contributions are due to Baker, Trägårdh, Khaustov, Mihelčič, Strandtmann, Goff, Qin, Thor, Jesionowska, Shiba, Womersley, Olivier, Trouesart, starting with Dugès (1834).

Composition of fam. PenthhalodidaeFamily **Penthhalodidae** Thor, 1933 - 5 gen., **44** sp.

Callipenthalodes Qin, 1998 – 1 sp.
Hawaieupodes Strandtmann et Goff, 1978 – 1 sp.
Penthalodes Murray, 1877 - 10 sp.
Protopenthalodes Jesionowska, 1989 – 2 sp.
Stereotydeus Berlese, 1901 - 30 sp.

Catalogue of Penthalodidae

Family **Penthalodidae** Sig Thor

Penthalodidae Sig Thor, 1933: 272

Type genus: *Megamerus* Dugès, 1834 (nec McLeay, 1827), renamed *Penthalodes* Murray, 1877

Genus ***Callipenthalodes*** Qin

Callipenthalodes Qin, 1998: 221

Type species: *Callipenthalodes pennyae* Qin, 1998

Callipenthalodes pennyae Qin

Callipenthalodes pennyae Qin, 1998: 224

Type locality: New Zealand

Distribution: New Zealand

Genus ***Hawaieupodes*** Strandtmann et Goff

Hawaieupodes Strandtmann & Goff, 1978: 133

Type species: *Hawaieupodes thermophilus* Strandtmann et Goff, 1978

Hawaieupodes thermophilus Strandtmann et Goff

Hawaieupodes thermophilus Strandtmann & Goff, 1978: 133; Jesionowska, 2010: 337

Type locality: Hawaii I., HVNP, Steaming Bluff Trail

Distribution: Hawaii

Genus ***Penthalodes*** Murray

Megamerus Dugès, 1834: 50 (nec McLeay, 1827)

Penthalodes Murray, 1877: 123

Type species: *Megamerus ovalis* Dugès, 1834

Penthalodes alaskaensis Jesionowska

Penthalodes alaskaensis Jesionowska, 2010: 31

Type locality: Alaska

Distribution: USA (Alaska)

Penthalodes boneti* BakerPenthalodes boneti* Baker, 1946: 424

Type locality: Desierto de los Leones, Vera Cruz

Distribution: Mexico

Penthalodes carinatus* ShibaPenthalodes carinatus* Shiba, 1978: 150

Type locality: Kuroki, Oozu, Ehime

Distribution: Japan

Penthalodes columbiae* (Berlese)Chromotydaeus columbiae* Berlese, 1921: 193*Penthalodes columbiae*: Thor & Willmann, 1941: 193; Strandtnann, 1979: 48

Type locality: "Columbia"

Distribution: North America

Penthalodes hawaiiensis* JesionowskaPenthalodes ovalis* sensu Strandtmann & Goff, 1978: 121*Penthalodes hawaiiensis* Jesionowska, 2010: 32

Type locality: Hawaii

Distribution: Hawaii

Penthalodes oregonensis* BakerPenthalodes oregonensis* Baker, 1946: 424

Type locality: Corvallis

Distribution: USA (Oregon)

Penthalodes ovalis* (Dugès)Megamerus ovalis* Dugès, 1834: 50; 1836: 518; Lucas, 1840: 472; 1850: 472*Trombidium ovale* Gervais, 1844: 170*Penthaleus ovatus*: C.L. Koch, fa. 18, t.14; Halbert, 1915: 111; Starkoff & Starkoff, 1950: 98*Penthalodes ovalis* (Dugès): Oudemans, 1905: 241; 1937: 861; Irk, 1939; Sellnick, 1940: 32; Thor & Willmann, 1941: 60; Willmann, 1951a: 147; 1951b: 142; 1954: 235; Macfadyen, 1954: 283; Bottazzi, 1950: 38; Haarløv, 1957: 30; Mihelčič, 1958a: 104; 1958b: 270; Strandtmann, 1971: 92; Strandtmann & Goff, 1978: 135; Schmölzer, 1962: 283; 1993: 59; Kaluz, 2000: 477*Chromotydaeus ovalis*: Berlese, 1903: 252*Chromotydaeus ovatus* (Koch): Sig Thor, 1912: 237; Halbert, 1920: 139*Penthaleus arcticus* Trägårdh, 1907: 18*Chromotydaeus arcticus* (Trägårdh): Summerhayes & Elton, 1928: 249

Type locality: Europe

Distribution: Alaska, Austria, Canada, Czech Rep., Denmark, Hawaii, Iceland, Ireland (*ovatus*), Italy, Slovakia, Spain, Svalbard, Turkey, Yan Mayen I.

Penthalodes ovasimilis Schweizer

Penthalodes ovasimilis Schweizer, 1951: 62

Type locality: Swiss Alps, many loc. at 2200 – 2850 m

Distribution: Switzerland

Penthalodes polonicus Jesionowska

Penthalodes polonicus Jesionowska, 2010: 32; Hajizadeh & Noei, 2012; Darbemamieh, Hajiqanbar & Khanjani, 2013: 455

Type locality: Zakopane, The Tatra Mountains Nat. Park (Poland)

Distribution: Iran, Poland

Penthalodes tristiculus (Koch et Berendt) - fossil

Penthaleus tristiculus Koch & Berendt, 1854: 108

Penthalodes tristiculus (Koch et Berendt): Dunlop et al., 2013

Type locality: amber

Distribution: amber

Penthalodes turneri Baker

Penthalodes turneri Baker, 1946: 425

Type locality: Stoddard County, Mo.

Distribution: USA (Missouri, South Carolina, Texas)

Genus ***Protopenthalodes*** Jesionowska

Protopenthalodes Jesionowska, 1989: 57

Type species: *Protopenthalodes* Jesionowska, 1989

Protopenthalodes coniunctus Jesionowska

Protopenthalodes coniunctus Jesionowska, 1989: 59

Type locality: Poland

Distribution: Poland

Protopenthalodes reticulatus Khaustov

Protopenthalodes reticulatus Khaustov, 2015: 139

Type locality: Yalta mountain – forest Nature Reserve

Distribution: Crimea

Genus ***Stereotydeus*** Berlese, in Berlese & Leonardi

Stereotydeus Berlese, in Berlese & Leonardi, 1901: 14

Type species: *Stereotydeus notophalloides* Leonardi, in Berlese & Leonardi 1901

Tectopenthalodes Trägårdh, 1907: 11 (syn. by Womersley, 1941)

Type species: *Penthaleus villosus* Trouessart, 1902

***Stereotydeus areolatus* Womersley**

Stereotydeus areolatus Womersley, 1935: 79; Thor & Willmann, 1941: 70; Strandtmann, 1979: 49; Qin, 1994: 1308; 1998: 299; Fredes, 2015: 33

Type locality: South Australia (Adelaide)

Distribution: Australia, Argentina

***Stereotydeus australicus* Thor**

Stereotydeus australicus Thor, 1934: 65; Thor & Willmann, 1941: 69; Strandtmann, 1979: 49; Qin, 1994: 1310; 1998: 299

Type locality: Western Australia, Crawley

Distribution: Australia

***Stereotydeus belli* (Trouessart)**

Penthaleus belli Trouessart, 1902: 225

Chromotydaeus belli: Thor & Willmann, 1941: 66

Stereotydeus belli (Trouessart): Womersley & Strandtmann, 1963: 458; Strandtmann, 1979: 49

Type locality: North Victoria Land

Distribution: Antarctica

***Stereotydeus brevipalpus* Qin**

Stereotydeus brevipalpus Qin, 1994: 1313; 1998: 299

Type locality: South Australia

Distribution: Australia

***Stereotydeus capensis* Womersley**

Stereotydeus capensis Womersley, 1935: 81

Type locality: Cape Province

Distribution: South Africa

***Stereotydeus delicatus* Strandtmann**

Stereotydeus delicatus Strandtmann, 1967: 63

Type locality: Balleny Is: Sabrina I.

Distribution: Antarctica

***Stereotydeus gamasoides* Leonardi**

Stereotydeus gamasoides Leonardi, 1901: 15

Type locality: Temuco

Distribution: Chile

Stereotydeus ineffabilis Brunetti et Siepel

Stereotydeus ineffabilis Brunetti & Siepel, 2021: 118

Type locality: Inexpressible Island

Distribution: Central Victoria Land, Continental Antarctica

Stereotydeus intermedius (Trouessart)

Penthalodes intermedius Trouessart, 1907: 35

Chromotydaeus intermedius (Trt.): Thor & Willmann, 1941: 66

Stereotydeus intermedius (Trouessart): Strandtmann, 1979: 50

Type locality: South Orkney Islands, Laurie Island

Distribution: Antarctica

Stereotydeus lattimorei Baker

Stereotydeus lattimorei Baker, 1946: 423

Type locality: Brownsville, Tx, from orchid roots from the Canal Zone

Distribution: Panama

Stereotydeus longipes Strandtmann

Stereotydeus longipes Strandtmann, 1970: 94

Type locality: South Georgia, Bird I., Wanderer Valley

Distribution: South Georgia (Subantarctic)

Stereotydeus mexicanus Baker

Stereotydeus mexicanus Baker, 1946: 422

Type locality: Patzcuaro, Michoacán, Mt. Popocatepetl (at 3000 m)

Distribution: Mexico

Stereotydeus meyeri Strandtmann

Stereotydeus meyeri Strandtmann, 1967: 63

Type locality: Enderby Land: Molodozhnaya

Distribution: Antarctica

Stereotydeus mollis Womersley et Strandtmann

Stereotydeus mollis Womersley & Strandtmann, 1963: 453; Wise, 1964: 522; Pittard, Rob-
ers & Strandtmann, 1971: 88

Type locality: Observation Hill, Ross I.

Distribution: Antarctica, southern Victoria Land from about 74° to 79° S lat., Balleny
Islands

***Stereotydeus notophalloides* Leonardi**

Stereotydeus notophalloides Leonardi, in Berlese & Leonardi, 1901: 15; Thor & Willmann, 1941: 69

Type locality: Temuco

Distribution: Chile

***Stereotydeus nudisetatus* Strandtmann**

Stereotydeus nudisetatus Strandtmann, 1964: 152; Qin, 1998: 299

Type locality: Campbell Island

Distribution: New Zealand (Campbell Island)

***Stereotydeus nunatakensis* Brunetti**

Stereotydeus nunatakensis Brunetti, 2021: 124

Type locality: Starr Nunatak

Distribution: South Victoria Land, Continental Antarctica

***Stereotydeus occidentalis* Womersley**

Stereotydeus occidentalis Womersley, 1935: 80; Strandtmann, 1964: 49; 1979: 49

Stereotydeus occidentalis Womersley: Thor & Willmann, 1941: 71; Qin, 1994: 1315; 1998: 299

Type locality: South Australia

Distribution: Australia

***Stereotydeus oregonensis* Baker**

Stereotydeus oregonensis Baker, 1946: 424

Type locality: Oregon, Corvallis

Distribution: USA

***Stereotydeus pallotus* Olivier**

Stereotydeus pallotus Olivier, 2006: 55

Type locality: Eastern Cape Province: soil, Hogsback near Alice

Distribution: South Africa

***Stereotydeus pseudopulcher* Qin**

Stereotydeus pseudopulcher Qin, 1994: 1318; 1998: 299

Type locality: Tasmania

Distribution: Australia (Tasmania)

Stereotydeus pulcher Strandtmann

Stereotydeus pulcher Strandtmann, 1964: 154; Qin, 1998: 299

Type locality: Campbell Island

Distribution: New Zealand (Campbell Island)

Stereotydeus punctatus Strandtmann

Stereotydeus punctatus Strandtmann, 1967: 62

Type locality: North Victoria Land: W side of Islands Point

Distribution: Antarctica

Stereotydeus reticulatus Strandtmann

Stereotydeus reticulatus Strandtmann, 1970: 90

Type locality: South Georgia, Bird I., Macaroni Coulm, 200-230 m

Distribution: South Georgia

Stereotydeus rupicolamartimus Shiba

Stereotydeus rupicolamartimus Shiba, 1976: 97

Type locality: Malaysia

Distribution: Malaysia

Stereotydeus shoupi Strandtmann

Stereotydeus shoupi Strandtmann, 1967: 60

Type locality: Queen Maud Mts: Shackleton Glacier area: E side of Massam Glacier

Distribution: Antarctica

Stereotydeus tasmanicus Qin

Stereotydeus tasmanicus Qin, 1994: 1320; 1998: 299

Type locality: Tasmania

Distribution: Australia (Tasmania)

Stereotydeus undulatus Strandtmann

Stereotydeus undulatus Strandtmann, 1964: 150; Qin, 1998: 299

Type locality: Campbell Island

Distribution: New Zealand (Campbell Island)

Stereotydeus vaginatus Olivier

Stereotydeus vaginatus Olivier, 2006: 55

Type locality: KwaZulu-Natal: soil, mouth of Tugela River

Distribution: South Africa

Stereotydeus villosus (Trouessart)*Penthaleus villosus* Trouessart, 1902: 227*Penthalodes villosus*, Trouessart, 1912: 86*Tectopenthalodes villosus* (Trouessart): Trägårdh, 1907: 18; Thor & Willmann, 1941: 71*Stereotydeus* (*Tectopenthalodes*) *villosus*: Berlese, 1917: 8*Stereotydeus villosus*: Womersley & Strandtmann, 1963: 457; Strandtmann, 1979: 50

Type locality: South Shetland Islands, South Orkney Islands, Antarctic Peninsula

Distribution: Antarctica

Index of Penthalodidae(Names in **bold** are accepted as valid)*alaskaensis*, ***Penthalodes*** 126*arcticus*, *Chromotydaeus* 127*arcticus*, *Penthaleus* 128***areolatus***, ***Stereotydeus*** 129***australicus***, ***Stereotydeus*** 129*belli*, *Chromotydaeus* 129*belli*, *Penthaleus* 129***belli***, ***Stereotydeus*** 129***boneti***, ***Penthalodes*** 127***brevipalpus***, ***Stereotydeus*** 129***Callipenthalodes*** 126***capensis***, ***Stereotydeus*** 129***carinatus***, ***Penthalodes*** 127*columbiae*, *Chromotydaeus* 127***columbiae***, ***Penthalodes*** 127***coniunctus***, ***Protopenthalodes*** 128***delicatus***, ***Stereotydeus*** 129***gamasoides***, ***Stereotydeus*** 129***hawaiiensis***, ***Penthalodes*** 127***Hawaii eupodes*** 126***ineffabilis***, ***Stereotydeus*** 130*intermedius*, *Chromotydaeus* 130*intermedius*, *Penthalodes* 130***intermedius***, ***Stereotydeus*** 130***lattimorei***, ***Stereotydeus*** 130***longipes***, ***Stereotydeus*** 130*Megamerus* 126***mexicanus***, ***Stereotydeus*** 130***meyeri***, ***Stereotydeus*** 130***mollis***, ***Stereotydeus*** 130***notophalloides***, ***Stereotydeus*** 131***nudisetatus***, ***Stereotydeus*** 131***nunatakensis***, ***Stereotydeus*** 131*occidentale*, *Stereotydeus* 131***occidentalis***, ***Stereotydeus*** 131***oregonensis***, ***Penthalodes*** 127*ovale*, *Trombidium* 127*ovalis*, *Chromotydaeus* 127*ovalis*, *Megamerus* 127***ovalis***, ***Penthalodes*** 127*ovasimilis*, *Penthalodes* 128*ovatus*, *Chromotydeus* 128*ovatus*, *Penthaleus* 128*pallotus*, *Stereotydeus* 131***pennya***, ***Callipenthalodes*** 126***Penthalodes*** 126***Penthalodidae*** 126***polonicus***, ***Penthalodes*** 128***Protopenthalodes*** 128***pseudopulcher***, ***Stereotydeus*** 131***pulcher***, ***Stereotydeus*** 132***punctatus***, ***Stereotydeus*** 132***reticulatus***, ***Protopenthalodes*** 128***reticulatus***, ***Stereotydeus*** 132

rupicolamartimus, *Stereotydeus* 132

shoupi, *Stereotydeus* 132

Stereotydeus 128

tasmanicus, *Stereotydeus* 132

Tectopenthalodes 129

thermophiles, *Hawaii eupodes* 126

tristiculus, *Penthaleus* 128

tristiculus, *Penthalodes* 128

turneri, *Penthalodes* 128

undulatus, *Stereotydeus* 132

vaginatus, *Stereotydeus* 132

villosus, *Penthaleus* 132

villosus, *Penthalodes* 133

villosus, *Stereotydeus* 132

villosus, *Stereotydeus* (*Tectopenthalodes*) 133

villosus, *Tectopenthalodes* 133

Distribution of Penthalodidae

EUROPE

Austria (Irk, 1939; Franz Beier, 1948; Franz, 1954; Willmann, 1951a; Mihelčić, 1958; Schmölzer, 1962, 1993) – *Penthalodes ovalis*

Bulgaria (Beron, 2011) – *Penthalodes ovalis*

Czech Rep. (Willmann, 1954) – *Penthalodes ovalis*

Denmark (Haarløv, 1957) – *Penthalodes ovalis*

Yan Mayen I. (Macfadyen, 1954) – *Penthalodes ovalis*

France (contin.) (Dugès, 1834; Kontschan et al., 2018) – *Penthalodes ovalis*, *Inc. sedis: Penthaleus inflatus*

Great Britain (Hull, 1918) – *Penthalodes ovalis*

Iceland (Sellnick, 1940) – *Penthalodes ovalis*

Ireland (Halbert, 1915) – *Penthalodes ovalis*

Italy (contin.) (Thor & Willmann, 1941; Bottazzi, 1950) – *Penthalodes ovalis*

Norway (Mehl, 1979) – *Penthalodes ovalis*

Svalbard (Spitzbergen) (Thor & Willmann, 1941) – *Penthalodes ovalis*

Poland (Jesionowska, 1989, 2010) – *Penthalodes polonicus*, *Protopenthalodes coniunctus*

Russia (all, continent.)

Crimea (Khaustov, 1915) – *Protopenthalodes reticulatus*

Slovakia (Kalúz, 2000) – *Penthalodes ovalis*

Spain (cont.) (Mihelčić, 1958b) – *Penthalodes ovalis*

Sweden (Strandtnann, 1979) – *Penthalodes ovalis*

Switzerland (Schweizer, 1951; Schweizer & Bader, 1963) – *Penthalodes ovalis*

Turkey (all) (Kalúz, 2000) – *Penthalodes ovalis*, *P. ovasimilis*

AFRICA

South Africa (Womersley, 1935; Olivier, 2006) – *Stereotydeus pallotus*, *S. vaginatus*

ASIA

Iran (Hajizadeh & Noei, 2012; Hajizadeh & Noei, 2012; Darbemamieh, Hajiqanbar & Khanjani, 2013) – *Penthalodes polonicus*

Japan (Shiba, 1978) – *Penthalodes carinatus*

Malaysia (Shiba, 1976) - *Stereotydeus rupicolamartimus*

NORTH AMERICA

Canada (Strandtmann, 1979; Behan, 1978; Beaulieu et al., 2019) – *Penthalodes ovalis*

Mexico (Baker, 1946) - *Penthalodes boneti*

USA (Baker, 1946) – *Penthalodes oregonensis*, *P. turneri*

Alaska (Strandtmann, 1971; Jesionowska, 2010) – *Penthalodes alascaensis*, *P. ovalis*

Hawaii (Strandtmann & Goff, 1978; Goff, 1983, 1987; Jesionowska, 2008, 2010) – *Hawai-ieupodes termophilus*, *Penthalodes hawaiiensis*, *P. ovalis*

SOUTH and CENTRAL AMERICA

Argentina (Fredes, 2015) – *Stereotydeus areolatus*

Chile (contin.) (Leonardi, 1901, 1903) – *Stereotydeus notophalloides*, *S. gamasoides*

Panama (Baker, 1946) - *Stereotydeus lattimorei*

OCEANIA

Australia (continent)(Womersley, 1935; Qin, 1994) – *Stereotydeus areolatus*, *S. australicus*, *S. brevipalpus*, *S. occidentalis*

Tasmania (Qin, 1994) – *Stereotydeus pseudopulcher*, *S. tasmanicus*

New Zealand (Qin, 1998) - *Callipenthalodes pennyae*

Campbell Island (Strandtmann, 1964) – *Stereotydeus nudisetatus*, *S. pulcher*, *S. undulatus*

ANTARCTICA

Antarctida (Trouessart, 1902; Womersley & Strandtmann, 1963; Strandtmann, 1967; Wise, 1964; Pittard, 1971; Pittard, Roberts & Strandtmann, 1971; Brunetti et al., 2021a, b) – *Stereotydeus belli*, *S. delicatus*, *S. meyeri*, *S. mollis*, *S. nunatakensis*, *S. punctatus*, *S. shoupi*, *S. villosus*

South Georgia (Strandtmann, 1970) – *Stereotydeus longipes*, *S. reticulatus*

South Shetland Islands – *Stereotydeus villosus*

South Orkney Islands (Trouessart, 1912) - *Stereotydeus villosus*

Inexpressible Island (Brunetti et al., 2021a) – *Stereotydeus ineffabilis*

Bibliography of Penthalodidae

- Baker E.W. 1946. New species of North and Central American mites of the family Penthalodidae (Acarina). – J. of the Washington Academy of Sciences, **36**(12): 421 – 425.
- Beaulieu et al. 2019. Acari of Canada. – ZooKeys, **819**: 77 – 168.
- Behan V.M. 1978. Diversity, distribution and feeding habits of North American arctic soil Acari. PhD thesis, McGill University, Montreal.
- Berlese A., G. Leonardi. 1901. Acari Sud Americani. – Zoologischer Anzeiger, **25**: 12 – 18.
- Bottazzi E. 1950. Primo contributo alla fauna de Trombidiformes (Acari) de Parmense. – Monit. Zool. Ital., **58**: 28 - 44.
- Brunetti C., H. Siepel, P. P.Fanciulli, F. Nardi, P. Convey, A. Carapelli. 2021. Two New Species of the Mite Genus *Stereotydeus* Berlese, 1901 (Prostigmata: Penthalodidae) from Victoria Land, and a Key for Identification of Antarctic and Sub-Antarctic Species. – Taxonomy, **1**(2): 116 – 141.
- Brunetti C., H. Siepel, P. P.Fanciulli, F. Nardi, A. Carapelli. 2021. Investigating the diversity of the terrestrial invertebrate fauna of Antarctica: a closer look at the *Stereotydeus* (Acari: Prostigmata) genus. In: The 1st International Electronic Conference on Biological Diversity, Ecology and Evolution, 15-31 March 2021, online.
- Darbemamieh M., H. Hajiqanbar, M. Khanjani. 2013. A checklist of Iranian Eupodoidea (Acari: Prostigmata). – Journal of Crop Protection, **2**(4): 453-460.
- Demetras N.G., I.D. Hogg, J.C. Banks, B.J. Adams. 2010. Latitudinal distribution and mitochondrial DNA (COI) variability of *Stereotydeus* spp. (Acari: Prostigmata) in Victoria Land and the central Transantarctic Mountains. – Antarctic Science, **22**(6): 749 – 756.
- Dugès A. 1834. Recherches sur l'ordre des Acariens. – Ann. Sci. Nat., Zoologie. Ser.2, **2**: 18 – 63.
- Dugès A. 1836. In: Cuvier, Regne animale, Ed.3, v.2: 306.
- Franz H. 1954. Die Nordostalpen im Spiegel ihrer Landtierwelt, eine Gebietsmonographie.- Innsbruck, Bd. I, 664 p.
- Franz H., M. Beier. 1948. Zur Kenntnis der Bodenfauna im pannonischen Klimagebiet Österreichs. II. Die Arthropoden. – Ann. Nat.-hist. Mus. Wien, **56**: 440 – 549.
- Fredes N.A. 2015. First Record of *Stereotydeus areolatus* Womersley 1935 (Trombidiformes: Penthalodidae) from Soils in Argentina, with Comments of *Stereotydeus* Species. – Acta Arachnol., **64**: 33–37.
- Goff M. L. 1987. A Catalog of Acari of the Hawaiian Islands. – Research Extension Series 075: 75 pp.
- Gressitt J.L., J. Shoup. 1967. Ecological Notes on Free-Living Mites in North Victoria Land. In: Antarctic Research Series; Gressitt J.L., Ed.; American Geophysical Union, Washington DC, USA: 307 – 320.
- Hajizadeh J., J. Noei. 2012. Report of a new family for the mite fauna of Iran: Penthalodidae (Acari, Prostigmata). 20th Iranian Plant Protection Congress, p. 486.
- Halbert J.N. 1915. Clare Island Survey. Part 39 Acarinida. Section II. Terrestrial and marine Acarina. – Proc. R. Irish Acad., **39**(2): 45 – 136.

- Halliday B. 1998. Mites of Australia. A Checklist and Bibliography. Series Monographs on invertebrate taxonomy, vol.5: 317 pp.
- Haupt J., Y. Coineau. 2002. Morphologie comparée du naso des Penthaleodidae (Acari, Actiniedida, Penthaleodidae). – *Acarologia*, **42**(3): 247 – 256.
- Hull J.E. 1918. Terrestrial Acari of Tyne Province. – *Trans. Nat. Hist. Soc. Northumb. (N.S.)*: **5**(1): 13 – 88.
- Irk V. 1939. Die terricolen Acari der Ötztaler und Stubai-er Hochalpen. – *Ver. Mus. Ferdinandeum in Innsbruck*, **19**: 145 - 190.
- Jeppson L.R., H. H. Keifer, E. W. Baker. 1975. Mites Injurious to Economic Plants, The Penthaleidae Oudemans, University of California Press.
- Jesionowska K. 1989. New genus and species of mite of the family Penthaleodidae (Acari, Actiniedida, Eupodoidea) from Poland. – *Acta zoologica cracoviensia*, **32**(3): 57 – 67.
- Jesionowska K. 2008. Redescription of *Hawaii-eupodes termophilus* Strandtmann et Goff, 1978 (Acari: Prostigmata: Eupodoidea: Penthaleodidae) from Hawaii, with a discussion of the systematic status of the taxon. – *Annales zoologici*, **58**(2): 337-346.
- Jesionowska K. 2010. A morphological study of the genus *Penthaleodes* (Acari, Prostigmata, Eupodoidea, Penthaleodidae) with description of a new species. – *Zootaxa*, **2672**: 29 – 49.
- Kaluz S. 2000. Redescription of *Penthaleodes ovalis* (Acarina, Prostigmata, Penthaleodidae) based on mites from Central Europe and Turkey. – *Biologia* **55**(5): 477-482.
- Khaustov A.A. 2014. A new genus and species in the mite family Eupodidae (Acari, Eupodoidea) from Crimea. – *Zookeys*, **422**: 11 – 22.
- Khaustov A.A. 2015. A new species of the genus *Protopenthaleodes* (Acari: Penthaleodidae) from Crimea. – *Acarina*, **23**: 139–151.
- Koch C.L. 1838. Deutschlands Crustaceen, Myriapoden und Arachniden.- Regensburg. Heft 20: 1-24, 24 pis.
- Lucas H. 1840. Histoire naturelle des Crustacés, des Arachnides et des Myriapodes. Paris, 600 pp., P.Dumeril Ed.
- Lucas H. 1850. Histoire naturelle des Crustacés, des Arachnides et des Myriapodes. Ed.2.
- Lindroth C.H., H. Andersson, H. Böldvarsson, S.H. Richter. 1973. Surtsey, Iceland. The Development of a New Fauna, 1963-1970 Terrestrial Invertebrates. – *Entomologica Scandinavica*, Suppl. 5, Munksgaard, Copenhagen. Eupodoidea and Bdelloidea on p. 125 – 129.
- Macfadyen A. 1954. The invertebrate fauna of Jan Mayen Island (East Greenland). – *Journal of Animal Ecology*, **23**(2): 261 – 297.
- Mihelčič F. 1958a. Milben (Acarina) aus Tirol und Voralberg. – *Veröff. Mus. Ferdinandeum, Innsbruck*, **37**, 1957: 99 - 120.
- Mihelčič F. 1958b. Prostigmata Südeuropas (Spanien). – *Eos, Madrid*, **34**(3): 269 - 290.
- Olivier P.A.S. 2006. A first record of the family Penthaleodidae Thor, 1932 (Acari: Prostigmata) from South African soils, with descriptions of two new species in the genus *Stereotydeus* Berlese, 1901. – *African entomology*, **14**: 53-62.
- Oudemans A.C. 1937. Kritisch Historisch Overzicht der Acarologie. Derde Gedelte 1805 – 1850. Land C. Leiden, E.J. Brill.

- Pittard D. A. 1971. A Comparative Study of Life Stages of the Mite, *Stereotydeus mollis* W. and S. - Pacific Insects, Monograph 25: 1-14.
- Pittard D.A.; L.A. Roberts, R.W. Strandtmann. 1971. Morphological variation in three populations of the Antarctic mite, *Stereotydeus mollis* W. and S. (Arthropoda: Acarina). - *Acarologia*, **13**(1): 88-97.
- Pugh P.J.A. 1993. A Synonymic Catalogue of the Acari from Antarctica, the Sub-Antarctic Islands and Southern Ocean. - *J. Nat. Hist.*, **27**: 323 – 421.
- Qin T.K. 1994. Revision of the Australian Penthalodidae (Acarina). - *Invertebrate Taxonomy*, **8**: 1305 – 1323.
- Qin T.-K. 1997. A reconsideration of the taxonomic position of *Protopenthalodes* (Prostigmata: Eupodoidea). - *Systematic & Applied Acarology*, **2**: 253-255.
- Qin T.-K. 1998: *Callipenthalodes*, a new genus of Penthalodidae (Acariformes: Eupodoidea) from New Zealand. - *International Journal of Acarology*, **24**: 221-225.
- Robinson M.T., A.A. Hoffmann. 2000. Additional tests on the effects of pesticides on cryptic species of blue oat mite (*Penthaleus* spp.) and the redlegged earth mite (*Halotydeus destructor*). - *Aust. J. Exp. Agric.*, **40**(5): 671-678.
- Schmölzer K. 1962. Die Kleintierwelt der Nunatakter als Zeugen einer Eiszeitüberdauerung. - *Mitt. Zool. Mus. Berlin*, **38**(2): 171 – 400.
- Schmölzer K. 1993. Die hochalpinen Landmilben der östlichen Brennerberge (Acarina terrestria). - *Veröff. des Museum Ferdinandeum*, **73**: 47 – 67.
- Schweizer J. 1951. Die Landmilben des Schweizerischen Nationalparkes. 2. Teil: Trombidiformes Reuter 1909. - *Ergeb. Wiss. Unters. schweiz. Nat. Park*, **3**(23): 51 – 172.
- Sellnick M. 1940. Die Milbenfauna Islands. - Göteborgs Kungl. Vetenskaps- och Vitterhets-Samhälles Handlingar, ser. B, **6**(14): 129 pp.
- Shiba M. 1976. Taxonomic investigation on free-living Prostigmata from the Malay Peninsula. - *Nature and Life in Southeast Asia*, **7**: 83 – 229.
- Sjursen H.; B.J. Sinclair. 2002. On the Cold Hardiness of *Stereotydeus mollis* (Acari: Prostigmata) from Ross Island, Antarctica. - *Pedobiologia*, **46**: 188–195.
- Stevens M., I.D. Hogg. 2006. Contrasting levels of mitochondrial DNA variability between mites (Penthalodidae) and springtails (Hypogastruridae) from the Trans-Antarctic Mountains suggest long-term effects. - *Soil Biology and Biochemistry*, **38**(10): 3171-3180.
- Strandtmann R.W. 1964. Insects of Campbell Island. Prostigmata: Eupodidae, Penthalodidae, Rhagidiidae, Nanorchestidae, Tydeidae, Ereynetidae. - *Pacific Insects Monograph* **7**: 148 – 165.
- Strandtmann R.W. 1967. Terrestrial Prostigmata (Trombidiform mites). *Entomology of Antarctica*. - *Antarctic Research*, **10**: 51-80.
- Strandtmann R.W. 1970. Acarina: Eupodiform Prostigmata of South Georgia. In Gressitt J.L.: *Subantarctic entomology, particularly of south Georgia and Heard Island*. - *Pacific Insect Monogr.* **23**: 89 – 106.
- Strandtmann R.W. 1971. The eupodoid mites of Alaska (Acarina: Prostigmata). - *Pacif. Insects*, **13**(1): 75 – 118.

- Strandtmann R.W. 1979. Distribution of mites of the family Penthalodidae (Arthropoda: Acarina). – Proc. of the 4th Intern. Congress of Acarology, 1974: 47-50.
- Strandtmann R. W., M. L. Goff. 1978. The Eupodoidea of Hawaii (Acarina: Prostigmata). – Pacific Insects, **19**(3-4): 121 – 143.
- Thor S. 1933. Über die prostigmatische Familie: Eupodidae C.L. Koch 1842 und über die Teilung dieser Familie, mit Definitionen der neuen Familien. – Zool. Anz., **101**(9/10): 271 – 277.
- Thor S. 1934. Neue Beiträge zur Kenntnis der invertebraten Fauna von Svalbard. - Zool. Anz., **107**: 115–139.
- Thor S., C. Willmann. 1941. Acarina. Eupodidae, Penthalodidae, Penthaleidae, Rhagidiidae, Pachygnathidae, Cunaxidae. – Das Tierreich, **71a**, 186 pp.
- Trägårdh I. 1907. Acariens terrestres. Expédition antarctique française (1903 – 1895) commandée par Jean Charcot. Arthropodes. Pp.11 – 13.
- Trouessart E.L. 1902. Arachnida. In: Report on the collections of natural history made in the Antarctic regions during the voyage of the “Southern Cross”.
- Trouessart E.L. 1907. Acari of the Scotch Antarctic Expedition. Appendix in The Acari of the Swedish South Polar Expedition. In Wissenschaftliche Ergebnisse der Schwedischen Südpolar-Expedition 1901–1903; Lithographisches institut des Generalstabs: Stockholm, Sweden, Volume 5(11).
- Trouessart E.L. 1912. Acariens de l'Expédition Antarctique Nationale Ecosaise. Rep. Sci. Res. Scottish National Antarctic Exp. Edinburgh, **6**: 85 – 86.
- Willmann C. 1951a. Die hochalpine Milbenfauna der mittlern Hohen Tauern ins besondere des Grossglockner-Gebietes (Acari). – Bonn. Zool. Beitr., **2**(1-2): 141 – 176.
- Willmann C. 1951b. Untersuchungen über die terrestrische Milbenfauna im pannonischen Klimagebiet Österreichs. – Sitzungsber. der Österr. Akademie der Wissenschaften, Mathem. – naturwiss. Kl., Abt. I, **160** Bd.: 91 - 176.
- Willmann C. 1954. Mährische Acari hauptsächlich aus dem Gebiete des mährischen Karstes. - Čsl. Parasit., **1**: 213-272.
- Wise K.A.J. 1964. New records of Collembola and Acarina in Antarctica. – Pacific Insects, **6**(3): 522 - 523.
- Womersley H. 1935. On some Australian and South African species of Acarina of the genus *Stereotydeus* (Penthalodidae). - Proceedings of the Linnean Society of Newh Wales, **60**(1-2): 79 – 82.
- Womersley H., R.W. Strandtmann. 1963. On some free-living prostigmatic mites of Antarctica. - Pacific Insects, **5**(2): 451- 472.

The Mite Family Penthaleidae Oudemans

Penthaleidae Oudemans, 1931: 252; Sig Thor, 1933: 2

Middle sized (800 – 1000 µm) mites, black with red legs, living on plants and sometimes pests on some agricultural crops.

Composition of fam. Penthaleidae

Family **Penthaleidae** - 7 gen., 27 sp.

Chromotydaeus Berlese, 1903 - 3 sp.

Halotydeus Berlese, 1891 - 8 sp.

Linopenthaleus Willmann, 1951 - 1 sp.

Linopenthaloidea Strandtmann, 1981 - 1 sp.

Penthaleus C.L. Koch, 1836 - 12 sp.

Propenthalodes Jesionowska, 1989 - 1 sp.

Turanopenthalodes Barilo, 1988 - 1 sp.

Catalogue of fam. Penthaleidae

Family **Penthaleidae** Oudemans

Penthaleidae Oudemans, 1931: 252

Type genus: *Penthaleus* C.L. Koch, 1836

Genus ***Chromotydaeus*** Berlese

Chromotydaeus Berlese, 1903: 252

Type species: *Penthaleus ovalis* (Dugès, 1834)

Chromotydaeus anauniensis (R. Canestrini)

Penthaleus anauniensis R. Canestrini, 1886: 720

Chromotydaeus anauniensis (R. Canestrini): Thor & Willmann, 1941: 65

Type locality: Trient, Dosso di Tavon

Distribution: Italy

Chromotydaeus egregius (Berlese)

Penthaleus egregius Berlese, 1891(1888?): 3; Starkoff & Starkoff, 1950: 98

Chromotydaeus egregius (Berlese): Berlese, 1903: 252

Type locality: Italy

Distribution: Italy

Chromotydaeus illustris (Berlese)

Penthaleus illustris Berlese, 1916: 294; Bernini et al., 1994-96: 34

Chromotydaeus illustris (Berlese): Thor & Willmann, 1941: 67

Type locality: Garden “Boboli”, Florence

Distribution: Italy

Chromotydaeus quartus Qin et Halliday

Chromotydaeus quartus Qin & Halliday, 1996: 1834

Type locality: Western Australia

Distribution: Australia

Chromotydaeus similis Mihelčič

Chromotydaeus similis Mihelčič, 1958a: 39

Type locality: Sierra Nevada

Distribution: Spain

Genus ***Halotydeus*** Berlese

NB. *Linopodes globosus* Canestrini, 1884 was listed under *Chromotydeus* by Thor & Willmann, 1941: 65, but under line was noted that it could belong also to the [still undescribed] genus *Linopenthaleus*.

Halotydeus Berlese, 1891: 9

Type species: *Notophallus hydrodromus* Berlese et Trouessart, 1889

Halotydeus anthropus Qin et Halliday

Halotydeus anthropus Qin & Halliday, 1996: 442

Type locality: South Africa

Distribution: South Africa

Halotydeus bakerae Qin et Halliday

Halotydeus egregius (Berlese, 1891) [syn. Baker 1996:373]

Halotydeus bakerae Qin & Halliday, 1996: 445

Type locality: South Australia

Distribution: Australia (South Australia)

Halotydeus castellus Qin et Halliday

Halotydeus castellus Qin & Halliday, 1996: 445

Type locality: New-South-Wales

Distribution: Australia (New-South-Wales)

Halotydeus destructor (R.W. Jack)

Penthaleus destructor R.W. Jack, 1908; Tucker, 1925: 21

Halotydeus destructor (Tucker): Womersley, 1933: 108; Thor & Willmann, 1941: 91; Macfadyen, 1954: 283; Meyer & Ryke, 1960: 489. Redescription, Qin & Halliday 1996: 447; Robinson & Hoffmann, 2001: 699; Maino, Binns & Umina, 2018: 216

Type locality: South Africa

Distribution: Australia, South Africa, Yan Mayen I. (? introduced)

Halotydeus hydrodromus (Berlese et Trouessart)

Notophallus hydrodromus Berlese & Trouessart, 1889: 141

Halotydeus hydrodromus (Berlese & Trouessart): Berlese, 1891: Fasc. 60, No10; Halbert, 1915: 111 (var. *albolineatus*), 1920: 139; Hull, 1918: 33; Thor & Willmann, 1941: 90

Type locality: France

Distribution: England, France, Ireland, Italy

Halotydeus mollis Luxton

Halotydeus mollis Luxton, 1990: 668

Type locality: Hong Kong, marine

Distribution: China (Hong Kong)

Halotydeus signiensis Strandtmann et Tilbrook

Halotydeus signiensis Strandtmann & Tilbrook, 1968: 54

Type locality: Robin Peak, Signy Island

Distribution: South Orkney Islands (Signy I.)

Halotydeus spectatus Qin et Halliday

Halotydeus spectatus Qin & Halliday, 1996: 449

Type locality: New-South-Wales

Distribution: Australia (New-South-Wales)

Genus ***Linopenthaleus*** Willmann

Genus *Linopenthaleus* Willmann, 1951a: 159

Type species: *Linopenthaleus irki* Willmann, 1951

Linopenthaleus irki Willmann

Linopenthaleus irki Willmann, 1951a: 160; Schweizer & Bader, 1963: 220

Type locality: Grossglockner area (Austria)

Distribution: Austria, Switzerland

Genus ***Linopenthaloides*** Strandtmann*Linopenthaloides* Strandtmann, 1981: 392Type species: *Linopenthaloides novazealandicus* Strandtmann, 1981***Linopenthaloides novazealandicus*** Strandtmann*Linopenthaloides novazealandicus* Strandtmann, 1981: 392

Type locality: N.Z., South I.: W coast, Charleton, ex Metro Cave, Ananui catchement

Distribution: New Zealand

Genus ***Penthaleus*** C.L. Koch*Penthaleus* C.L. Koch, 1836: fa.1, t.12 and 13Type species: *Penthaleus haematopus* C.L. Koch, 1836 = *P. maior* (Dugès)*Notophallus* Canestrini, 1886: 697***Penthaleus arcticus*** Trägårdh*Penthaleus arcticus* Trägårdh, 1901: 19

Type locality: Bären Island

Distribution: Norway

Penthaleus bipustulatus (Hermann)*Trombidium bipustulatum* Hermann, 1804: 40*Penthaleus bipustulatus* (Hermann): C.L. Koch, 1838: fa.18, t.7; Macfadyen, 1954: 283*Penthaleus bipustulatum* (Hermann): Oudemans, 1937: 852

Type locality: France

Distribution: France, Germany, Yan Mayen I.

Penthaleus crinitus Narayan*Penthaleus crinitus* Narayan, 1957: 111

Type locality: Mexico

Distribution: Mexico

Penthaleus dorsalis (Banks)*Notophallus dorsalis* Banks, 1902: 172; Considered synonym of *Penthaleus major* by Baker (1946: 421).*Penthaleus dorsalis*: Bruce, 2021

Type locality: USA

Distribution: USA

Penthaleus erythrocephalus C.L. Koch*Penthaleus erythrocephalus* C.L. Koch, 1838: fa.18, t.8; Mihelčič, 1958a: 40; 1958b: 269

Type locality: Germany

Distribution: Germany, Spain

Penthaleus falcatus Qin et Halliday

Penthaleus falcatus Qin & Halliday, 1996: 1837; Halliday, 1998: 77; Robinson & Hoffmann, 2001: 699

Type locality: New South Wales

Distribution: Australia

Penthaleus fallax (Dugès)

Megamerus fallax Dugès, 1834: 50, 53

Penthaleus fallax (Dugès): Oudemans, 1937: 854

Type locality: France

Distribution: France

Penthaleus guttatus C.L. Koch

Penthaleus guttatus C.L. Koch: fasc. 18, nr. 13; Oudemans, 1937: 855; Thor & Willmann, 1941: 83

Type locality: Regensburg

Distribution: Germany

Penthaleus longipilis (Canestrini)

Notophallus longipilis Canestrini, 1886: 706

Penthaleus longipilis (Canestrini): Shiba, 1969: 71

Type locality: Italy

Distribution: England, Italy, Japan

Penthaleus major (Dugès)

Tétranyque majeur Dugès, 1834: 53 (nom. nud.)

Rhyncholophus major: Murray, 1877: 126

Penthaleus haematopus C.L. Koch, 1836: fasc. 1, nr.12; Marchal, 1908: 13; Thor, 1912: 237; Hull, 1918: 33

Penthaleus erythropus C.L. Koch, 1838: fasc. 18, nr.6

Penthaleus insulanus Thorell, 1872: 702

Tetranychus borealis L. Koch, 1879: 129

Notophallus insulanus: Trägårdh, 1900: 16

Notophallus haematopus: R. Canestrini, 1886: 704

Notophallus bicolor Froggatt, 1921: 33

Penthaleus bicolor Womersley, 1933: 110

Penthaleus major (Dugès): Meyer & Ryke, 1960: 491; Balevski & Kontev, 1969; Rekk, 1976: 49; Zhang & Hong, 2010: 6

Penthaleus maior (Dugès): Sellnick, 1940: 32; Thor & Willmann, 1941: 80; Schmölzer, 1993: 59; Halliday, 1998: 77; Darbemamieh, Hajiqanbar & Khanjani, 2013: 455

Type locality: Europe

Distribution: Argentina, Australia, Austria, Brazil, Bulgaria, Canada, China, France, Georgia, Germany, Great Britain, Greece, Holland, Hungary (cf. *P. major*), Iran, Iceland, Italy, Mexico, New Zealand, Norway, Poland, Portugal, Russia, Slovakia, Slovenia, South Africa, Spain, USA

Penthaleus minor (Canestrini)

Notophallus minor Canestrini, 1886: 705; Berlese, 1892: fasc. 61, No5

Penthaleus minor (Canestrini): Oudemans, 1905: 241; Thor & Willmann, 1941: 85; Qin & Halliday, 1996; Halliday, 1998: 77; Zhang & Hong, 2010: 6; Darbemamieh, Hajiqanbar & Khanjani, 2013: 455

Type locality: Padua (Italy)

Distribution: Australia, China, Great Britain, Germany, Iran, Italy, Switzerland

Penthaleus saxatilis C.L. Koch

Penthaleus saxatilis C.L. Koch, 1836: fa.1, t.13; Thor & Willmann, 1941: 81

Type locality: Regensburg

Distribution: Germany

Penthaleus tectus Halloway

Penthaleus tectus Halloway, 2005b: 144

Type locality: East Australia

Distribution: Australia

Genus ***Turanopenthalodes*** Barilo

Turanopenthalodes Barilo, 1988: 619

Type species: *Turanopenthalodes polytrichus* Barilo, 1988

Turanopenthalodes polytrichus Barilo

Turanopenthalodes polytrichus Barilo, 1988: 619; Khaustov, 2016: 674

Type locality: Samarkand, settl. Agalyk

Distribution: Uzbekistan

As species with uncertain affinity are listed by Thor & Willmann, 1941 or described before or after this monograph: *Penthaleus nemoralis* (Müller) (*Acarus n.*), *P. agilis* Berlese, 1905, *P. hermanni* Sig Thor, *Notophallus viridis* Banks, 1917 (synonymized with *Penthaleus major* by Baker (1946: 421), *Penthaleus guayavicola* (Stoll)(*Trombidium g.*), *P. trilineatus* (Stoll)(*Trombidium g.*), *P. albicollis* (Stoll)(*Trombidium a.*). Here could be added also some species, described by C.L. Koch (1838): *Penthaleus amictus*, *P. militaris*, *P. virellus*, *P. rhodomelas* and the described by Ludvig Koch from Novaja Zemlja *Penthaleus borealis*, *P. crassipes*.

Index of Penthaleidae

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

- agilis*, *Penthaleus* 145
albicollis, *Penthaleus* 145
albicollis, *Trombidium* 145
albolineatus, *Halotydeus hydrodromus* var. 142 (*albolineata* in Thor & Willmann, 1941: 90)
amictus, *Penthaleus* 145
anauniensis, ***Chromotydaeus*** 140
anauniensis, *Penthaleus* 140
anthropus, ***Halotydeus*** 141
arcticus, ***Penthaleus*** 143
bakerae, ***Halotydeus*** 141
bicolor, *Notophallus* 144
bicolor, *Penthaleus* 144
bipustulatum, *Penthaleus* 143
bipustulatum, *Trombidium* 143
bipustulatus, *Penthaleus* 143
borealis, *Tetranychus* 144
borealis, *Penthaleus* 145
castellus, *Halotydeus* 141
Chromotydaeus 140
crassipes, *Penthaleus* 145
crinitus, ***Penthaleus*** 143
destructor, ***Halotydeus*** 142
destructor, *Penthaleus* 142
dorsalis, *Notophallus* 143
dorsalis, ***Penthaleus*** 143
egregius, ***Chromotydaeus*** 140
egregius, *Penthaleus* 140
erythrocephalus, ***Penthaleus*** 143
erythropus, *Penthaleus* 144
falcatus, ***Penthaleus*** 144
fallax, *Megamerus* 144
fallax, ***Penthaleus*** 144
guayavicola, *Penthaleus* 145
guayavicola, *Trombidium* 145
guttatus, ***Penthaleus*** 144
haematopus, *Notophallus* 144
haematopus, *Penthaleus* 144
Halotydeus 141
hermanni, *Penthaleus* 145
hydrodromus, ***Halotydeus*** 142
hydrodromus, *Notophallus* 142
illustris, ***Chromotydaeus*** 141
illustris, *Penthaleus* 141
insulanus, *Notophallus* 144
insulanus, *Penthaleus* 144
irki, ***Linopenthaleus*** 142
Linopenthaleus 142
Linopenthaloidea 143
longipilis, *Notophallus* 144
longipilis, ***Penthaleus*** 144
major, ***Penthaleus*** 144
major, *Notophallus* 144
major, *Rhyncholophus* 144
major, *Tetranychus* 144
militaris, *Penthaleus* 145
minor, *Penthaleus* 145
minor, *Notophallus* 145
mollis, *Halotydeus* 142
nemoralis, *Penthaleus* 145
Notophallus 143
novazealandicus, ***Linopenthaloidea*** 143
Penthaleus 143
Penthaleidae 140
polytrichus, ***Turanopenthalodes*** 145
quartus, ***Chromotydaeus*** 141
rhodomelas, *Penthaleus* 145
saxatilis, ***Penthaleus*** 145
signiensis, ***Halotydeus*** 142
similis, ***Chromotydaeus*** 141
spectatus, ***Halotydeus*** 142

tectus, *Penthaleus* 145
trilineatus, *Penthaleus* 145
trilineatus, *Trombidium* 145

tristiculus, *Penthaleus* 145
Turanopenthalodes 145
virellus, *Penthaleus* 145

Distribution of Penthaleidae

EUROPA

- Austria** (Irk, 1942; Willmann, 1951a, 1951b; Mihelčič, 1958c; Schmölzer, 1993) – *Linopenthaleus irki*, *Penthaleus bipustulatus*, *P. major*
- Bulgaria** (Balevski & Kontev, 1969; Stoeva, 2006; Atanasov, Marinova & Atanasova, 2008; Maneva & Atanasova, 2016) – *Penthaleus major*
- Denmark** (Müller O.F. 1776) – ? *Penthaleus nemoralis*
- Yan Mayen I.** (Macfadyen, 1954) – *Penthaleus bipustulatus*
- France (contin.)** (Hermann, 1804; Dugès, 1834; Qin & Halliday, 1996) – *Penthaleus bipustulatus*, *P. fallax*, *P. major*
- Georgia** (Rekk, 1976) – *Penthaleus major*
- Germany** (C.L. Koch, 1835, 1836, 1838; Qin & Halliday, 1996) – *Penthaleus bipustulatus*, *P. erythrocephalus*, *P. major*, *P. saxatilis*
- Great Britain** (Hull, 1918; Wallace & Mahon, 1971) – *Halotydeus hydrodromus*, *Penthaleus longipilis*, *P. major*
- Greece** (Hadzinicolis, 1986) – *Penthaleus major*
- Holland** (Wallace & Mahon, 1971) – *Penthaleus major*
- Hungary** (Kontschán et al., 2018) – *Penthaleus cf. major*
- Iceland** (Sellnick, 1940; Gudleifsson et al., 2002; Hallas & Gudleifsson, 2005) – *Penthaleus major*
- Ireland** (Halbert, 1915, 1920) – *Halotydeus hydrodromus*, *Penthaleus major*
- Italy (contin.)** (Canestrini, 1886, Berlese, 1916; Bernini F., M. Castagnoli, R. Nannelli. 1994-1996. Checklist delle specie de la fauna italiana. Fascicolo 24 Arachnidi Acari. – Bologna, 132 pp. Wallace & Mahon, 1971) – *Chromotydaeus anauniensis*, *Ch. illustis*, *Penthaleus longipilis*, *P. major*, *P. minor*
- Norway** (Thor, 1912; Johansen & Haug, 2002) – *Penthaleus major* (= *haematopus*)
- Poland** (Kontschán et al., 2018) – *Penthaleus major*
- Portugal (cont.)** (Wallace & Mahon, 1971; Bernini et al., 1994–96) – *Penthaleus major*
- Russia (all, continent.)** (L. Koch, 1879; Stuxberg, 1886; Kornilov & Kositsyna, 1981) – [*Penthaleus borealis*, *P. crassipes*], *Penthaleus major*
- Slovenia** (Devetak et al., 2019) – *Penthaleus major*
- Spain (cont.)** (Mihelčič, 1958a, 1958b; Wallace & Mahon, 1971) – *Chromotydaeus similis*, *Penthaleus major*
- Switzerland** (Schweizer & Bader, 1963) – *Linopenthaleus irki*, *Penthaleus longipilis*, *P. major*, *P. minor*

AFRICA

South Africa (Jack, 1908; Tucker, 1925; Meyer & Ryke, 1960; Qin & Halliday, 1996; Halliday, 2005) – *Halotydeus anthropus*, *H. destructor*, *Penthaleus major*

ASIA

China (Narayan, 1962; Zhang & Hong, 2010: 6) – *Penthaleus major*, *P. minor*

Iran (Darbemamieh, Hajiqaanbar & Khanjani, 2013) – *Penthaleus major*, *P. minor*

Japan (Shiba, 1969; Kanda & Hirai, 1990) – *Penthaleus longipilis*, *P. major*

Uzbekistan (Barilo, 1988; Khaustov, 2016) – *Turanopenthalodes polytrichus*

NORTH AMERICA

Canada (Behan, 1978; Qin & Halliday, 1996; Beaulieu, 2019) – *Penthaleus major*,

Mexico (Baker, 1946; Narayan, 1957) – *Penthaleus major*, *Stereotydeus mexicanus*

USA (Banks, 1902; Ewing, 1910; Brust, 2018, 2021a, b) – *Penthaleus dorsalis*, *P. major*

SOUTH and CENTRAL AMERICA

Argentina (Qin & Halliday, 1996) – *Penthaleus major*

Brazil (Valle da Silva Pereira et al., 2017) – *Penthaleus major*

Guatemala (Stoll, 1886 - 1893) – ? *Penthaleus trilineatus*, ? *Penthaleus albicollis*

OCEANIA

Australia (continent) (Newman, 1923, 1924, 1925a, 1925b, 1936; Swan, 1934; Womersley, 1941; Wallace, 1970; Wallace & Mahon, 1971; Halliday, 1991, 1998, 2005b; Qin & Halliday, 1995, 1996a, 1996b; Weeks, Fripp & Hoffmann, 1995; Qin, 1998; Weeks & Hoffmann, 1999; James, 1987, 2000; Robinson & Hoffmann, 2001; Umina & Hoffmann, 2003, 2004; Umina, Hoffmann & Weeks, 2004) – *Chromotydaeus quartus*, *Halotydeus bakerae*, *H. castellus*, *H. destructor*, *H. spectatus*, *Penthaleus major*, *P. minor*, *P. tectus*

New Zealand (Strandtmann, 1981; Wallace & Mahon, 1971) – *Linopenthaloides novaezealandicus*, *Penthaleus major*

ANTARCTICA

South Orkney Islands (Strandtmann & Tilbrook, 1968) – *Halotydeus signiensis*

Bibliography of Penthaleidae

André M. 1932. Note sur un Acarien (*Penthaleus major* Dugès) nuisible aux plantes potagères.

– Bull. Mus. Nat. Hist. Nat., 2e s., 4(3): 284 – 291.

Atanasov N., M. Marinova, D. Atanasova. 2008. Mites in cereal crops. – Plant Science, 45: 7 – 10.

- André M. 1953. Nouvelles observations sur *Penthaleus major* (Dugès) (Acarina). - Bull. Mus. Nat. Hist. Nat., 2e s., **25**(3): 279 – 282.
- Baker A.S. 1990. A survey of external morphology of mites of the superfamily Eupodoidea Banks, 1894 (Acari: Acariformes). - J. Nat. Hist., **24**: 1227–1261.
- Baker A.S. 1995. A redescription of *Halotydeus destructor* (Tucker) (Prostigmata: Penthaleidae), with a survey of ontogenic setal development in the superfamily Eupodoidea. - Intern. J. Acarology, **21**: 261–282.
- Baker E. W. 1946. New species of north and central American mites of the family Penthaleidae (Acarina). - J. Washington Acad. Sci., **36**: 421 – 425.
- Banks N. 1902. New genera and species of acarians. - Can. Entomol., **34**: 172.
- Banks N. 1917. New mites, mostly economic (Arach. Acar.). - Entomol. News, **28**: 193–199.
- Barilo A.B. 1988. New genus of mites of the family Penthalodidae (Acariformes) from the Middle Asia. - Zool. Zhurnal, **67**: 617–619. [in Russian]
- Berlese A. 1888. Acarofauna Sicula Ie serie.
- Berlese A. 1905. Acari Nuovi. Manipulus IV. Acari di Giava. - Redia, **2**: 154 – 176.
- Berlese A. 1916. Centuria terza di Acari nuovi. - Redia, **12**: 289 – 338.
- Brust J. 2018. Strange mite pest found in high tunnel vegetables. - Produce Grower.
- Brust J. 2021a. Strange mite pest found in high tunnel vegetables. - Vegetable Growers News.
- Brust J. 2021b. Red-legged winter mites spread in high tunnel leafy greens. - Vegetable Growers News.
- Campbell R.E. 1941. Further notes on the blue oat or pea mite, *Penthaleus major* (Dugès) in California. - Bull. Dept. Agric. State California, **30**: 312 – 314.
- Canestrini R. 1886. Prospetto dell' Acarofauna Italiana. Famiglia degli Eupodini. - Atti del Reale Istituto Veneto di Scienze, Lettere ed Arti, (6)**4**: 693 – 734.
- Chada H. L. 1956. Biology of the winter grain mite and its control in small grains. - Journal of Economic Entomology, **49**: 515–520.
- Darbemamieh M., H. Hajiqanbar, M. Khanjani. 2013. A checklist of Iranian Eupodoidea (Acari: Prostigmata). - Journal of Crop Protection, **2**(4): 453–460.
- Devetak M., I. Žežlina, M. Rot, B. Carlevaris, J. Žežlina. 2019. Blue oat mite or winter grain mite (*Penthaleus major* Dugès, 1834) - Blue oat mite or winter grain mite (*Penthaleus major* Dugès, 1834) - first injuries on vegetables. Zbornik predavanj in referatov, 14. slovensko posvetovanje o varstvu rastlin z mednarodno udeležbo, 5.-6. marec 2019, Maribor, Slovenija 2019 181–185 ref.9.
- Dugès A. 1834. Recherches sur l'ordre des Acariens. - Ann. Sci. Nat., Zoologie. Ser.2, **2**: 18 – 63.
- Ewing H.E. 1910. A systematic and biological study of the Acarina of Illinois. - Univ. Studies Illinois, **3**(6): 120 pp.
- Froggatt W.W. 1921. Blue oat mite (*Notophallus bicolor* n. sp.). - Agri. Gazette New South Wales, **32**: 33–34
- Gaull K.R., T.J. Ridsdill-Smith. 1996. The foraging behaviour of redlegged earth mite, *Halotydeus destructor* (Acarina: Penthaleidae), in an annual subterranean clover pasture. - Bull. Entomol. Res., **86**: 247–252.

- Gaull K.R., T.J. Ridsdill-Smith. 1997. Host plant acceptance by redlegged earth mite, *Halotydeus destructor* (Tucker) (Acarina: Penthaleidae). - J. Ins. Behav., **10**: 859–869.
- Gillespie D.J. 1993. Redlegged earth mite (*Halotydeus destructor*) resistance in annual pasture legumes. In: E. Delfosse (Eds) Pests of Pastures: Weed Invertebrate and Disease Pests of Australian Sheep Pastures. CSIRO Australia Melbourne, 211–213.
- Gudleifsson B.E., T.E. Hallas S. Olafsson T. Sveinsson. 2002. Chemical control of *Penthaleus major* (Acari: Prostigmata) in hayfields in Iceland. - J. Econ. Entomol., **95**: 307–312
- Hadzinicolis E.N. 1982. New phytophagous mites found in Greece. - Agricultural Research, **6**: 67–76.
- Halbert J.N. 1915. Clare Island Survey. Part 39 Acarinida. Section II. Terrestrial and marine Acarina. - Proc. R. Irish Acad., **39**(2): 45 – 136.
- Halbert J.N. 1920. The Acarina of the seashore. - Proc. R. Irish Acad., **35B**(7): 106 – 152.
- Hallas T. E., B. E. Gudleifsson. 2005. Life cycles of *Penthaleus major* (Dugès) (Acari, Prostigmata) in hayfields in northern Iceland. - Icelandic Agricultural Sciences, **4**: 39–44.
- Halliday B. 1991. Taxonomic background of the redlegged earth mite *Halotydeus destructor* (Tucker)(Acarina: Penthaleidae). - Plant Protection Quarterly, **6**: 162 – 165.
- Halliday B. 1998. Mites of Australia. A Checklist and Bibliography. Series monographs on invertebrate taxonomy, vol. 5: 317 pp.
- Halliday B. 2005a. Predatory mites from crops and pastures in South Africa: potential natural enemies of redlegged earth mite *Halotydeus destructor* (Acari: Penthaleidae). - Zootaxa, **1079**: 11–64.
- Halliday B. 2005b. Systematics and biology of *Penthaleus tectus* sp. n. (Acari: Penthaleidae), a recently discovered pest of grain crops in eastern Australia. - Australian Journal of Entomology, **44**(2) 144–149.
- Hastings C. 1994. *Penthaleus major*. An occasional little-known pest. - Phytoma, **465**: 43–44.
- Hull J.E. 1918. Terrestrial Acari of Tyne Province. - Trans. Nat. Hist. Soc. Northumb. (N.S.): **5**(1): 13 – 88.
- Irk V. 1939. Die terricolen Acari der Ötztaler und Stubai-er Hochalpen. - Ver. Mus. Ferdinandeum in Innsbruck, **19**: 145 – 190.
- Jack R.W. 1908. The earth flea. - Cape of Good Hope Agric. J., **32**: 614 – 620.
- James D.G. 1987. Toxicity of pesticides to the red-legged earth mite *Halotydeus destructor*. - Plant Protect. Quart., **2**: 58–59
- James D.G. 2000. Abundance and phenology of earth mites (Acari, Penthaleidae) and predatory mites in pesticide-treated and pesticide-free grassland habitats in southern New South Wales, Australia. - Internat. J. Acarol., **26**(4): 363–369.
- James D.G., K.J. O'Malley. 1993. Phenology of egg production and diapause in *Halotydeus destructor* Tucker and *Penthaleus major* Dugès (Acari: Penthaleidae) in southern New South Wales during 1988/89. - Gen. Appl. Entomol., **24**: 33–38.
- Jesionowska K. 1989. New genus and new species of mite of the family Penthalodidae (Actinotrichida, Actinedida, Eupodoidea) from Poland. - Acta zool. Cracov., **32**(3): 57–67.
- Johansen T.J., R. Haug. 2002. Occurrence and damage by *Penthaleus major* (Dugès) (Acari: Penthaleidae) in Norwegian meadows. - Norwegian Journal of Entomology, **49**(1): 67–70.

- Kanda K., Y. Hirai. 1990. Outbreak of the winter grain mite *Penthaleus major* (Dugès) in forage grasses in Nasu district. - Jpn. J. Appl. Entomol. Zool., **34**: 79–81.
- Khaustov A. 2016. Redefinition of the genus *Turanopenthalodes* (Acari: Eupodoidea: Penthaleidae), with a redescription of *Turanopenthalodes polytrichus*. - Systematic and Applied Acarology, **21**(5): 672 – 680.
- Koch C.L. 1836. Deutschlands Crustaceen, Myriapoden und Arachniden. Fasc. 1- 9. Regensburg.
- Koch L. 1879. Arachniden aus Sibirien und Novaja Semlja eingesammelt von der Schwedischen Expedition im Jahre 1875. – Kgl. Svenska Vet.-Akad. Handlingar, **16**(5): 136 pp.
- Kontschán J., R. Albert, K. Almási, V. Kerezsi, I. Tóbiás. 2018. First record of the family Penthaleidae (Acari) in Hungary: Morphological and molecular approaches of the Hungarian *Penthaleus* cf. *major* (Dugès, 1834). - Acta Phytopath. Entomol. Hung., **53**(1): 97-110.
- Kornilov A.V., N.M. Kositsyna. 1981. Pests of cereal crops. - Zashchita Rastenii, **6**: 39.
- Lindroth C.H., H. Andersson, H. Böldvarsson, S.H. Richter. 1973. Surtsey, Iceland. The Development of a New Fauna, 1963-1970 Terrestrial Invertebrates. – Entomologica Scandinavica, Suppl. 5, Munksgaard, Copenhagen. Eupodoidea and Bdelloidea on p. 125 – 129.
- Liu A., S.T.J. Ridsdill. 2000. Cold storage of *Halotydeus destructor* (Acari, Penthaleidae) for use in experiments. - Exp. Appl. Acarol., **24**(2): 123-133.
- Liu A., T.J. Ridsdill-Smith. 2000. Feeding by redlegged earth mite (*Halotydeus destructor*) on seedlings influences subsequent plant performance of different pulse crops. - Aust. J. Exp. Agric., **40**: 715-723.
- Liu A., T.J. Ridsdill-Smith. 2001. Comparison of feeding damage by redlegged earth mite *Halotydeus destructor* (Tucker) (Acari, Penthaleidae) to different grain legume species as an indicator of potentially resistant lines. In: Halliday, R.B. Walter, D.E. Proctor, H.C. Norton, R.A. Colloff, M.J. (Eds.), Acarology: Proceedings of the 10th International Congress. - CSIRO Publishing, Melbourne: 295-299.
- Macfadyen A. 1954. The invertebrate fauna of Jan Mayen Island (East Greenland). – Journal of Animal Ecology, **23**(2): 261 – 297.
- McDonald G., K. Moritz, E. Merton, A.A. Hoffmann. 1995. The biology and behaviour of redlegged earth mite and blue oat mite on crop plants. - Plant Protection Quarterly, **10**(2): 52 – 54.
- Maino J.L., M. Binns, P. Umina. 2018. No longer a west-side story - pesticide resistance discovered in the eastern range of a major Australian crop pet, *Halotydeus destructor* (Acari: Penthaleidae). - Crop Pasture Sci., **69**(2): 216-221.
- Mihelčič F. 1958a. Zoologisch-systematische Ergebnisse der Studienreise von H. Janetschek und W. Steiner in die spanische Sierra Nevada 1954. IX. Milben (Acarina). – S.B. Ost. Akad. Wiss., I, **167**(1-2): 35 – 57.
- Mihelčič F. 1958b. Prostigmata Südeuropas (Spanien). – Eos, Madrid, **34**(3): 269 – 290.
- Mihelčič F. 1958c. Milben (Acarina) aus Tirol und Voralberg. – Veröff. Mus. Ferdinandeum, Innsbruck, **37**, 1957: 99 – 120.
- Müller O.F. 1776. Zool. Dan. Prodromus: seu Animalium Daniae et Norvegiae indigenarum ; characteres, nomina, et synonyma imprimis popularium. Havniae: typis Hallageriis.

- Narayan D.S. 1957. A new species of *Penthaleus* from Mexico (Acarina: Penthaleidae). - Journal of the Kansas Entomological Society, **30**: 111–113.
- Narayan D.S. 1962. Morphological, biological and ecological studies on the winter grain mite, *Penthaleus major* (Dugès), Penthaleidae; Acarina Part 1. - Journal of the Zoological Society of India, **14**: 45 – 63.
- Navajas M. 1998. Host plant associations in the spider mite *Halotydeus destructor* (Acari: Tetranychidae): insights from molecular phylogeography. - Exp. Appl. Acarol., **22**: 201–214.
- Newman L.J. 1923. The Red-legged Velvet Earth Mite *Notophallus bicolor* (Frog.). - Western Australia Department of Agriculture, Bulletin 106, 1-4.
- Newman L.J. 1924. A rapidly increasing pest. - Journal of the Department of Agriculture of Western Australia I, 164.
- Newman L.J. 1925a. The Red Legged Earth Mite *Penthaleus destructor* Jack). Journal of the Department of Agriculture of Western Australia (Second series), **2**: 469–475.
- Newman L.J. 1925b. The Red Legged Earth Mite *Penthaleus destructor* Jack). - Western Australia Department of Agriculture, Leaflet 106, 1-7 (revised edition).
- Newman L.J. 1936. Red-legged Earth Mite *Halotydaeus destructor* (Tucker). - Journal of the Department of Agriculture of Western Australia (Second series), **13**: 49–54.
- Oudemans A.C. 1931. Acarologische Aanteekeningen, CVIII. - Ent. Ber., **8**: 251–263.
- Oudemans A.C. 1937. Kritisch Historisch Overzicht der Acarologie. Derde Gedelte 1805 – 1850. Land C. Leiden, E.J. Brill.
- Qin T.K. 1996. A review and cladistic analysis of Eupodoidea (Acari: Prostigmata). - Syst. & Appl. Acarol., **1**: 77–105.
- Qin T.Q. 1997. Population genetics of the redlegged earth mites *Halotydeus destructor* and *H. anthropus* (Acarina: Penthaleidae) from Australia and/or South Africa. - Bulletin of entomological research, **87**: 289 – 298.
- Qin T.Q. 1998. A checklist and key to species of Eupodoidea (Acari: Prostigmata) from Australia and New Zealand and their subantarctic islands. - J. of the Royal Society of New Zealand, **28**(2): 295 – 307.
- Qin T.Q., R.B. Halliday. 1995. Systematic studies of redlegged earth mite *Halotydeus destructor* (Tucker) and related species (Acarina: Penthaleidae). - Plant protection quarterly, **10**: 50 – 62.
- Qin T.Q., R.B. Halliday. 1996a. Revision of the Australian and South African species of *Halotydeus* Berlese (Acarina: Penthaleidae). - Bulletin of entomological research, **86**: 441 – 450.
- Qin T.Q., R.B. Halliday. 1996b. The Australian species of *Chromotydaeus* Berlese and *Penthaleus* C. L. Koch (Acarina: Penthaleidae). - Journal of Natural History, **30**(12): 1833 – 1848.
- [Rekk G.F.] 1976. [Catalogue of the Acarofauna of Georgian SSR]. Mecniereba, Tbilisi, 127 pp. (in Russian).
- Ridsdill-Smith T. J. 1997. Biology and control of *Halotydeus destructor* (Tucker) (Acarina: Penthaleidae) – a review. - Exp. Appl. Acarol., **21**: 195–224.
- Ridsdill-Smith T.J., C.C. Pavri. 2000. Feeding Life Style of Redlegged Earth Mite, *Halotydeus destructor* (Acari: Penthaleidae), in pastures and the role of broad-leaved weeds. - Experimental & Applied Acarology, **24**: 397–414.

- Robinson M.T., A.A. Hoffmann. 2000. Additional tests on the effects of pesticides on cryptic species of blue oat mite (*Penthaleus* spp.) and the redlegged earth mite (*Halotydeus destructor*). - Aust. J. Exp. Agric., **40**(5): 671-678.
- Robinson M.T., A.A. Hoffmann. 2001. The pest status and distribution of three cryptic blue oat mite species (*Penthaleus* spp.) and redlegged earth mite (*Halotydeus destructor*) in southeastern Australia. - Experim. and Applied Acarology, **25**: 699 – 716.
- Robinson M.T., R. Weeks, A.A. Hoffmann. 2002. Geographic patterns of clonal diversity in the earth mite species *Penthaleus major* with particular emphasis on species margins. - Evolution, **56**: 1160–1167.
- Schmölzer K. 1993. Die hochalpinen Landmilben der östlichen Brennerberge (Acarina terrestria). - Veröff. des Museum Ferdinandeum, **73**: 47 – 67.
- Schweizer J., C. Bader. 1963. Die Landmilben der Schweiz (Mittelland, Jura und Alpen) -Trombidiformes Reuter. - Denkschr. schweiz. naturf. Ges., **84**: 209 -378.
- Sellnick M. 1940. Die Milbenfauna Islands. - Göteborgs Kungl. Vetenskaps- och Vitterhets-Samhälles Handlingar, ser. B, **6**(14): 129 pp.
- Shiba M. 1969. Taxonomic investigations on free-living mites in the subalpine forest on Shiga Heights IBP area II. Prostigmata. - Bull. natn. Sci. Mus., **12**: 65-115.
- Strandtmann R.W. 1981. A new genus and species of penthaleid mite (Acarina: Penthaleidae) from New Zealand. - Pacific Insects, **23**: 392-395.
- Strandtmann R.W., P. J. Tilbrook. 1968. Some Prostigmata (Acari) from Signy Island, South Orkney Islands, and Deception Island, South Shetland Islands. - Br. Antarct. Surv. Bull., **17**: 51 – 57.
- Stoll O. 1886 – 1893. Biologia Centrali-Americana: Arachnida Acaridea.
- Stuxberg A. 1884. Faunan på och kring Novaja Semlja. - Stockholm, p. 49.
- Swan D.C. 1934. The red-legged earth mite *Halotydeus destructor* (Tucker) in South Australia: with remarks upon *Penthaleus major* (Dugès). - J. Agri. South Aust., **38**: 353–367.
- Thor S. 1912. Verzeichnis der in Norwegen gefundenen Eupodidae. - Zool. Anz., **39** (5/6): 235 – 237.
- Thor S., C. Willmann. 1941. Acarina. Eupodidae, Penthalodidae, Penthaleidae, Rhagidiidae, Pachygnathidae, Cunaxidae. - Das Tierreich, **71a**, 186 pp.
- Thorell T. 1871. Om Arachnider från Spetsbergen och Beeren-Eiland. - Öfversigt af Kongl. Vetenskaps-Akademiens Förhandlingar, **28**(6): 683-702.
- Trägårdh I. 1901. Beiträge zur Fauna der Bären-Insel. 5. Die Acariden. Zugleich ein Beitrag zur Kenntnis der Entwicklungsgeschichte der Bdelliden. - Bihang till Kongl. Svenska Vetenskaps-Akademiens Handlingar, **26**(4): 1 – 24.
- Trägårdh I. 1904. Monographie der arktischen Acariden. - Fauna Arctica, **36**(4): 1-78.
- Trouessart É. L. 1902. Arachnida. Report on the collections of natural history made in the Antarctic regions during the voyage of the “Southern Cross”: 225.
- Trouessart É. L. 1903. Acariens (Trombididae, Eupodidae, Gamasidae). - Résultats du voyage du S. Y. Belgica. Zoologie, 4.

- Tucker R. W. E. 1925. The black sand mite: *Penthaleus destructor* n. sp. – Entomology Memoirs, Dept. of Agriculture, Union of South Africa, **3**: 21 – 36.
- Umina P.A., A.A. Hoffmann. 1999. Tolerance of cryptic species of blue oat mites (*Penthaleus* spp.) and the redlegged earth mite (*Halotydeus destructor*) to pesticides. – Aust. J. Exp. Agric., **39**: 621–628.
- Umina P.A., A.A. Hoffmann. 2003. Diapause and implications for control of *Penthaleus* species and *Halotydeus destructor* (Acari: Penthaleidae) in southeastern Australia. – Exp. Appl. Acarol., **31**: 209–223.
- Umina P.A., A.A. Hoffmann. 2004. Plant host associations of *Penthaleus* species and *Halotydeus destructor* (Acari: Penthaleidae) and implications for integrated pest management. – Exp. Appl. Acarol., **33**: 1–20.
- Umina P.A., A.A. Hoffmann, A.R. Weeks. 2004. Biology, ecology and control of the *Penthaleus* species complex (Acari: Penthaleidae). – Experimental and Applied Acarology, **34**: 211 – 237.
- Umina P.A., A. Lord, S. Micic, O. Edwards. 2017. Discovery and characterisation of field resistance to organophosphorus chemicals in a major mite pest, *Halotydeus destructor*. – Pest Manag. Sci., **73**: 1719–1724.
- Valle da Silva Pereira P., J. R. Salvadori, D. Navia, S. Lampert. 2017. First Record of *Penthaleus major* (Acari: Penthaleidae) in Brazil. – Proc. Ent. Soc. Washington, **119**(1): 157 – 161.
- Wallace M.M.H. 1970. Diapause in the aestivating egg of *Halotydeus destructor* (Acari: Eupodidae). – Aust. J. Zool., **18**: 295–313.
- Wallace M.M.H., J.A. Mahon. 1971. The distribution of *Halotydeus destructor* and *Penthaleus major* (Acari: Eupodidae) in Australia in relation to climate and land use. – Australian J. of Zoology, **19**(1): 65 – 76.
- Weeks A.R., A.A. Hoffmann. 1998. Intense selection of mite clones in a heterogenous environment. – Evolution, **32**: 1325–1333.
- Weeks A.R., A.A. Hoffmann. 1999. The biology of *Penthaleus* species in southeastern Australia. – Entomologia Experimentalis et Applicata, **92**: 179–189.
- Weeks A.R., A.A. Hoffmann. 2000. Competitive interactions between two pest species of earth mite, *Halotydeus destructor* and *Penthaleus major* (Acarina: Penthaleidae) in pastures and crops. – Journal of Economic Entomology, **93**(4): 1183–1191.
- Weeks A.R., Y.J. Fripp, A.A. Hoffmann. 1995. Genetic structure of *Halotydeus destructor* *Penthaleus major* populations in Victoria (Acari: Penthaleidae). – Exp. Appl. Acarol., **19**: 633–646.
- Weeks A.R., M. Turelli, A.A. Hoffmann. 2000. Dispersal patterns of pest earth mites (Acari: Penthaleidae) in pastures and crops. – Journal of Economic Entomology, **93**: 1415–1423.
- Willmann C. 1951a. Die hochalpine Milbenfauna der mittlern Hohen Tauern ins besondere des Grossglockner-Gebietes (Acari). – Bonn. Zool. Beitr., **2**(1-2): 141 – 176.
- Willmann C. 1951b. Untersuchungen über die terrestrische Milbenfauna im pannonischen Klimagebiet Österreichs. – Sitzungsber. der Österr. Akademie der Wissenschaften, Mathem. – naturwiss. Kl., Abt. I, **160** Bd.: 91 - 176.

- Womersley H. 1941. The red-legged earth-mite (Acarina, Penthaleidae) of Australia. - Transactions of the Royal Society of South Australia, **65**(2): 292–294.
- Xuan Cheng, A. A Hoffmann, J. L Maino, P. A. Umina. 2018. A cryptic diapause strategy in *Halotydeus destructor* (Tucker) (Trombidiformes: Penthaleidae) induced by multiple cues. - Pest Management Science, <https://doi.org/10.1002/ps.5053>
- Xuan Cheng, P. Umina, A. Hoffmann. 2018. Influence of previous host plants on the reproductive success of a polyphagous mite pest, *Halotydeus destructor* (Trombidiformes: Penthaleidae). - Journal of Economic Entomology, **111**(2): 680 – 688.
- Zhang Zhi-Qiang. 2010. Terrestrial Parasitengona (except chiggers) of China: a review of progress in systematics and biology, with a checklist of species. – Zoosymposia, 4: 94 - 105.
- Zhang Zhi-Qiang, Xiao-Yue Hong. 2010. Xin Centenary and Progress in Chinese Acarology: an Introduction. – Zoosymposia 4: 5 – 10.

The Mite Family Proterorhagiidae Lindquist et Palacios-Vargas

Proterorhagiidae Lindquist & Palacios-Vargas, 1991: 341

Family containing only one species from Mexico.

Catalogue of Proterorhagiidae

Family **Proterorhagiidae** Lindquist et Palacios-Vargas

Proterorhagiidae Lindquist & Palacios-Vargas, 1991: 341

Type genus: *Proterorhagia* Lindquist et Palacios-Vargas, 1991

Genus ***Proterorhagia*** Lindquist et Palacios-Vargas

Proterorhagia Lindquist & Palacios-Vargas, 1991: 341

Type species: *Proterorhagia oztotloica* Lindquist et Palacios-Vargas, 1991

Proterorhagia oztotloica Lindquist et Palacios-Vargas

Proterorhagia oztotloica Lindquist & Palacios-Vargas, 1991: 344

Type locality: border area between the states of Colima and Jalisco, Pozo La Escondida near Lagunitas Village, 2200 m

Distribution: Mexico

Index of Proterorhagiidae

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

oztotloica, ***Proterorhagia*** 156

Proterorhagiidae 155

Proterorhagia 155

Distribution of Proterorhagiidae

NORTH AMERICA

Mexico (Lindquist & Palacios-Vargas, 1991) – *Proterorhagia oztotloica*

Bibliography of Proterorhagiidae

Lindquist E.E., J.G. Palacios-Vargas. 1991. Proterorhagiidae (Acari, Endeostigmata), a new family of Rhagidiid-like mites from Mexico. – *Acarologia*, **32**(4): 341-363.

The Mite Family Strandtmanniidae Zacharda

Strandtmanniidae Zacharda, 1979: 77

Monotypical family known from the Czech Republic.

Catalogue of Strandtmanniidae

Family **Strandtmanniidae** Zacharda

Strandtmanniidae Zacharda, 1979: 77

Type genus: *Strandtmannia* Zacharda, 1979

Genus ***Pilorhagidia*** Strandtmann et Goff, 1978

Pilorhagidia Strandtmann & Goff, 1978: 141

Strandtmannia Zacharda, 1979: 78

Type species: *Pilorhagidia hirsuta* Strandtmann et Goff, 1978

Pilorhagidia celtarum (Zacharda)*Strandtmannia celtarum* Zacharda, 1979: 78*Pilorhagidia celtarum* (Zacharda):

Type locality: Bohemia centr., Zavist-knoll near Zbraslav

Distribution: Czech Rep.

Pilorhagidia hirsuta Strandtmann et Goff*Pilorhagidia hirsuta* Strandtmann & Goff, 1978: 141

Type locality: Hawaii I: HVNP, Mauna Loa Trail, 2040 rn

Distribution: Hawaii Islands

Index of Strandtmanniidae(Names in **bold** are accepted as valid)***celtarum***, ***Pilorhagidia*** 157*celtarum*, *Strandtmannia* 157***hirsuta***, ***Pilorhagidia*** 157***Pilorhagidia*** 157*Strandtmannia* 157**Strandtmanniidae** 156**Distribution of Strandtmanniidae****EUROPE****Czech Rep.** (Zacharda, 1979) - *Pilorhagidia celtarum***OCEANIA****Hawaii Islands** (Strandtmann & Goff, 1978) – *Pilorhagidia hirsuta***Bibliography of Strandtmanniidae**Strandtmann R.W., M.L.Goff. 1978. The Eupodoidea of Hawaii (Acarina: Prostigmata). - Pacific insects, **19**(3/4): 121-143.Zacharda M. 1979. Strandtmanniidae, a new family of Eupodoidea Acarina Prostigmata. - Vestník Československe společnosti zoologické, **43**(1): 76-81.

Mite Superfamily Tydeoidea

Tydeoidea Cunliffe, 1955

The Superfamily contains the families Ereyнетidae, Iolinidae, Triophtydeidae and Tydaeidae.

The Mite Family Ereyнетidae Oudemans

The family Ereyнетidae contains three subfamilies: Ereyнетinae (free living in the soil), Speleognathinae (parasites in the respiratory passages of molluscs, birds and mammals) and Lawrencarinae (parasites in the respiratory passages of frogs and toads). Until 1936 only the Ereyнетinae were known, described by several early acarologists, starting with Schrank (1776) and C.L. Koch (1836). In 1883 A. Berlese described the genus *Ereyнетes* and in 1931 Oudemans created the family Ereyнетidae. Some other specialists who contributed to the study of Ereyнетinae are Vitzthum (1931), André & Lamy (1930, 1931), Thor (1932a, 1932b, 1936), E.W. Baker (1945), Turk & Phillips (1945), R.A. Baker (1970a, b), Cooreman (1947), Willmann (1936, 1949, 1953), Mihelčić (1958), Hunter (1964), Corpuz-Raros (1975), Shiba (1976), Zabludovskaya (1994) and again Berlese (1910, 1923). Many publications were devoted to the peculiar mites parasitizing the snails and slugs (*Riccardoella*). The modern arrangement of this interesting group is due to A. Fain and his co-authors J. L. van Goethem, A.M. Camerik and G.M. Barker.

The mighty presence of A. Fain in the study of Ereyнетidae began in 1955. Firstly he submitted part of his collection from Rwanda to J. Cooreman, who described the first African member of the family as new genus and species *Speleognathopsis galli* Cooreman, 1955. This was the end of the pre-Fain era in the study of Ereyнетidae. Only from the present day species have been known by this time from the parasitic subfamilies Speleognathinae and Lawrencarinae, and they were wrongly positioned in the system. In 1936 H. Womersley described the peculiar mite *Speleognathus australis*, for which he created the new family (now subfamily) Speleognathidae. Followed E. Boyd with "*Speleognathus*" *sturni* Boyd, 1948, the first among the many nasal parasites of birds and mammals we know now. Womersley (1953) named this mite *Boyardia sturni*. Meanwhile Lawrence (1952) described the first mite endoparasite of Anura, but named it *Riccardoella eweri*. Followed several other parasites of frogs and toads, now 12 species in the genera *Lawrencarus* Fain, 1957, *Batracarus* Fain, 1961 and *Xenopacarus* Fain, Baker & Tinsley, 1969. Fain (1962) summarized the data on the mites parasitizing Anura. Kethley (1971) described one new genus (*Hydranetes*) with two new species of Ereyнетid mites, living under elytrae of Hydrophilid beetles in Florida.

The rich collection of endoparasitic mites, brought by Fain from Rwanda and Congo, was the basis for the many descriptions of new taxa in the subfamily Speleognathinae. The mites of this subfamily in the Afrotropical Region have been reviewed by Skoracki et al. (2018).

Very few people interfered in the stream of papers by Fain and co-authors (Aitken, Bafort, Tinsley, Baker, Barker, Camerik, Goff, Herin, Puylaert, Hyland, Klompen, Lukos-

chus, Mortelmans, Nadchatram, Prasse, van Goethem, Vercammen-Grandjean, Wagner, Flechtmann, Leal). Dubinin (1957) was the author of the new genus *Ophthalmognathus*. Other specialists describing Speleognathinae were Crossley (1952), Womersley (1936, 1953), Van Eyndhoven (1955), Ford (1959, 1962), Clark (1958, 1960, 1964, 1967a, 1967b), Domrow (1965, 1969, 1991), Pence (1973), Pence & Casto (1976), OConnor (1978).

The family Ereyetidae contains now (end 2021) 180 species of 35 genera and three subfamilies. The progress since the first general paper on the family (Thor, 1933) is obvious: by this time only 15 species of 3 (actually two – *Ereynetes* and *Riccardoella*) genera have been recognized in Ereyetidae. Most species are endoparasites.

Fam. **Ereyetidae** – 35 genera, 180 sp.

Subfam. **Ereyetinae** – 78 sp.

Tribe **Austrereynetini**

Austrereynetes Fain et Barker, 2003 – 1 sp.

Tribe **Ereyetini**

Ereynetes Berlese, 1883 – 55 sp.

Anereynetes Fain, 1964 - 24

Ereynetes Berlese, 1883 - 21

Gymnereynetes Fain, 1964 - 4

Huntereynetes Fain, 1964 - 3

Opsereynetes Thor, 1932 - 3

Hanriccardoella André, Ducarme et Lebrun, 2004 - 1

Hydranetes Kethley, 1971 - 2

Protereunetes Berlese, 1923 - 9

Pseudotydeus Baker et Delfinado, 1974 - 2

Riccardoella Berlese, 1923 - 8

Prorriccardoella Fain et van Goethem, 1986 - 6

Riccardoella Berlese, 1923 – 2

Subfam. **Speleognathinae** - 90 sp.

Tribe **Boydaiaini**

Boydaia Womersley, 1953 - 41

Coboydaia Fain, 1971 - 5

Coboydaia (*Apodiboydaia*) Fain, 1985 - 1

Coboydaia (*Coboydaia*) Fain, 1971 - 4

Tribe **Trispeleognathini**

Astrida Fain, 1955 - 4

Astrida Fain, 1955 - 2

Cerylonyssus Fain et Aitken, 1970 – 1

Aureliania Fain, 1958 – 1

Meropiboydaia Fain, 1985 - 1

Metaboydaia Fain, 1962 - 1

Neastrida Fain, 1962 - 1

Neoboydaia Fain, 1958 - 3
Ophthalmognathus Dubinin, 1957 - 2
Phoenicopterella Fain, 1970 - 2
Picinyssus Fain, 1969 - 1
Psittaboydaia Fain, 1985 - 2
Pterniboydaia Fain, 1985 - 1
Trispeleognathus Fain, 1958 -
Tribe **Paraspeleognathopsini**
Paraspeleognathopsis Fain, 1958 - 4
Tribe **Speleochirini**
Hipposideroptes Fain, 1970 - 1
Neospeleognathopsis Fain, 1958 - 3
Neospeleognathopsis (*Neospeleognathopsis*) Fain, 1958 - 1
Neospeleognathopsis (*Speleomyotis*) - 1
Neospeleognathopsis (*Pteropignathus*) - 1
Ralliboydaia Fain, 1962 - 3
Speleochir Fain, 1966 - 5
Neospeleochir Fain, 19 - 1
Speleognathopsis Cooreman, 1954 - 6
Speleomys Fain, 1970 - 1
Speleorodens Fain, 1962 - 6
Tribe **Speleognathini**
Domrownetes OConnor, 1978 - 1
Speleognathus Womersley, 1936 - 4
Subfamily **Lawrencarinae** Fain, 1957 - 12 sp.
Tribe **Lawrencarini** Fain
Batracarus Fain, 1961 - 1
Lawrencarus Fain, 1957 - 8
Tribe **Xenopacarini** Fain, Baker et Tinsley, 1969
Xenopacarus Fain, Baker et Tinsley, 1969 - 3

Catalogue of Ereynetidae

Family **Ereynetidae** Oudemans
Ereynetidae Oudemans, 1931: 253
Type genus: *Ereynetes* Berlese, 1883
Speleognathidae Womersley, 1936 (syn. by Fain, 1957: 250)
Type genus: *Speleognathus* Fain, 1936: 313

Microereunetidae Bottazzi, 1950: 38; syn. by Fain, 1954a: 110

Type genus: *Microereunetes* Berlese, 1924: syn. by Fain, 1954a: 110

Subfamily **Ereynetinae** Fain

Ereynetinae Fain, 1957: 250

Type genus: *Ereynetes* Berlese, 1883

Pseudotydeinae Baker & Delfinado, 1974: 444 – syn. by André & Ducarme, 2003: 373

Type genus: *Pseudotydeus* Baker et Delfinado, 1974

Tribe **Austrereynetini** Fain et Barker

Austrereynetini Fain & Barker, 2003: 233

Type genus: *Austrereynetes* Fain et Barker, 2003

Genus ***Austrereynetes*** Fain et Barker

Austrereynetes Fain & Barker, 2003: 234

Type species: *Austrereynetes maudensis* Fain et Barker, 2003

Austrereynetes maudensis Fain et Barker

Austrereynetes maudensis Fain & Barker, 2003: 235

Type locality: Maud Island, Marlborough Sounds, New Zealand

Distribution: New Zealand

Host: *Pseudaneitea schauinslandi* (Gastropoda: Pulmonata: Athoracophoridae)

Tribe **Ereynetini** Fain

Type genus: *Ereynetes* Berlese, 1883

Genus ***Ereynetes*** Berlese

Ereynetes Berlese, 1883: 5.1

Ereunetes Berlese, 1883: fasc.V, 1, tav.22 (non *Ereunetes* Illiger, 1911: Aves)

Microereunetes Berlese, 1921: 24; 1923: 243

Type species: *Tydeus polymytus* C.L. Koch, 1836 [*Ereynetes galeatus* Berlese, 1883], see Fain, 1985b: 257

Neoereunetes Bottazzi, 1950: 44 (n.nov.), type sp. *polymytis*. Syn. by Fain, 1964a: 111

Ereynetoides Fain et Nadchatram, 1962a: 69: type sp. *Ereynetoides malayi* Fain et Nadchatram, 1962a: 72. Syn. by Fain, 1964a: 110

Subgenus ***Ereynetes*** Berlese

Ereynetes Berlese, 1883: 5.1; Fain, 1985b: 257

Type species: *Tydeus polymytus* C.L. Koch, 1836 [*Ereynetes galeatus* Berlese, 1883]

***Ereynetes (Ereynetes) agilis* (Berlese)(sp. inquirenda)**

Micrereunetes (Protereunetes) agilis Berlese, 1923: 245; Fain, 1964a: 99

Ereynetes (Ereynetes) agilis Berlese: Fain, 1964a: 106; Fain & Camerik, 1994: 150

Protereunetes agilis (Berlese): Thor & Willmann, 1941: 54; Strandtmann, 1971: 82

Type locality: Palermo

Distribution: Sicily

Host: moss

***Ereynetes (Ereynetes) amplectorus* (Hunter)**

Ereynetoides amplectorus Hunter, 1964: 86; Siahkamari et al., 2020:

Ereynetes (Ereynetes) amplectorus Hunter: Fain, 1964a: 110; Fain & Camerik, 1994: 156

Type locality: American Fork, Utah

Distribution: Mexico, USA (Utah), South Africa, Iran

Host: on celery

***Ereynetes (Ereynetes) arcuatus* (Berlese)**

Micrereunetes arcuatus Berlese, 1923: 244

Ereynetes arcuatus (Berlese): Thor, 1933: 72

Ereynetes (Ereynetes) arcuatus Berlese: Fain, 1964a: 106

Type locality: Portici

Distribution: Italy

***Ereynetes (Ereynetes) boharti* Hunter et Cross**

Ereynetes (Ereynetes) boharti Hunter & Cross, 1968: 156; Fain & Camerik, 1994: 151

Type locality: Shoshoni, Wyoming

Distribution: USA (Wyoming)

Host: from artificial nest of bee, *Nomia melanderi* (Hymenoptera, Halictidae)

***Ereynetes (Ereynetes) bolitophilus* Fain et Camerik**

Ereynetes (Ereynetes) bolitophilus Fain & Camerik, 1994: 156; Abdelgayed et al., 2019: 32

Type locality: Sandton (South Africa)

Distribution: South Africa, Egypt

Host: cow dung

***Ereynetes (Ereynetes) cavernarum* Shiba**

Ereynetes cavernarum Shiba, 1971: 226

Type locality: Kaminari-ana Pit, Kansu-yama, Fujiwara, Susono-shi, Shizuoka Pref.

Distribution: Japan

***Ereynetes (Ereynetes) centralis* (Berlese)**

Micrereunetes galeatus var. *centralis* Berlese, 1923: 243

Ereynetes centralis (Berlese): Thor, 1933: 74
Ereynetes (Ereynetes) galeatus centralis (Berlese): Fain, 1964a: 106
Neoereunetes centralis (Berlese): Bottazzi, 1950: 40
 Type locality: Italy ("in agro Florentino")
 Distribution: Italy
 Host: manure, humus, chestnut wood

Ereynetes (Ereynetes) excellens (Berlese)
Micrereunetes excellens Berlese, 1923: 243
Ereynetes excellens Berlese: Thor, 1933: 73
Ereynetes (Ereynetes) excellens Berlese: Fain, 1964a: 106
 Type locality: Japan
 Distribution: Japan

Ereynetes (Ereynetes) faini (Hunter)
Ereynetoides faini Hunter, 1964: 188
Ereynetes (Ereynetes) faini Hunter: Fain, 1985b: 257; Fain & Camerik, 1994: 151
 Type locality: Boston
 Distribution: USA (on beet root from Denmark and lily bulbs from England), Mexico

Ereynetes (Ereynetes) galeatus (Berlese)
Micrereunetes galeatus Berlese, 1923: 243
Acarus limacum, Berlese, 1883 (non Schrank, 1776)
Ereynetes polymitus, R. Canestrini, 1886 (non Koch, 1838)
Ereynetes ministralis, Oudemans, 1928: 382 (non Koch, 1838)
Micrereunetes polymitus, Berlese, 1920 (non Koch, 1838)
Ereynetes galeatus Berlese: Thor, 1933: 74
Ereynetes (Ereynetes) berlesei Oudemans, 1928: 382
Ereynetes (Ereynetes) galeatus (Berlese): Fain, 1964a: 106; Zabludovskaya, 1994: 35
 Type locality: Palermo
 Distribution: Sicily, Crimea
 Host: in soil

Ereynetes (Ereynetes) gandensis Fain et Bafort
Ereynetes (Ereynetes) gandensis Fain & Bafort, 1973: 409; Fain, 1985b: 257; Fain & Camerik, 1994: 151; Zabludovskaya, 1994: 35
 Type locality: Gand (Belgium)
 Distribution: Belgium, Ukraine
 Host: in humus

Ereynetes (Ereynetes) husatoi Shiba

Ereynetes (Ereynetes) husatoi Shiba, 1976: 139

Type locality: Malaya, Pasoh Forest Reserve

Distribution: Malaysia

Ereynetes (Ereynetes) luriei Fain et Camerik

Ereynetes (Ereynetes) luriei Fain & Camerik, 1994: 157

Type locality: Sandton

Distribution: South Africa

Host: cow dung

Ereynetes (Ereynetes) malayi (Fain et Nadchatram)

Ereynetoides malayi Fain & Nadchatram, 1962a: 72

Ereynetes (Ereynetes) malayi Fain & Nadchatram: Fain, 1964a: 106; 1985b: 257; Fain & Camerik, 1994: 150

Type locality: Fort Betis, Ulu Kelantan, Malaya

Distribution: Malaysia

Host: nasal cavity of *Arachnothera l. longirostra* (Passeriformes: Nectariniidae)

Ereynetes (Ereynetes) pegazzanoae Fain

Ereynetes (Ereynetes) pegazzanoae Fain, 1964a: 95; Zabludovskaya, 1994: 35

Type locality: Tiarno (Italy)

Distribution: Italy, Ukraine

Host: in dung

Ereynetes (Ereynetes) philippinensis Corpuz-Raros

Ereynetes (Ereynetes) philippinensis Corpuz-Raros, 1975: 326; Fain & Camerik, 1994: 151

Type locality: College, Laguna

Distribution: Philippines

Host: Scarabaeid beetle (Coleoptera)

Ereynetes (Ereynetes) punctatus Zabludovskaya

Ereynetes (Ereynetes) punctatus Zabludovskaya, 1994: 37

Type locality: Migya Village, Pervomayskiy Rayon, Nikolaevskaya oblast

Distribution: Ukraine

Host: in dung

Ereynetes (Ereynetes) septentrionalis (Berlese)

Micrereunetes galeatus var. *septentrionalis* Berlese, 1923: 244

Ereynetes septentrionalis (Berlese): Thor, 1933: 73; Çobanoglu et al., 2020:

Ereynetes (Ereynetes) galeatus septentrionalis (Berlese): Fain, 1964a: 106

Ereynetes (Ereynetes) septentrionalis (Berlese): Fain & Camerik, 1994: 150

Type locality: Nord Italy

Distribution: Italy, Turkey

Host: manure

Ereynetes (Ereynetes) tadakii Shiba

Ereynetes (Ereynetes) tadakii Shiba, 1976: 136

Type locality: Malacca

Distribution: Malaysia

Ereynetes (Ereynetes) tshernogoriensis Zabludovskaya

Ereynetes (Ereynetes) tshernogoriensis Zabludovskaya, 1994: 36

Type locality: Karpatskiy Zapovednik [Reserve], Tshernogorskiy Rayon, Transcarpathia;
paratypes from Karadagskiy Zapovednik, Crimea

Distribution: Crimea, Ukraine

Ereynetes (Ereynetes) ueckermanni Fain et Camerik

Ereynetes (Ereynetes) ueckermanni Fain & Camerik, 1994: 154

Type locality: Cluny Farm, Transvaal

Distribution: South Africa

Host: cow and horse dung

Ereynetes (Ereynetes) watsoni Fain

Ereynetoides watsoni Fain, 1962a: 925

Ereynetes (Ereynetes) watsoni (Fain): Fain, 1964a: 106; 1985b: 257; Fain & Camerik, 1994: 150

Type locality: Macquarie Id., Antarctica

Distribution: Macquarie I., Antarctica

Host: *Stilbocarpa* litter

Subgenus ***Anereynetes*** Fain

Anereynetes Fain, 1964a: 104; 1985b: 257

Type species: *Ereynetes hydrophilus* Cooreman, 1947

Ereynetes (Anereynetes) beauchampi Hunter

Ereynetes beauchampi Hunter, 1964: 189

Ereynetes (Anereynetes) beauchampi Hunter: Fain & Camerik, 1994: 151

Type locality: on ginger root, from China at Boston

Distribution: ? China

Host: on ginger roots

Ereynetes (Anereynetes) bipilosus Willmann

Ereynetes bipilosus Willmann, 1953: 482; Franz, 1954: 365

Ereynetes (Anereynetes) bipilosus Willmann: Fain, 1964a: 107; Fain & Camerik, 1994: 153
(with ?)

Type locality: Germany

Distribution: Austria, Germany

Host: soil

Ereynetes (Anereynetes) biscutatus (Berlese)

Micrereunetes biscutatus Berlese, 1923: 243

Ereynetes biscutatus (Berlese): Thor, 1933: 75; Franz, 1954: 365

Ereynetes (Anereynetes) biscutatus (Berlese): Fain, 1964a: 107; Fain & Camerik, 1994: 152 (with ?)

Type locality: “in Agro Veneto”

Distribution: Austria, Italy

Host: dung

Ereynetes (Anereynetes) botswanensis Fain et Camerik

Ereynetes (Anereynetes) botswanensis Fain & Camerik, 1994: 158

Type locality: Mahalapye

Distribution: Botswana

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

Ereynetes (Anereynetes) coenobitus Hunter et Poe

Ereynetes (Anereynetes) coenobitus Hunter & Poe, 1971: 135; Fain, 1985b: 257; Fain & Camerik, 1994: 151

Type locality: Puerto Rico

Distribution: Puerto Rico

Host: *Coenobita clypeatus* (Crustacea, Decapoda, Brachiura: Coenobitidae)

Ereynetes (Anereynetes) copridis Fain et Camerik

Ereynetes (Anereynetes) copridis Fain & Camerik, 1994: 158

Type locality: Mahalapye

Distribution: Botswana

Host: *Copris subsidens* (Coleoptera: Scarabaeidae)

Ereynetes (Anereynetes) corticalis (Vitzthum)

Micrereunetes corticalis Vitzthum, 1923: 98

Ereynetes corticalis (Vitzthum): Vitzthum, 1930: 425; Mihelčič, 1958: 274

Ereynetes (Anereynetes) copridis (Vitzthum): Fain & Camerik, 1994: 152 (with ?)

Type locality: Waidhofen an der Thaya (Austria)

Distribution: Austria, Spain

Host: “im Mittelgang von *Hylesinus* und *Myelophilus*”, under *Alisma plantago*

Ereynetes (Anereynetes) cruciatus* (Berlese)Ereynetes cruciatus* Berlese, 1910: 243*Micrereynetes cruciatus* (Berlese): Fain, 1964a: 96*Ereynetes (Anereynetes) cruciatus* (Berlese): Fain, 1964a: 107; Fain & Camerik, 1994: 151

Type locality: Java

Distribution: Indonesia (Java)

Host: *Copris molossus* (Coleoptera: Scarabaeidae)***Ereynetes (Anereynetes) davisii* Hunter***Ereynetes davisii* Hunter, 1964: 190*Ereynetes (Anereynetes) davisii* Hunter: Fain & Camerik, 1994: 151

Type locality: Gadsden, Arizona

Distribution: USA (Arizona)

Host: "Under bark, cottonwood"

Ereynetes (Anereynetes) hydrophilus* CooremanEreynetes hydrophilus* Cooreman, 1947: 6*Ereynetes (Anereynetes) hydrophilus* Cooreman: Fain, 1964a: 107, 1985b: 257; Zabłudovskaya, 1994: 36; Fain & Camerik, 1994: 151

Type locality: Kalmhoude (Belgium)

Distribution: Belgium, Ukraine

Host: in dung; described from the nest of *Larus ridubundus****Ereynetes (Anereynetes) inermis* Fain***Ereynetes (Gymnereynetes) inermis* Fain, 1964a: 96; Fain & Camerik, 1994: 151

Type locality: Florence

Distribution: Italy

Host: humus

Ereynetes (Anereynetes) insularis* WillmannEreynetes insularis* Willmann, 1952: 158*Ereynetes (Anereynetes) insularis* Willmann: Fain, 1964a: 107; Fain & Camerik, 1994: 153 (with ?)

Type locality: Wangerooge Is.

Distribution: Germany

Host: soil near the coast

Ereynetes (Anereynetes) lyratus* Fain et PrasseEreynetes (Anereynetes) lyratus* Fain & Prasse, 1973b: 233; 1985b: 257; Fain & Camerik, 1994: 151

Type locality: Etzdorf/Saalkreis

Distribution: Germany

Host: soil

Ereynetes (Anereynetes) meliponae Fletchtmann, Fain et Leal

Ereynetes (Gymnereynetes) meliponae Fletchtmann, Fain & Leal, 1985c: 95

Ereynetes (Aneynetes) meliponae: Fain & Camerik, 1994: 151

Type locality: Recife, Pernambuco

Distribution: Brazil

Host: *Melipona scutellaris* (Hymenoptera: Apidae, Meliponinae)

Ereynetes (? Anereynetes) ministralis (C. L. Koch)

Tydeus ministralis C. L. Koch, 1838: fasc. 20, No 12

Ereynetes ministralis (C. L. Koch): Oudemans, 1928: 382; Thor, 1932: 28; Schweizer & Bader, 1963: 248

Ereynetes (? Anereynetes) ministralis (C. L. Koch): Fain & Camerik, 1994: 152

Type locality: Germany

Distribution: Germany, Switzerland

Ereynetes (Anereynetes) minutus Willmann

Ereynetes minutus Willmann, 1949: 127

Ereynetes (Anereynetes) minutus Willmann: Fain, 1964a: 107; Fain & Camerik, 1994: 153 (with ?)

Type locality: Ciechocinek (Poland, not Germany!)

Distribution: Poland

Host: soil

Ereynetes (Anereynetes) ornatus Mihelčič

Ereynetes ornatus Mihelčič, 1958: 274

Ereynetes (Anereynetes) ornatus Mihelčič: Fain, 1964a: 107; Fain & Camerik, 1994: 153 (with ?)

Type locality: Spain

Distribution: Spain

Host: under *Alisma* plantation

Ereynetes (Anereynetes) papuanus Fain et Van Goethem

Ereynetes (Anereynetes) papuanus Fain & Van Goethem, 1978: 125; 1985b: 257; Fain & Camerik, 1994: 151

Type locality: Laing Island, Morobe Prov.

Distribution: Papua New Guinea

Host: *Coenobita rugosa* (Crustacea, Decapoda, Brachiura: Coenobitidae)

Ereynetes (Anereynetes) potator* VitzthumEreynetes potator* Vitzthum, 1932: 78; Thor, 1933: 75*Ereynetes (Anereynetes) potator* Vitzthum: Fain, 1964a: 107; Fain & Camerik, 1994: 152 (with ?)

Type locality: S. Sumatra (Ranau)

Distribution: Indonesia (Sumatra)

Host: in bamboo stumps

Ereynetes (Anereynetes) proximus* MihelčičEreynetes proximus* Mihelčič, 1958: 275*Ereynetes (Anereynetes) proximus* Mihelčič: Fain, 1964a: 107; Fain & Camerik, 1994: 153 (with ?)

Type locality: Spain

Distribution: Spain

Host: under *Alisma* plantation***Ereynetes (Anereynetes) sabinensis* Baker***Ereynetes sabinensis* Baker, 1945: 19*Ereynetes (Anereynetes) sabinensis* Baker: Fain, 1964a: 107; Fain & Camerik, 1994: 153 (with ?)

Type locality: Mexico

Distribution: Mexico

Host: bat guano

Ereynetes (Anereynetes) simplex* WillmannEreynetes simplex* Willmann, 1936: 196; Turk, 1970: 40*Ereynetes (Anereynetes) simplex* Willmann: Fain, 1964a: 107; Fain & Camerik, 1994: 153 (with ?)

Type locality: graphite mine nr. Mährisch-Altschadt (Stare Mesto), Glatzer Schneeberg

Distribution: Bulgaria, Czech Rep. (on the border with Poland)

Host: unknown

Ereynetes (? Anereynetes) sittardiensis* OudemansEreynetes sittardiensis* Oudemans, 1912: 247; 1914: 120; Vitzthum, 1931: 81; Thor, 1933: 73*Ereynetes (? Anereynetes) sittardiensis* Oudemans: Fain, 1964a: 107; Fain & Camerik, 1994: 152; Zabludovskaya, 1994: 36

Type locality: Sittard (Holland)

Distribution: Holland, Ukraine

Host: in the nests of rodents and insectivorans

***Ereynetes (Anereynetes) upelbensis* Corpuz-Raros**

Ereynetes (Anereynetes) upelbensis Corpuz-Raros, 1975: 329; Fain & Camerik, 1994: 151

Type locality: Mt. Makiling, Laguna

Distribution: Philippines

Subgenus ***Gymnereynetes*** Fain in,

Gymnereynetes Fain, 1964a: 104; 1985b: 257

Type species: *Ereynetes macquariensis* Fain, 1962

Ereynetes (Gymnereynetes) aurantipes Fain et Bafort

Ereynetes (Gymnereynetes) aurantipes Fain & Bafort, 1973a: 411; 1985b: 257; Zabludovskaya, 1994: 36; Fain & Camerik, 1994: 152

Type locality: De Pinte nr. Gand (Belgium)

Distribution: Belgium, Ukraine, Crimea

Host: in humus and moss

Ereynetes (Gymnereynetes) brevipes (Berlese)

Micrereunetes (Protereunetes) brevipes Berlese, 1923: 245

Protereunetes brevipes (Berlese): Macfadyen, 1954: 283

Ereynetes (Gymnereynetes) brevipes (Berlese): Fain, 1964a: 107; 1985a: 275; Fain & Camerik, 1994: 152

Type locality: Chianti (in the description: “habitat in Etruria”)

Distribution: Italy, Yan Mayen I.

Host: unknown

Ereynetes (Gymnereynetes) exilis Fain et Prasse

Ereynetes (Gymnereynetes) exilis Fain & Prasse, 1973b: 230; 1985b: 257; Zabludovskaya, 1994: 36; Fain & Camerik, 1994: 152

Type locality: Etzdorf/Saalkreis, Germany

Distribution: Germany, Ukraine, Crimea

Host: in soil

Ereynetes (Gymnereynetes) macquariensis Fain

Ereynetes macquariensis Fain, 1962a: 921; Strandtmann, 1970: ; Crooker, 1977: 489; Luxton, 1990: 397

Ereynetes (Gymnereynetes) macquariensis: Fain, 1964a: 107; 1976: 319; 1985b: 257; Strandtmann & Tilbrook, 1968: 55; Fain & Camerik, 1994: 152

Type locality: Macquarie I.

Distribution: Macquarie I., Signy I., Kerguelen I., Marion I., Antarctic Peninsula

Subgenus ***Huntereynetes*** Fain*Huntereynetes* Fain, 1964a: 110Type species: *Ereynetoides scutulis* Hunter, 1964***Ereynetes (Huntereynetes) propescutulis*** Hunter et Rosario*Ereynetes (Huntereynetes) propescutulis* Hunter et Rosario in Hunter, Rosario & Moser 1989: 16; Penttinen, Viiri & Moser, 2013: 3

Type locality: Georgia (USA)

Distribution: Finland, USA

Host: pine beetles (Coleoptera: Curculionidae, *Ips*) and their tunnels***Ereynetes (Huntereynetes) scutulis*** (Hunter)*Ereynetoides scutulis* Hunter, 1964: 181*Ereynetes (Huntereynetes) scutulis* (Hunter): Fain, 1964a: 110; 1985b: 258; Fain & Camerik, 1994: 152; Pernek et al., 2008:*Ereynetes scutulis* (Hunter): Fernandes et al., 2013: 359

Type locality: Athens, Georgia

Distribution: Croatia, USA (Georgia)

Host: “from *Ips* tunnel in pine log”; phoretic on *Pityokteines spinidens* and *P. vorontzowi* (Col., Scolytidae)***Ereynetes (Huntereynetes) sinescutulis*** Hunter, Rosario et Moser*Ereynetes (Huntereynetes) sinescutulis* Hunter, Rosario & Moser, 1989: 18; Fain & Camerik, 1994: 152 (with ?)

Type locality: Idaho

Distribution: USA

Host: on pine beetles (*Ips pini*)Subgenus ***Opsereynetes*** Thor*Opsereynetes* Thor, 1932: 27(as genus)*Ereynetes (Opsereynetes)*: Fain, 1964a: 106Type species: *Opsereynetes norvegicus* Thor, 1932***Ereynetes (Opsereynetes) norvegicus*** (Thor)*Opsereynetes norvegicus* Thor, 1932: 27 – 28; 1933: 77; Shiba, 1969b: 87*Ereynetes (Opsereynetes) norvegicus* (Thor): Fain, 1964a: 106; 1985b: 258; Fain & Camerik, 1994: 152; Donczyk, 2006: 165

Type locality: South Norway

Distribution: Japan, Norway, Poland

Ereynetes (Opsereynetes) robustus (Baker)

Opsereynetes robustus Baker, 1945: 18

Ereynetes (Opsereynetes) robustus Baker: Fain, 1964a: 106; Fain & Camerik, 1994: 152

Type locality: Desierto de los Leones

Distribution: Mexico

Ereynetes (Opsereynetes) simplex Baker

Ereynetes (Opsereynetes) simplex Baker, 1945: 17

Ereynetes (Opsereynetes) simplex Baker: Fain, 1964a: 106

Type locality: Desierto de los Leones

Distribution: Mexico

Fain & Cemerik (1994) indicate that: "Several other species have been included in the genus *Ereynetes* as species of Incertae sedis by Thor (1933): i.e. *Acarus padi* Schrank, 1803, *Acarus junci* Hermann, 1804, *Acarus mammilaris* Canestrini & Fanzago, 1876 and *Acarus armatus* Canestrini & Fanzago, 1876

Genus ***Hanriccardoella*** André, Ducarme et Lebrun

Hanriccardoella André, Ducarme & Lebrun, 2004: 81

Type species: *Hanriccardoella faini* André, Ducarme et Lebrun, 2004

Hanriccardoella faini André, Ducarme et Lebrun

Hanriccardoella faini André, Ducarme & Lebrun, 2004: 83

Type locality: Han Cave (Rochefort)

Distribution: Belgium

Host: free living

Genus ***Hydranetes*** Kethley

Hydranetes Kethley, 1971: 176

Type species: *Hydranetes tropisternus* Kethley, 1971

Hydranetes citrinensis Kethley

Hydranetes citrinensis Kethley, 1971: 181

Type locality: Citra, Marion County, Florida

Distribution: USA (Florida)

Host: *Tropisternus lateralis nimbatus* (Col.: Hydrophilidae)

Hydranetes tropisternus Kethley

Hydranetes tropisternus Kethley, 1971: 181

Type locality: Citra, Marion County, Florida

Distribution: USA (Florida)

Hosts: *Tropisternus lateralis nimbatus*, *T. quadristriatus*, *T. striolatus* (Col.: Hydrophilidae)

Genus ***Prottereunetes*** Berlese

Micrereunetes (*Prottereunetes*) Berlese, 1923: 245 (subgenus)

Prottereunetes Berlese: Oudemans, 1931: 252 (genus)

Type species: *Micrereunetes* (*Prottereunetes*) *agilis* Berlese, 1923

Prottereunetes boernerii Thor

Prottereunetes boernerii Thor, 1934: 129; Macfadyen, 1954: 283; Strandtmann, 1971: 83

Type locality: Svalbard

Distribution: Svalbard, USA (Alaska), Yan Mayen I.

Prottereunetes clavifrons (R. Canestrini)

Eupodes clavifrons R. Canestrini, 1886: 716

Prottereunetes clavifrons: Strandtmann, 1971: 85

Eupodes mollicellus C.L. Koch, 1838: fasc. 19, nr. 23

Cocceupodes mollicellus: Sig Thor, 1934: 178; Haarløv, 1957: 26

Type locality: Italy

Distribution: Denmark, Germany, Italy, Norway, Svalbard, Sweden

Prottereunetes crozeti Strandtmann

Prottereunetes crozeti Strandtmann, 1972: 48

Type locality: Crozet Island

Distribution: Crozet Island

Prottereunetes maudae Strandtmann

Prottereunetes maudae Strandtmann, 1967: 56

Type locality: Victoria Land, Antarctica

Distribution: Antarctica

Prottereunetes minutus Strandtmann

Prottereunetes minutus Strandtmann, 1967: 55

Type locality: Antarctic Peninsula

Distribution: Antarctica

Prottereunetus paulinae Llano et Gless

Prottereunetus paulinae Llano & Gless, 2013: 299

Type locality: Hallett Station

Distribution: Antarctica

Prottereunetes perforatus Shiba

Prottereunetes perforatus Shiba, 1978: 147

Type locality: Mt. Sagaramine, Shigenobu-sho, Ehime

Distribution: Japan

Protoreunetes striatellus (C.L. Koch)

Eupodes striatellus C.L. Koch, 1838: fa. 19, t.16

Protoreunetes striatellus (C.L. Koch): Oudemans, 1938: 870; Thor & Willmann, 1941: 55

Type locality: Regensburg (Germany)

Distribution: Germany, Estonia, Holland

Protoreunetes villosus Shiba

Protoreunetes villosus Shiba, 1978: 145

Type locality: Tomisato, Betshimura, Ehime

Distribution: Japan

Genus ***Pseudotydeus*** Baker et Delfinado

Pseudotydeus Baker & Delfinado, 1974: 444

Type species: *Pseudotydeus perplexus* Baker et Delfinado, 1974

Pseudotydeus lebruni André et Ducarme

Pseudotydeus lebruni André & Ducarme, 2003: 375

Type locality: Nou Moulin Cave, Wallonia

Distribution: Belgium

Pseudotydeus perplexus Baker et Delfinado

Pseudotydeus perplexus Baker & Delfinado, 1974: 447

Type locality: Columbus, Ohio

Distribution: USA (Ohio)

Genus ***Riccardoella*** Berlese

Micrereunetes (*Riccardoella*) Berlese, 1923: 244

Type species: *Acarus limacum* Schrank, 1776

Subgenus ***Proricardoella*** Fain et van Goethem

Proricardoella Fain & van Goethem, 1986: 129

Type species: *Riccardoella oudemansi* Thor, 1932

Riccardoella* (*Proricardoella*) *canadensis Fain et Van Goethem

Riccardoella (*Proricardoella*) *canadensis* Fain & Van Goethem, 1986: 134; Zabludovskaya, 1995: 90; André, Ducarme & Lebrun, 2004: 81

Type locality: Morgan Arboretum (Canada)

Distribution: Canada, Ukraine

Host: humus

Riccardoella (Proriccardoella) novaezealandiae Fain et Barker*Riccardoella (Proriccardoella) novaezealandiae* Fain & Barker, 2004: 44

Type locality: Mt. Hikurangi, Poverty Bay

Distribution: New Zealand

Host: undescribed genus and species of Athoracophoridae (Gastropoda: Pulmonata)

Riccardoella (Proriccardoella) oudemansi Thor*Riccardoella oudemansi* Thor, 1932a: 249; Sellnick, 1940: 33; Willmann, 1941: 58; 1951: 142; Franz, 1954: 365; Varga & Kontschan, 2004: 95*Riccardoella jenynsi* Thor, 1933: 66*Riccardoella (Proriccardoella) oudemansi* Thor: Fain & Van Goethem, 1986: 129; Fain & Barker, 2004: 48

Type locality: Holland

Distribution: Austria, Bulgaria, Croatia, England, Holland, Hungary, Island, Italy, Mexico, ?Slovakia, South Africa

Hosts: *Arion ater*, *A. lusitanicus*, *A. rufus* (Gastropoda: Arionidae), *Deroceras reticulatum*, *Limax agrestis*, *L. cinereoniger*, *L. cinereus*, *L. flavus*, *L. maximus*, (Gastropoda: Limacidae), *Tandonia budapestensis* (Gastropoda: Milacidae), *Oxychilus draparnaudi*, *Meledella werneri* (Gastropoda: Zonitidae), *Cepaea nemoralis* (Gastropoda: Helicidae)***Riccardoella (Proriccardoella) reaumuri*** Fain et Van Goethem*Riccardoella (Proriccardoella) reaumuri* Fain & Van Goethem, 1986: 134; Fain & Barker, 2004: 48; Waki & Shimano, 2019: 97

Type locality: Jura, nr. Ponarlier

Distribution: France, Japan

Host: *Arianta arbustorum* (Gastropoda: Helicidae)***Riccardoella (Proriccardoella) triodopsis*** Fain et Klompen*Riccardoella (Proriccardoella) triodopsis* Fain & Klompen, 1990: 187

Type locality: Bankhead Nat. Forest, Lawrence Co., Alabama

Distribution: USA (Alabama), Japan

Hosts: *Xolotrema obstructa* [*Triodopsis. obstructa*] (Gastropoda: Polygyridae), *Acusta despecta sieboldtiana* (Gastropoda: Bradybaenidae)***Riccardoella (Proriccardoella) zadielensis*** André, Ducarme et Lebrun*Riccardoella zadielensis* André, Ducarme & Lebrun, 2004: 85

Type locality: Zádiel Gorge, Zádiel and Silica (Slovakia), Amateur's Cave (Czech Rep.)

Distribution: Czech Rep., Slovakia

Host: free living

Subgenus ***Riccardoella*** Berlese*Riccardoella* Berlese, 1923: 244 (subgenus); Fain & van Goethem, 1986: 129Type species: *Acarus limacum* Schrank, 1776***Riccardoella (R.) limacum*** (Schrank)*Acarus limacum* Schrank, 1776: 13; 1781: 521? *Acarus helici* Schrank, 1803: 209*Ereynetes limacum* (Schrank): Berlese, 1883 (in part); Mégnin, 1889*Micrereunetes limacum*: Fain, 1964a: 100*Micrereunetes (Riccardoella) limacum*: Berlese, 1923: 244*Riccardoella limacum* (Schrank): Thor, 1929: 145; Oudemans, 1929: 254; 1931: 253; Turk & Phillips, 1945: 448 (in part); Schweizer & Bader, 1963: 249; Arutyunyan, 1972: 108; Haralabidis et al., 1983: 144*Riccardoella (R.) limacum* (Schrank): Fain & van Goethem, 1986: 130; Fain & Klompen, 1990: 190

Type locality: France

Distribution: Armenia, Belgium, Bulgaria, England, France, Greece, Italy, N. Macedonia ("S. Yugoslavia"), Poland, New Zealand, Serbia, South Africa, Switzerland, USA (recorded also from other countries, but, according to Fain & van Goethem, 1986, these data may concern *Riccardoella oudemansi*)Hosts: *Arianta arbustorum*, *Helix aspersa*, *H. lucorum*, *H. pomatia* (Gastropoda: Helicidae), *Cernuella aginnica* (Gastropoda: Hygromiidae), *Athoracophorus bitentaculatus* (Gastropoda: Athoracophoridae) and other snails***Riccardoella (R.) tokyoensis*** Waki, Hiruta et Shimano*Riccardoella tokyoensis* Waki, Hiruta & Shimano, 2018: 163

Type locality: Tokyo

Distribution: Japan

Hosts: *Tauphaedusa tau* (Gastropoda: Clausiliidae)

Species inquirenda:

Riccardoella concolor (Haldeman)*Hypopus concolor* Haldeman, 1851*Ereynetes concolor*: Banks, 1915: 22*Riccardoella concolor*: Thor, 1933

Distribution: ?North America

Subfamily ***Speleognathinae*** Womersley

Speleognathidae Womersley, 1936: 312 (see the comments of Domrow, 1969: 380)

Speleognathinae: Fain, 1957: 251 and auct.

Type genus: *Speleognathus* Womersley, 1936: 313

Tribe *Boydaiini* Fain

Boydaiini Fain, 1985a: 144

Type genus: *Boydaia* Womersley, 1953

Genus *Boydaia* Womersley

Boydaia Womersley, 1953: 82; Fain, 1962 : 7; 1963: 17

Type species: *Speleognathus sturni* Boyd, 1948

***Boydaia agelaii* Fain et Aitken**

Boydaia (*Boydaia*) *agelaii* Fain & Aitken, 1968: 82; Fain & Lukoschus, 1972a: 90

Boydaia agelaii Fain & Aitken: Bernardon et al., 2015, 2018

Type locality: La Paille Village, Trinidad

Distribution: Brazil, Suriname, Trinidad, USA

Hosts: *Agelaius icterocephalus*, *A. phoeniceus*, *A. ruficapillus*, *Chrysomus ruficapillus* (Passeriformes: Icteridae)

***Boydaia americana* Fain**

Boydaia spatulata americana Fain, 1963c: 46

Boydaia americana: Fain & Aitken, 1968: 80; 1970: 330

Boydaia (*Boydaia*) *americana* Fain: Fain, 1971a: 108

Type locality: South America, Brazil (Zoo birds)

Distribution: Brazil, South Africa, Trinidad

Hosts: *Guiraca coerulea coerulea*, *Sporophila americana*, *Cyanocompsa cyanoides rotschildii*, *Volatinia jacarina*, *Piranga rubra rubra*, *Tangara gyrola*, *Rhamphocelus carbo*, *Coereba flaveola*

***Boydaia aratingae* Fain**

Boydaia aratingae Fain, 1963: 42; Fain & Aitken, 1969: 34

Boydaia (*Boydaia*) *aringae* Fain: Fain, 1971a: 111

Type locality: Anvers (coming from Brazil)

Distribution: Brazil

Host: *Aratinga jandaya* (Psittaciformes: Psittacidae, Psittacinae)

***Boydaia bradornis* Fain**

Boydaia bradornis Fain, 1956c: 654; Zabludovskaya, 1998, 2012; Skoracki et al., 2018: 421

Boydaia (*Boydaia*) *bradornis* Fain, 1958a: 176

Type locality: Akanyaru (Rwanda)

Distribution: Rwanda, Ukraine

Hosts: *Agricola [Bradornis] pallidus griseus*, *Muscinia muscinia* (Passeriformes: Muscicapidae)

***Boydaia buphagi* Fain**

Boydaia (Boydaia) buphagi Fain: Fain, 1961: 58; 1963d: 56, 1971a: 110; Skoracki et al., 2018: 422

Type locality: Rwanda

Distribution: Rwanda

Hosts: *Buphagus africanus* (Passeriformes: Buphagidae), *Lamprocolius chloropterus* (Passeriformes: Sturnidae)

***Boydaia cecropis* Fain**

Boydaia (Boydaia) cecropis Fain, 1969c: 374; Skoracki et al., 2018: 423

Type locality: Akanyaru

Distribution: Rwanda

Host: *Cecropis abyssinica unitatis* (Passeriformes: Hirundinidae)

***Boydaia cinnyris* Fain**

Boydaia cinnyris Fain, 1969c: 373, 1971: 98; Skoracki et al., 2018: 423

Type locality: Akanyaru

Distribution: Rwanda

Hosts: *Cinnyris cupreus cupreus* (= *septrionalis*), *Chalcomitra senegalensis lamperti* (= *aequatorialis*) (Passeriformes: Nectariniidae)

***Boydaia clarki* Fain**

Boydaia clarki Fain, 1963: 41

Boydaia (Boydaia) clarki Fain: Fain, 1971a: 110

Type locality: Zoo d'Anvers (from the USA)

Distribution: USA

Host: *Callipepla squamata* (Galliformes: Odontophoridae)

***Boydaia colini* Clark**

Boydaia colini Clark, 1958: 78; Pence, 1973a: 365

Boydaia (Boydaia) colini Clark: Fain, 1971a: 110

Type locality: Maryland

Distribution: USA (Louisiana, Maryland)

Host: *Colinus virginianus* (Galliformes: Odontophoridae)

***Boydaia cyanerpes* Fain**

Boydaia cyanerpes Fain, 1963c: 45; Fain & Aitken, 1969: 42

Type locality: Recife (dead in Anvers)

Distribution: Brazil

Host: *Cyanerpes cyaneus* (Passeriformes: Thraupidae)

Boydaia faini Dusbábek et Černý

Boydaia faini Dusbábek & Černý, 1970: 276

Type locality: Havana

Distribution: Cuba

Host: *Dendroica cerulea* (Passeriformes: Parulidae)

Boydaia falconis Fain

Boydaia falconis Fain, 1956c: 657, 1963c: 60, 1972: 610; Domrow, 1969: 381; Skoracki et al., 2018: 423

Type locality: Akanyaru (Rwanda)

Distribution: Australia, Rwanda, Chad (Tibesti)

Hosts: *Falco berigora*, *F. cuvieri*, *F. t. tinnunculus* (Falconiformes: Falconidae)

Boydaia formicarii Fain et Aitken

Boydaia formicarii Fain & Aitken, 1970: 331

Type locality: Moscueiro Ferry, Benavides

Distribution: Brazil

Hosts: *Formicarius analis*, *F. colma* (Passeriformes: Formicariidae)

Boydaia hirundoae Fain

Boydaia hirundoae Fain, 1956c: 661; 1960: 114; 1963d: 179; Domrow, 1965: 43; 1969: 381; Pence, 1973a: 365; 1973: 887; 1975: 18; Fain & Aitken, 1968: 81; Fain & Hyland, 1970: 40; Skoracki et al., 2018: 423

Boydaia (Boydaia) hirundoae Fain: Fain, 1958a: 176; 1960: 114; 1963: 56, 1971: 100; Fain, Herin & Puylaert, 1977: 393

Type locality: Akanyaru (Rwanda)

Distribution: Australia, Belgium, Brazil, Mexico, Rwanda, South Africa, Trinidad & Tobago, USA

Hosts: *Hirundo abyssinica*, *H. neoxena*, *H. rustica*, *Petrochelidon [Hylochelidon] ariel*, *Progne chalybea*, *P. subis*, *Stelgidopteryx ruficollis* (Passeriformes: Hirundinidae)

Boydaia indica Fain

Boydaia indica Fain: 1969c: 373; Skoracki et al., 2018: 424

Boydaia (Boydaia) indica Fain: Fain, 1971: 101

Type locality: Anvers Zoo

Distribution: DR Congo, India, East Africa

Hosts: *Acridotheres tristis*, *Gracupita [Sturnopastor] contra*, *Sturnus malabaricus*, *S. pagodarum*, *Lamprocolius chloropterus*, *L. chalybaeus*, *Spreo superbus* (Passeriformes: Sturnidae)

Boydaia jordani Van Eyndhoven

Boydaia jordani Van Eyndhoven, 1955: 203

Boydaia (Boydaia) jordani Van Eyndhoven: Fain, 1958a: 176

Boydaia turdi Clark, 1967: 294 – Type: ex *Turdus migratorius*, Bitterroot Valley, Montana, USA

Type locality: Kampen, Holland

Distribution: Holland, USA

Hosts: *Turdus migratorius*, *T. pilaris* (Passeriformes: Turdidae)

Boydaia laticoxa Fain et Aitken

Boydaia laticoxa Fain & Aitken, 1969: 34; 1970: 328

Type locality: APEG Forest nr. Belem

Distribution: Brazil

Host: *Glyphorynchus spirurus* (Passeriformes: Dendrocolaptidae)

Boydaia laticoxa philydori Fain et Aitken

Boydaia (Boydaia) laticoxa philydori Fain & Aitken, 1970: 328

Type locality: APEG Forest (Station A), IPEAN, Belém

Distribution: Brazil

Host: *Philydor pyrrhodes* (Passeriformes: Furnariidae)

Boydaia locustellae Fain

Boydaia locustellae Fain, 1970b: 320

Type locality: Hoboken nr. Anvers

Distribution: Belgium

Host: *Locustella luscinioides* (Passeriformes: Locustellidae)

Boydaia loxiae Fain

Boydaia loxiae Fain, 1963d: 180

Type locality: Belgium

Distribution: Belgium

Host: *Loxia curvirostra* (Passeriformes: Fringillidae)

Boydaia maluri Domrow

Boydaia maluri Domrow, 1969: 386

Type locality: Cowley Beach, Kowanyama

Distribution: Australia

Hosts: *Malurus amabilis*, *M. melanocephalus* (Passeriformes: Sylviidae)

Boydaia mimi Fain et Hyland

Boydaia mimi Fain & Hyland, 1970: 40; Pence, 1973: 365

Type locality: Vera Cruz

Distribution: Mexico

Hosts: *Mimus gilvus*, *M. polyglottos* (Passeriformes: Mimidae)

Boydaia morenoi Dusbábek et Černý

Boydaia morenoi Dusbábek & Černý, 1970: 274

Type locality: El Dorado, Prov. of Las Villas

Distribution: Cuba

Host: *Mimus polyglottos orpheus* (Passeriformes: Mimidae)

Boydaia myzomelae Domrow

Boydaia myzomelae Domrow, 1969: 383

Type locality: Esk

Distribution: Australia

Host: *Myzomela sanguinolenta* (Passeriformes: Meliphagidae)

Boydaia nectarinia Fain

Boydaia (*Boydaia*) *nectarinia* Fain, 1958a: 180, 1969

Type locality: Akanyaru

Distribution: Rwanda

Hosts: *Cyanomitra verticalis viridisplendens*, *Chalcomitra senegalensis lamperti* (= *aequatorialis*), *Cinnyris cupreus cupreus* (= *septentrionalis*) (Passeriformes: Nectariniidae)

Boydaia pheuticola Pence et Casto

Boydaia pheuticola Pence & Casto, 1976: 468; Spicer, 1977b: 498

Type locality: Texas, Jeff Davis Co., Fort Davis

Distribution: Mexico, USA

Hosts: *Pheucticus melanocephalus*, *Spiza americana* (Passeriformes: Cardinalidae)

Boydaia podargi Fain et Lukoschus

Boydaia podargi Fain & Lukoschus, 1979a: 21; Koch, 1986: 61

Type locality: W. Australia

Distribution: Australia

Host: *Podargus strigoides* (Caprimulgiformes: Podargidae)

Boydaia psalidoprocnei Fain

Boydaia psalidoprocnei Fain, 1956c: 660, 1963 : 57, 1963c: 56; Pence, 1973a: 365

Boydaia (Boydaia) psalidoprocnei Fain, 1958a: 176, 1971: 100

Type locality: Akanyaru (Rwanda)

Distribution: Canada, Russia, Rwanda, USA (Louisiana)

Hosts: *Iridoprocne bicolor*, *Psalidoprocne albiceps*, *Riparia riparia*, *Tachycineta bicolor*
(Passeriformes: Hirundinidae)

Boydaia psittaci Fain et Mortelmans

Boydaia (Boydaia) psittaci Fain & Mortelmans, 1959: 16

Boydaia psittaci: Fain & Aitken, 1969: 42

Type locality: Antwerp Zoo [Peru]

Distribution: Brazil, Mexico, Peru

Hosts: *Pionites melanocephala*, *P. leucogaster*, *Bolborhynchus lineola*, *Forpus passerinus*,
Brotogetis versicolorus, *Amoropsittaca aymara* (Psittaciformes: Psittacidae)

Boydaia pycnonoti Fain

Boydaia pycnonoti Fain, 1956c: 655; Skoracki et al., 2018: 425

Boydaia (Boydaia) pycnonoti Fain: Fain, 1958a: 176, 1963c: 57; 1971: 98; Fain, Herin & Puylaert, 1977: 393

Type locality: Rwanda

Distribution: India, Kenya, Malaysia, Rwanda, South Africa, Zimbabwe

Hosts: *Pycnonotus barbatus tricolor*, *P. goiavier personatus*, *P. jocosus*, *P. leucogenys leucotis*,
P. leucotis, *P. xanthopygus* (Passeriformes: Pycnonotidae)

Boydaia quiscali Clark

Boydaia quiscali Clark, 1960: 108; Fain & Aitken, 1970: 330; Pence, 1973a: 365

Boydaia (Boydaia) quiscali Clark, 1960: Fain, 1971 : 109

Type locality: Louisiana

Distribution: Brazil, Mexico, USA

Hosts: *Quiscalus quiscula* (Passeriformes: Icteridae), *Saltator maximus*, *S. coerulescens*
(Passeriformes: Thraupidae)

Boydaia rosickyi Dusbábek et Černý

Boydaia rosickyi Dusbábek & Černý, 1970: 273

Type locality: Havana

Distribution: Cuba

Host: *Passerina cyanea* (Passeriformes: Fringillidae)

Boydaia saxicolae Fain

Boydaia saxicolae Fain, 1969: 370, 1971: 98; Skoracki et al., 2018: 425

Boydaia (Boydaia) saxicolae Fain: Fain, 1971a: 100

Type locality: Astrida (= Bucavu), Rugege Forest (Rwanda)

Distribution: Holland, Rwanda

Hosts: *Saxicola torquatus axillaris*, *Monticola angolensis*, *Myrmecocichla nigra* (Passeriformes: Muscicapidae), *Turdus pilaris* (Passeriformes: Turdidae)

***Boydaia sinensis* Fain et Bafort**

Boydaia (*Boydaia*) *sinensis* Fain & Bafort, 1963: 80

Type locality: China

Distribution: China

Host: *Leothrix lutea* (Passeriformes: Timaliidae)

***Boydaia spatulata* Fain**

Boydaia sturni var. *spatulata* Fain, 1955b: 695

Boydaia spatulata Fain, 1956a: 47; 1956c: 651; 1956a: 33; 1958a: 10; Domrow 1969: 381; Skoracki et al., 2018: 426

Boydaia (*Boydaia*) *spatulata* Fain, 1958a: 176; 1960 : 114, 1963c: 56; 1971: 100

Type locality: Akanyaru, Butare (= Astrida)(Rwanda)

Distribution: Australia, Botswana, Guinea, Rwanda, South Africa, USA

Hosts: *Melaniparus leucomelas insignis* (Passeriformes: Paridae), *Erythropygia* [*Cercotrichos*] *hartlaubi*, *Pogonocichla stellata ruwenzorii*, *Sheppardia polioptera*, *Cercomela tractrac* (Passeriformes: Muscicapidae), *Sialia sialis* (Passeriformes: Turdidae), *Tiaris canorus*, *Tangara* sp. (Passeriformes: Thraupidae), *Cissomela pectoralis*, *Philemon citreogularis*, *P. corniculatus* (Passeriformes: Melliphagidae), *Iduna similis* (Passeriformes: Acrocephalidae), *Schistolais leucopogon reichenowi* (Passeriformes: Cisticolidae), *Macronyx croceus* (Passeriformes: Motacillidae),

***Boydaia sturni* (Boyd)**

Speleognathus sturni Boyd, 1948: 9; 1951: 79

Boydaia sturni: Womersley, 1953: 82; Cooreman, 1954: 426; Fain, 1956a: 42; 1956c: 651; 1961: 57; 1963c: 56; Domrow, 1969: 381; Pence, 1973a: 365

Boydaia (*Boydaia*) *sturni*: Fain, 1958a: 176

Type locality: Ithaca, N.Y.

Distribution: [Australia], Belgium, USA

Hosts: *Acridotheres tristis*, *Ampeliceps coronatus*, *Sturnus vulgaris*, (Passeriformes: Sturnidae), *Quiscalus* [*Cassidix*] *mexicanus* (Passeriformes: Icteridae)

***Boydaia synallaxis* Fain, Hyland et Aitken**

Boydaia (*Boydaia*) *synallaxis* Fain, Hyland & Aitken, in Fain, 1969c: 376; Fain & Aitken, 1970: 332

Type locality: Musqueiro Ferry, Para, Belém (Brazil), Vera Cruz Cruz (Mexico)

Distribution: Brazil, Mexico

Hosts: *Synallaxis rutilans*, *S. gujanensis*, *S. erythrothorax* (Passeriformes: Furnariidae),
Empidonax sp. (Passeriformes: Tyrannidae)

***Boydaia tyrannis* Ford**

Boydaia tyrannis Ford, 1959: 380; Fain & Aitken, 1970: 330

Boydaia (*Boydaia*) *tyrannis* Ford: Fain, 1971a: 109

Type locality: Hickory Corners, Michigan

Distribution: Brazil, Mexico, Trinidad, USA (Michigan)

Hosts: *Tyrannus tyrannus*, *Elaenia flavogaster*, *Myiophobus fasciatus*, *Pyrocephalus rubinus*
(Passeriformes: Tyrannidae), *Manacus manacus*, *Pipra pipra*, *P. fasciicauda*, *P. iris* (Pas-
seriformes: Pipridae), *Pachyramphus* [= *Platypsaris*] *aglaiae* (Passeriformes: Tityridae)

***Boydaia willmanni* Fritsch**

Boydaia willmanni Fritsch, 1962: 237

Type locality: Erlangen

Distribution: Germany

Host: *Gallinago* [*Capella*] *gallinago* (Charadriiformes: Scolopacidae)

***Boydaia zosteropsis* Fain**

Boydaia zosteropsis Fain, 1963c: 43; 1970b: 320; Domrow, 1969: 381; Skoracki et al., 2018:
426

Boydaia (*Boydaia*) *zosteropsis* Fain: Fain, 1971a: 110

Type locality: Rugege (Rwanda)

Distribution: Australia, Rwanda

Hosts: *Zosterops lateralis*, *Z. senegalensis stuhlmanni* (= *scotti*) (Passeriformes: Zoster-
opidae)

***Boydaia zumpti* Fain**

Boydaia zumpti Fain, 1955b: 695; 1956a: 45; 1956c: 654; Skoracki et al., 2018: 427

Boydaia (*Boydaia*) *zumpti* Fain, 1958a: 176

Type locality: Astida (= Butare)

Distribution: Rwanda

Hosts: *Euryllus* [*Andropadus*] *latirostris latirostris* [= *eugenius*], *Bleda syndactyla woosnami*,
(Passeriformes: Pycnonotidae), *Schoenicola brevirostris alexinae* (Passeriformes:
Locustellidae)

Genus *Coboydaia* Fain

Boydaia (*Coboydaia*) Fain, 1971: 98 (subgenus)

Coboydaia Fain: Fain, 1985a: 146 (genus)

Type species: *Boydaia clavata* Fain, 1955

Subgenus *Apodiboydaia* Fain

Coboydaia (*Apodiboydaia*) Fain, 1985a: 146

Type species: *Boydaia trochila* Fain, 1958

***Coboydaia* (*Apodiboydaia*) *trochila* (Fain)**

Boydaia trochila Fain, 1958: 11

Boydaia (*Coboydaia*) *trochila* Fain: Fain, 1971a: 112

Boydaia (*Apodiboydaia*) *trochila* Fain: Fain, 1985a: 146

Type locality: Antwerp Zoo

Distribution: Brazil

Host: *Chlorestes notatus* (Apodiformes: Trochilidae)

Subgenus ***Coboydaia*** Fain

Boydaia (*Coboydaia*) Fain, 1971a: 98 (subgenus)

Coboydaia Fain: Fain, 1985a: 146 (genus)

Type species: *Boydaia clavata* Fain, 1955

***Coboydaia* (*Coboydaia*) *amandavae* (Fain)**

Boydaia amandavae Fain, 1962b: 363, 1963 : 58, 1970a: 319

Coboydaia amandavae: Fain, 1970b: 319; 1971: 101; Skoracki et al., 2018: 427

Type locality: Antwerp Zoo

Distribution: Central Africa, Indonesia (Java)

Hosts: *Amandava subflava*, *A. amandava*, *Erythrura prasina*, *Sporaeginthus subflavus* (Passeriformes: Estrildidae)

***Coboydaia* (*Coboydaia*) *clavata* (Fain)**

Boydaia clavata Fain, 1955b: 694; 1956c: 655, 1956a: 44, 1960b: 101, 1963 : 371, 1963c: 59; Skoracki et al., 2018: 428

Boydaia (*Apodiboydaia*) *clavata* Fain: Zabludovskaya, 2002: 93

Boydaia (*Coboydaia*) *clavata* Fain: Fain, Herin & Puylaert, 1977: 392

Type locality: Rwanda

Distribution: Burundi, Cameroon, Ghana, Guinea, Rwanda, Senegal, South Africa, Zambia, Zimbabwe

Hosts: *Euplectes hordeaceus*, *E. ardens*, *E. macroura*, *Othyphantes baglafecht stuhlmanni*, *Ploceus baglafecht stuhlmanni*, *P. [Textor] cucullatus*, *P. [Textor] cucullatus graueri*, *P. pelzelni*, *P. velatus*, *P. vitellinus*, *P. xanthops* (= *P. x. camburni*), *Quelea quelea*, *Q. quelea centralis*, *Q. quelea aethiopica*, *Q. erythrops* (Passeriformes: Ploceidae), *Saxicola rubetra* (Passeriformes: Turdidae), *Vidua chalybeata*, *V. chalybeata amauropteryx* (Passeriformes: Viduidae), *Streptopelia vinacea* (Columbiformes: Columbidae)

***Coboydaia* (*Coboydaia*) *nigra* (Fain)**

Boydaia nigra Fain, 1955b: 695; 1956a: 44; 1956c: 658; 1959: 33; 1962: 266; 1963a: 168, 1963c: 58, 1963d: 179; Fain & Aitken, 1968: 81; Pence 1973a: 365, 1973c: 888

Boydaia (Coboydaia) nigra Fain, 1955b: 695; 1971: 101; Fain & Goff, 1980: 506; Fain, Herin & Puylaert, 1977: 393

Boydaia (Coboydaia) nigra nigra: Fain & Hyland 1975: 207

Boydaia nigra icteri Fain & Hyland, 1970: 38

Ereynetes crassipes Berlese & Trouessart, 1889: 141; Fain, 1957: 253

Boydaia crassipes (Berlese et Trouessart, 1889): Domrow 1969: 386 (Australia): *Riccardoella crassipes*: Thor, 1933: 66

Boydaia sturni, sensu Porter & Strandtmann, 1952 not *Speleognathus sturni* Boyd, 1948; Fain, 1958a: 179

Coboydaia nigra (Fain): Skoracki, 2018: 430

Type locality: Rwanda

Distribution: Belgium, Botswana, Burundi, Cameroon, Guinea, Kazakhstan, Mexico, Russia, Rwanda, South Africa, Trinidad & Tobago, Turkmenistan, Ukraine, USA (Hawaii)

Hosts: *Icterus galbula*, *I. spurius* (Passeriformes: Icteridae), *Motacilla capensis*, *M. flava* (Passeriformes: Motacillidae), *Carduelis carduelis*, *Carpodacus erythrinus*, *Euphonia violacea*, *Fringilla coelebs*, *F. montifringilla*, *Haemorrhous mexicanus*, *Serinus sulphuratus shelleyi*, *S. citrinelloides frontalis*, *S. mozambicus barbatus*, *S. [Poliospiza] burtoni tanganyicae*, *Serinus [Poliospiza] gularis* (Passeriformes: Fringillidae), *Emberiza aureola*, *E. citrinella*, *E. pusilla*, *E. rustica*, *E. rutila*, *E. spodocephala*, *E. tristrami*, *Spizella passerina* (Passeriformes: Emberizidae), *Passer ammodendri*, *P. domesticus*, *P. griseus*, *P. hispaniolensis*, *P. montanus* (Passeriformes: Passeridae), *Tanagra violacea* (Passeriformes: Thraupidae), *Oenanthe isabellina* (Passeriformes: Turdidae), *Lalage tricolor* (Passeriformes: Campophagidae)

***Coboydaia (Coboydaia) nigra motacillae* (Fain)**

Boydaia nigra motacillae Fain, 1969c: 375

Coboydaia nigra motacillae Fain: Zabludovskaya, 2002: 93

Type locality: Nyakibanda, Butare (= Astrida)(Rwanda), Busumbura (Burundi)

Distribution: Belgium, Burundi, Rwanda, Russia, South Africa

Hosts: *Anthus trivialis*, *Motacilla aguimp vidua*, *M. alba*, *M. capensis*, *M. flava* (Passeriformes: Motacillidae), *Acrocephalus arundinaceus*, *A. s. scirpaceus* (Passeriformes: Acrocephalidae)

***Coboydaia (Coboydaia) sturnellae* (Clark)**

Boydaia sturnellae Clark, 1960: 104

Boydaia (Coboydaia) sturnellae: Fain, 1971a: 112

Type locality: Laurel, Maryland

Distribution: USA

Host: *Sturnella magna* (Passeriformes: Icteridae)

Tribe **Trispeleognathini** Fain

Trispeleognathini Fain, 1985a: 144

Type genus: *Trispeleognathus* Fain, 1958

Genus ***Astrida*** Fain

Astrida Fain, 1955b: 696

Type species: *Astrida caprimulgi* Fain, 1955

Subgenus ***Astrida*** Fain

Astrida Fain, 1955b: 696

Type species: *Astrida caprimulgi* Fain, 1955

Astrida (Astrida) caprimulgi Fain

Astrida caprimulgi Fain, 1955b: 696; 1956a: 33; 1956c: 646, 1962a: 9, 1963c: 62; Pence, 1973b: 879, 1973c: 886; Skoracki et al., 2018: 403

Type locality: Muheri nr. Astrida (= Butare)(Rwanda)

Distribution: Malaysia, Rwanda, USA

Hosts: *Anthrostromus carolinensis*, *Scotornis fossii welwitschi* (Caprimulgiformes: Caprimulgidae), *Bubo africanus*, *Glaucidium perlatum*, *Otus senegalensis*, *O. spilocephalus vulpes* (Strigiformes: Strigidae)

Astrida (Astrida) onychognathi Fain

Astrida onychognathi Fain, 1964c: 37

Type locality: Butare (= Astrida)

Distribution: Rwanda

Host: *Onychognathus walleri elgonensis* (Passeriformes: Sturnidae)

Subgenus ***Cerylonyssus*** Fain et Aitken

Cerylonyssus Fain & Aitken, 1970: 326

Type species: *Astrida (Cerylonyssus) chlorocerylei* Fain et Aitken, 1970

Astrida (Cerylonyssus) chlorocerylei Fain et Aitken

Astrida (Cerylonyssus) chlorocerylei Fain & Aitken, 1970: 327

Type locality: Sapucajuba, IPEAN, Belém

Distribution: Brazil

Host: *Chloroceryle aenea* (Coraciiformes: Alcedinidae, Cerylinae)

Genus ***Aureliania*** Fain

Aureliania Fain, 1958a: 177 (subgenus)

Aureliania Fain, 1970b: 321 (genus)

Type species: *Boydaia aureliani* Fain, 1955

Aureliania aureliani (Fain)

Boydaia aureliani Fain, 1955b: 694; 1956a: 36

Boydaia (Aureliania) aureliani Fain: Fain, 1958a: 177

Neoboydaia (Aureliania) aureliani (Fain): Fain, 1963: 61, 1963d: 181, 1963c: 52; Domrow, 1969: 389.

Aureliania aureliani (Fain): Fain 1962a: 9, 1985a: 146; Domrow 1975: 18, 1991: 1289; Skoracki et al., 2018: 404

Type locality: Butare (= Astrida)(Rwanda)

Distribution: Australia, Belgium, Rwanda

Hosts: *Tyto alba alba*, *T. alba affinis* (Strigiformes: Tytonidae)

***Aureliania longipilis* (Rosas Costa)**

Speleognathus longipilis Rosas Costa, 1955: 79

Boydaia (Aureliania) longipilis (Rosas Costa): Fain, 1958a: 179

Neoboydaia (Aureliania) longipilis (Rosas Costa): Fain, 1963c: 61

Aureliania longipilis (Rosas Costa):

Type locality: Peia. de Buenos-Aires

Distribution: Argentina

Host: *Guira guira* (Cuculiformes: Cuculidae)

Genus ***Meropiboydaia*** Fain

Meropiboydaia Fain, 1985a: 145

Type species: *Boydaia merops* Fain, 1955

***Meropiboydaia merops* (Fain)**

Boydaia merops Fain, 1955b: 694; 1956a: 41, 1956d: 30

Aureliania merops, Fain 1958b: 177

Neoboydaia (Aureliania) merops: Fain, 1963c: 61

Neoboydaia merops (Fain): Domrow, 1966: 210, 1969: 389

Meropiboydaia merops (Fain): Fain, 1985a: 146; Domrow, 1991: 1294

Type locality: Astrida (= Butare), Rwanda

Distribution: Australia, Rwanda

Hosts: *Merops apiaster*, *M. ornatus* (Coraciiformes: Meropidae)

Genus ***Metaboydaia*** Fain

Metaboydaia Fain, 1962: 7; 1985a: 149

Type species: *Speleognathus poffei* Fain, 1955

***Metaboydaia poffei* (Fain)**

Speleognathus poffei Fain, 1955b: 695; 1956a: 23

Speleognathus (Neospeleognathus) poffei: Fain, 1958a: 178

Neoboydaia (Metaboydaia) poffei: Fain 1962a: 7

Trispeleognathus (Neospeleognathus) poffei: Fain, 1963c: 24

Metaboydaia poffeii Fain, 1985a: 149

Type locality: Akanyaru, Astrida (= Butare)

Distribution: Rwanda

Hosts: *Scopus umbretta* (Pelecaniformes: Scopidae), *Coracias caudatus caudatus* (Coraciiformes: Coraciidae)

Genus ***Neastrida*** Fain

Neastrida Fain, 1962a: 9

Type species: *Astrida parrae* Fain, 1956

Neastrida parrae (Fain)

Astrida parrae Fain, 1956e: 113

Astrida (*Neastrida*) *parrae*: Fain, 1962a: 9, 1963c: 26

Neastrida parrae: Fain 1985a: 148.

Type locality: Butare (Rwanda)

Distribution: Rwanda, South Africa

Host: *Actophilornis africanus* (Charadriiformes: Jacanidae)

Genus ***Neoboydaia*** Fain

Boydaia (*Neoboydaia*) Fain, 1958a: 177 (subgenus)

Neoboydaia Fain, 1961b: 162, 1962a: 7, 1963c: 52

Type species: *Boydaia philomachi* Fain, 1956

Neoboydaia colymbiformi Clark

Neoboydaia colymbiformi Clark, 1964: 158; Domrow, 1969: 189; Pence, 1973a: 364, 1975: 18; Fain, 1985a: 148

Type locality: California

Distribution: USA (California, Louisiana)

Hosts: *Podiceps* [*Colymbus*] *nigricollis*, *P. ruficollis*, *Podilymbus podiceps* (Podicipediformes: Podicipedidae)

Neoboydia galachrysiae Fain

Neoboydia galachrysiae Fain, 1961b: 129; 1985a: 148; Skoracki et al., 2018: 409

Neoboydaia (*Neoboydaia*) *galachrysiae*: Fain, 1963c: 19; 1964 : 137

Type locality: Kasongo (Maniema Prov.)

Distribution: Democratic Republic of the Congo

Hosts: *Glareola* [*Galachrysia*] *cinerea*, *G. nuchalis* (Aves, Glareolidae)

Neoboydaia philomachi (Fain)

Boydaia philomachi Fain, 1956a: 41; 1956d: 27; 1962e: 300

Boydaia (*Neoboydaia*) *philomachi* Fain, 1958a: 177, 1962a: 7, 1964b: 141

Neoboydaia (*Neoboydaia*) *philomachi*: Fain, 1962a: 7, 1963c: 18, 1964b: 141; Domrow, 1965: 43

Neoboydaia philomachi eroliae Fain et Hyland, 1970: 42, 1975: 204; Zabłudovskaya, 1998: 48

Neoboydaia philomachi: Clark, 1964: 16, fig. 2; Domrow, 1965: 43, 1969: 388; Fain & Aitken 1968: 84; Pence 1973a: 364, 1973c: 884, 885, 891; Fain, 1985a: 148; 1985b: 254

Neoboydaia philomachi thalasseus Fain & Hyland 1975: 204

Type locality: Butare (= Astrida), Rwanda

Distribution: Australia, Russia, Rwanda, USA

Hosts: *Actitis macularius*, *Arenaria interpres*, *Gallinago gallinago*, *Limnodromus griseus*, *L. scolopaceus*, *Limosa lapponica*, *Calidris* [*Philomachus*] *pugnax*, *C. melanotos*, *C. minutilla*, *Tringa flavipes*, *T. melanoleuca*, *T. glareola*, *T. solitaria* (Charadriiformes: Scolopacidae), *Sterna hirundo*, *Thalasseus maximus* (Charadriiformes: Laridae, Sterninae)

Genus ***Ophthalmognathus*** Dubinin

Ophthalmognathus Dubinin, 1957: 66

Neospeleognathus Fain, 1958a: 178 (subgenus of *Speleognathus*); 1985a: 147 (syn.)

Type species of *Ophthalmognathus*: *Ophthalmognathus dogieli* Dubinin, 1957

Type species of *Neospeleognathus*: *Speleognathus schoutedeni* Fain, 1955

Ophthalmognathus schoutedeni (Fain)

Speleognathus schoutedeni Fain, 1955b: 695; 1956b: 18; 1962e: 301

Speleognathus (*Neospeleognathus*) *schoutedeni*: Fain, 1958a: 178

Ophthalmognathus dogieli Dubinin, 1957: 68 – Russia, syn. by Domrow, 1969: 392

Neoboydaia (*Neospeleognathus*) *schoutedeni*: Fain, 1962 : 7; 1963c: 62, 1963d: 23

Trispeleognathus (*Neospeleognathus*) *schoutedeni*: Fain, 1963c: 23

Ophthalmognathus schoutedeni (Fain): Domrow, 1969: 392; 1991: 1295; Fain & Goff, 1980: 506; Fain, 1985a: 147; Halliday, 1998: 50; Skoracki et al., 2018: 418

Type locality: Butare (= Astrida)

Distribution: Australia, Rwanda, Russia

Hosts: *Ardea cinerea*, *Ardeola idae*, *Nycticorax caledonicus*, *N. nycticorax* (Pelecaniformes: Ardeidae)

Ophthalmognathus tenorioae Fain et Goff

Ophthalmognathus tenorioae Fain & Goff, 1980: 506; Goff, 1983: 167; Fain, 1985a: 147

Type locality: Oahu I., Honolulu, Campbell Estate Road

Distribution: Rwanda, USA (Hawaii, Oahu I.)

Hosts: *Nycticorax nycticorax*, *N. n. hoactli* (Pelecaniformes: Ardeidae)

Genus ***Phoenicopteriella*** Fain

Phoenicopteriella Fain, 1970b: 323

Type species: *Phoenicopteriella mirabilis* Fain, 1970

***Phoenicopteriella mirabilis* Fain**

Phoenicopteriella mirabilis Fain, 1970b: 323; 1985a: 152

Type locality: North Africa

Distribution: North Africa

Host: *Phoenicopterus ruber* (Phoenicopteriformes: Phoenicopteridae)

***Phoenicopteriella womersleyi* (Fain)**

Speleognathus womersleyi Fain, 1955b: 695; 1956a: 21; Clark, 1958: 84

Trispeleognathus womersleyi: Fain 1958b: 178, 1962a: 9; Fain & Hyland 1975: 205; Kaneko, Matsudaira & Prince Masahito, 1978: 147

Trispeleognathus (Trispeleognathus) womersleyi: Fain, 1963c: 23

Ophthalmognathus womersleyi: Domrow, 1969: 390; Spicer, 1977: 498

Phoenicopteriella womersleyi (Fain): Fain, 1985a: 152, 1985b: 254; Skoracki et al., 2018: 412

Type locality: Butare (= Astrida)(Rwanda)

Distribution: Japan, Rwanda, USA

Hosts: *Authya affinis*, *Anas acuta*, *A. clypeata*, *A. discors*, *A. strepera*, *Dendrocygna viduata*, *Sarkidiornis melanotus* (Anseriformes: Anatidae)

Genus ***Picinyssus* Fain**

Picinyssus Fain, 1969c: 369

Type species: *Picinyssus buccanodon* Fain, 1969

***Picinyssus buccanodon* Fain**

Picinyssus buccanodon Fain, 1969c: 370; 1985a: 151

Type locality: Butahiro and Kamahia (Nord Kivu)

Distribution: DR Congo

Host: *Buccanodon duchaillui* (Piciformes: Lybiidae)

Genus ***Psittaboydaia* Fain**

Psittaboydaia Fain, 1985a: 145

Trichoglossiella Fain, 1985a: 145

Type species of *Psittaboydaia*: *Neoboydaia psittaculae* Fain, 1962

Type species of *Trichoglossiella*: *Aureliania trichoglossi* Fain, 1970

***Psittaboydaia amazona* (Fain)**

Trispeleognathus (Neospeleognathus) amazona Fain, 1972: 90 (in Fain & Lukoschus, 1972)

Psittaboydaia (*P.*) *amazona* (Fain): Fain, 1985a: 145

Type locality: Meerzorg

Distribution: Suriname

Host: *Amazona amazonica* (Psittaciformes: Psittacidae)

***Psittaboydaia psittaculae* (Fain)**

Neoboydaia psittaculae Fain, 1962: 7; 1962 : 318; Domrow, 1969: 388

Neoboydaia (*Neoboydaia*) *psittaculae* Fain, 1963c: 19

Psittaboydaia (*Psittaboydaia*) *psittaculae* (Fain): Fain, 1985a: 147; Skoracki et al., 2018: 415

Type locality: Central Africa

Distribution: Australia, Central Africa

Hosts: *Agapornis roseicollis*, *Trichoglossus moluccanus*, *Psitteuteles versicolor*, *Psittacula krammeri* (Psittaciformes: Psittaculidae)

***Psittaboydaia trichoglossi* (Fain)**

Aureliania trichoglossi Fain, 1970b: 321

Psittaboydaia (*Trichoglossiella*) *trichoglossi* (Fain): Fain, 1985a: 145

Type locality: Anvers Zoo

Distribution: New Guinea

Host: *Trichoglossus haematod forsteni* (Psittaciformes: Psittaculidae)

Genus *Pterniboydaia* Fain

Pterniboydaia Fain, 1985a: 146

Type species: *Boydaia pternistis* Fain, 1955

***Pterniboydaia pternistis* (Fain)**

Boydaia pternistis Fain, 1955a: 145, 1956c: 646

Aureliania pternistis (Fain): Fain, 1963 : 373

Neoboydaia pternistis (Fain): Fain, 1963c: 21; Kaneko, Kadosaka & Toshioka, 1977: 163

Neoboydaia (*Aureliania*) *pternistis* (Fain): Fain, 1963c: 61

Pterniboydaia pternistis (Fain): Fain, 1985a: 146; Skoracki et al., 2018: 416

Type locality: Astrida (= Butare) (Rwanda)

Distribution: Belgium, Japan, Rwanda, Zambia

Hosts: *Bambusicola thoracica*, *Pternistis afer*, *P. swainsoni*, *Perdix p. perdix* (Galliformes: Phasianidae)

Genus *Ralliboydaia* Fain

Neoboydaia (*Ralliboydaia*) Fain, 1962b: 365 (subgenus)

Ralliboydaia Fain: Fain, 1985a: 151 (genus); Fain, 1963: 52 is synonymizing *Ralliboydaia* with *Neoboydaia*.

Type species: *Neoboydaia* (*Ralliboydaia*) *latiralli* Fain, 1962

Ralliboydaia coccyzae* (Pence)Astrida coccyzae* Pence, 1973a: 366*Neoboydaia* (*Ralliboydaia*)*Ralliboydaia coccyzae* (Pence): Fain, 1985a: 151

Type locality: Mandeville, La.

Distribution: USA (Louisiana)

Host: *Coccyzus americanus* (Cuculiformes: Cuculidae)***Ralliboydaia latiralli* (Fain)***Neoboydaia* (*Ralliboydaia*) *latiralli* Fain, 1962b: 365*Neoboydaia* (*Neoboydaia*) *latiralli* Fain, 1963c: 20*Ralliboydaia latiralli* (Fain): Fain, 1985a: 151

Type locality: Brazil

Distribution: Brazil

Host: *Latirallus melanophaius oenops* (Ralliformes: Rallidae)***Ralliboydaia porphyronis* (Domrow)***Speleognathopsis porphyronis* Domrow, 1965: 44; 1969: 393*Ralliboydaia porphyronis* (Domrow): Fain, 1985a: 151

Type locality: Samford, S. E. Queensland

Distribution: Australia (Queensland)

Host: *Porphyrio melanotus* (Gruiformes: Rallidae)**Genus *Speleognathopsis* Cooreman***Speleognathopsis* Cooreman, 1954: 428Type species: *Speleognathopsis galli* Cooreman, 1954**Subgenus *Speleognathopsis* Cooreman***Speleognathopsis* Cooreman, 1954: 428Type species: *Speleognathopsis galli* Cooreman, 1954***Speleognathopsis* (*S.*) *accipitris* (Domrow)***Ophthalmognathus accipitris* Domrow, 1969: 390; Fain, 1985a: 146*Speleognathopsis accipitris* (Domrow): Domrow, 1991: 1301

Type locality: Kowanyama

Distribution: Australia

Host: *Accipiter fasciatus* (Falconiformes: Accipitridae)***Speleognathopsis* (*S.*) *benoitii* Fain [see syn. of *wai* and *charadricola* in Domrow, 1969: 393]]***Speleognathopsis benoitii* Fain, 1955b: 696; 1956a: 29; 1962 : 9; 1963c: 25; 1985a: 150; Domrow, 1966: 210; 1969: 393; 1991: 1301; McDaniel, 1967: 94

Speleognathopsis wai Fain, Vercammen-Grandjean & Wagner 1966: 115. Type locality: Bloemhof, Transvaal, South Africa (syn. by Domrow, 1969: 393)

Type locality: Butare (= Astrida), Rwanda

Distribution: Australia, Rwanda, USA (Texas)

Hosts: *Charadrius melanops*, *Erythrogonyx cinctus*, *Lobibyx miles*, *Pluvialis squatarola*, *Vanellus* [*Hemiparra*] *crassirostris*, *V. senegallus* (Charadriiformes: Charadriidae)

***Speleognathopsis (S.) charadricola* Fain**

Speleognathopsis charadricola Fain, 1964c: 35; 1985a: 150

Type locality: Zoo Anvers

Distribution: Central Africa

Host: *Charadrius (Leucopoliis) pecuarius* (Charadriiformes: Charadriidae)

***Speleognathopsis (S.) galli* Cooreman**

Speleognathopsis galli Cooreman, 1954: 426; Fain, 1963 : 53; 1963c: 62; 1985a: 149; Domrow, 1969: 392; Talbot, 1969: 582; Faccini, 1981: 135; Panda et al., 1987: 507

Type locality: Astrida (= Butare), Rwanda

Distribution: Brazil, India, Papua New Guinea, Rwanda

Hosts: *Gallus gallus domesticus* (Galliformes: Phasianidae), *Numida meleagris intermedia* (Galliformes: Numididae)

Subgenus ***Speleomyotis* Fain**

Speleomyotis Fain, 1970: 513.

Type species: *Speleognathopsis bastini* Fain, 1958

***Speleognathopsis (Speleomyotis) bastini* Fain**

Speleognathopsis bastini Fain, 1958b: 342

Speleognathopsis (Speleomyotis) bastini Fain: Fain, 1966: 108; 1970c: 513

Speleognathopsis (Speleomyotis) bastini bastini Fain: Fain & Lukoschus, 1971c: 285

Type locality: Belgium

Distribution: Belgium, Japan, Suriname

Hosts: *Eptesicus fuscus*, *E. melanopterus*, *Myotis myotis*, *M. nigricans* (Chiroptera: Vespertilionidae)

***Speleognathopsis (Speleomyotis) bastini didelphis* Fain et Aitken**

Speleognathopsis bastini didelphis Fain & Aitken, 1969: 41

Type locality: Jandiai, Caratateua, Bragança (Pará)

Distribution: Brazil

Host: *Didelphis marsupialis* (Didelphimorphia: Didelphidae)

***Speleognathopsis (Speleomyotis) molossus* Fain et Lukoschus**

Speleognathopsis (Speleomyotis) molossus Fain & Lukoschus, 1971c: 285

Type locality: Paramaribo

Distribution: Suriname

Hosts: *Cynomops planirostris*, *Molossus ater*, *M. molossus* (Chiroptera: Molossidae)

Genus ***Trispeleognathus*** Fain

Speleognathus (*Trispeleognathus*) Fain, 1958a: 178

Trispeleognathus Fain: 1962: 7

Type species: *Speleognathus striatus* Crossley, 1952

Trispeleognathus euricoi Amaral

Trispeleognathus euricoi Amaral, 1965: 31

Ophthalmognathus euricoi (Amaral): Domrow, 1969: 391

Trispeleognathus (*Trispeleognathus*) *euricoi*: Amaral, 1968: 124; Fain & Aitken, 1969: 43

Type locality: Itaporanga (Estado de São Paulo)

Distribution: Brazil

Hosts: *Leptotila verreauxi*, *Nothura m. maculosa* (Columbiformes: Columbidae)

Trispeleognathus striatus (Crossley)

Speleognathus striatus Crossley, 1952: 385; Fain, 1955b: 695, 1956b: 18,

Boydaiia striatus: Womersley, 1953: 82; Cooreman, 1954: 426; Fain, 1955 : 695; 1962 : 300

Speleognathus (*Trispeleognathus*) *striatus*: Fain 1958a: 178

Ophthalmognathus striatus: Domrow 1969: 389; Pence & Casto, 1976: 466

Trispeleognathus (*Trispeleognathus*) *striatus*: Fain, 1963c: 22; Amaral 1963: 91; Fain & Aitken, 1969: 43, 1970: 328

Trispeleognathus striatus: Fain 1962a: 9, 1985a: 149; Amaral 1963: 91; Fain & Hyland, 1970: 42; Skoracki et al., 2018: 420

Type locality: Garza Co., Lubbock Co., Texas

Distribution: Brazil, Mexico, Rwanda, Trinidad & Tobago, USA,

Hosts: *Columba livia domestica*, *Columbigallina passerina*, *Geotrygon montana*, *Leptotila verreauxi*, *Streptopelia s. semitorquata* (Columbiformes: Columbidae)

Tribe ***Speleochirini*** Fain

Speleochirini Fain, 1985a: 144

Type genus: *Speleochir* Fain, 1966

Genus ***Hipposideroptes*** Fain

Hipposideroptes Fain, 1970c: 514

Type species: *Hipposideroptes kimuenzae* Fain, 1970

Hipposideroptes kimuenzae Fain

Hipposideroptes kimuenzae Fain, 1970c: 514

Type locality: Kimuenza

Distribution: DR Congo

Host: *Hipposideros commersoni gigas* (Chiroptera: Hipposideridae)

***Hipposideroptes saccopteryx* Fain et Lukoschus**

Hipposideroptes saccopteryx Fain & Lukoschus, 1971c: 289

Type locality: Lelydorp

Distribution: Suriname

Hosts: *Saccopteryx bilineata*, *S. leptura* (Chiroptera: Emballonuridae)

Genus *Neospeleochir* Fain

Speleochir (*Neospeleochir*) Fain, 1970c: 514

Neospeleochir Fain:

Type species: *Boydaia duboisi* Fain, 1955

***Neospeleochir duboisi* (Fain)**

Boydaia Duboisi Fain, 1955b: 691

Boydaia (Aureliania) duboisi Fain: Fain, 1958a: 176

Speleochir duboisi Fain: Fain, 1966: 108

Speleochir (Neospeleochir) duboisi Fain: Fain, 1970c : 514

Neospeleochir duboisi Fain: Fain, 1970c: 520

Type locality: Astrida (= Butare)

Distribution: Rwanda

Host: *Nycteris* sp. (Chiroptera: Nycteridae)

Genus *Neospeleognathopsis* Fain

Speleognathopsis (Neospeleognathopsis): Fain, 1958a: 177

Neospeleognathopsis Fain: Fain, 1962 : 10

Type species: *Speleognathopsis chiropteri* Fain, 1955

Subgenus *Neospeleognathopsis* Fain

Neospeleognathopsis Fain, 1958a: 177

Type species: *Speleognathopsis chiropteri* Fain, 1955

***Neospeleognathopsis (N.) chiropteri* (Fain)**

Speleognathopsis chiropteri Fain, 1955b: 692; 1956a: 31

Neospeleognathopsis (N.) chiropteri (Fain): Fain, 1966: 108; 1970c: 513

Type locality: Astrida (Butare)(Rwanda)

Distribution: D.R.Congo, Egypt, Rwanda

Hosts: *Eidolon helvum*, *Epomophorus labiatus minor*, *Rousettus aegyptiacus*, *R. aegyptiacus leachi* (Chiroptera: Pteropodidae)

Subgenus ***Pteropignathus*** Fain et Lukoschus

Pteropignathus Fain & Lukoschus, 1979: 58

Type species: *Neospeleognathopsis (Pteropignathus) pteropus* Fain et Lukoschus, 1979

Neospeleognathopsis (Pteropignathus) pteropus (Fain et Lukoschus)

Neospeleognathopsis (Pteropignathus) pteropus Fain & Lukoschus, 1979: 58

Pteropignathus pteropus (Fain et Lukoschus):

Type locality: Brooking Springs

Distribution: Australia

Host: *Pteropus scapulatus* (Chiroptera: Pteropodidae)

Genus ***Speleochir*** Fain

Speleochir Fain, 1966: 103

Type species: *Speleochir aitkeni* Fain, 1966

Speleochir aitkeni Fain

Speleochir aitkeni Fain, 1966: 107

Speleochir (S.) *aitkeni* Fain: Fain, 1970c: 517

Type locality: Aripo Cave, Northern Range

Distribution: Trinidad (W.I.)

Host: *Anoura g. geoffroyi* (Chiroptera: Phyllostomatidae)

Speleochir barbulata Fain et Aitken

Speleochir (Speleochir) barbulata Fain & Aitken, 1970: 334

Type locality: APEG Forest, IPEAN, Belém

Distribution: Brazil

Host: Chiroptera indet.

Speleochir brasiliensis Fain et Aitken

Speleochir brasiliensis Fain & Aitken, 1969: 39

Type locality: Mucambo Forest, IPEAN, Brazil

Distribution: Brazil

Hosts: *Artibeus jamaicensis*, *Vampyrodes caraccioli* (Chiroptera: Phyllostomatidae)

Speleochir phyllostomi (Clark)

Neospeleognathopsis phyllostomi Clark, 1967: 241

Speleochir phyllostomi Clark: Fain & Aitken, 1969: 39

Type locality: Colombia

Distribution: Colombia

Host: *Phyllostomus hastatus* (Chiroptera: Phyllostomatidae)

Genus ***Speleochiroides*** Fain

Speleochiroides Fain, 1985a: 146

Type species: *Speleochir carollia* Fain et Liukoschus, 1971

Speleochiroides carollia (Fain et Lukoschus)

Speleochir carollia Fain & Lukoschus, 1971: 293

Speleochiroides carollia (Fain et Lukoschus): Fain, 1985a: 146

Type locality: Lelydorp

Distribution: Suriname

Host: *Carollia perspicillata* (Chiroptera: Phyllostommatidae)

Tribe **Paraspeleognathopsini** Fain

Paraspeleognathopsini Fain, 1985a: 145

Type genus: *Paraspeleognathopsis* Fain, 1958

Genus ***Paraspeleognathopsis*** Fain

Speleognathopsis (*Paraspeleognathopsis*) Fain, 1958a: 177

Paraspeleognathopsis Fain: Fain, 1970c: 510 (genus). According to Domrow (1997), *Paraspeleognathopsis* Fain, 1958 = *Speleorodens* Fain, 1962 = *Speleomys* Fain, 1971

Type species: *Speleognathopsis bakeri* Fain, 1955

Paraspeleognathopsis bakeri (Fain)

Speleognathopsis bakeri Fain, 1955b: 148; 1955a: 695; 1956a: 26; 1956d: 159

Speleognathopsis (*Paraspeleognathopsis*) *bakeri* Fain: Fain, 1958a: 177

Paraspeleognathopsis bakeri (Fain): Domrow, 1967: 775; 1991: 1296

Paraspeleognathopsis (*P.*) *bakeri* (Fain): Fain & Lukoschus, 1968: 85; Beron, 1973: 189

Type locality: Butare (= Astrida), Rwanda

Distribution: Australia, Belgium, Bulgaria, Holland, Japan, Korea, Rwanda, Spain

Hosts: *Apodemus agrarius coreae*, *A. speciosus*, *Rattus natalensis* (sub *Mastomys coucha ugandae*), *Melomys cervinipes*, *Sylvaemus flavicollis*, *S. sylvaticus*, *S. sylvaticus calipides* (Rodentia: Muridae)

Paraspeleognathopsis exaeta Domrow

Paraspeleognathopsis exaeta Domrow, 1991: 1298

Type locality: S.E. New South Wales, Bondo State Forest

Distribution: Australia

Host: *Petaurus breviceps* (Diprotodontia: Petauridae)

Paraspeleognathopsis galagoensis (Fain)

Speleognathopsis galagoensis Fain, 1956a: 32; 1956: 167

Paraspeleognathopsis (P.) galagoensis Fain, 1963c: 64

Type locality: Akanyaru

Distribution: Rwanda

Host: *Galago senegalensis moholi* (Primates: Galagonidae)

***Paraspeleognathopsis graphiuri* Fain**

Paraspeleognathopsis graphiuri Fain, 1970c: 510

Type locality: Butare (= Astrida)

Distribution: Rwanda

Host: *Graphiurus (Claviglis) microtis* (Rodentia: Gliridae)

Genus ***Speleomys*** Fain [acc. to Domrow (1975, 2007) syn. of *Paraspeleognathopsis* Fain, 1958]

Speleomys Fain, 1970c: 513

Type species: *Speleognathopsis galliardi* Fain, 1955

***Speleomys galliardi* (Fain)**

Speleognathopsis galliardi Fain, 1955b: 149; 1956a: 26; 1956: 163

Speleognathus galliardi Fain, 1956: 163

Speleomys galliardi (Fain): 1970c: 513

Type locality: Kansi and Butare (= Astrida)

Distribution: Rwanda

Hosts: *Arvicanthis abyssinicus*, *Gerbilliscus boehmi* (Rodentia: Muridae)

***Speleomys neotropicalis* (Fain et Aitken)**

Paraspeleognathopsis (Speleorodens) neotropicalis Fain & Aitken, 1969: 37

Speleomys neotropicalis (Fain et Aitken): Fain, 1970c: 515

Type locality: Jandiai, Caratateua, Bragança (Pará)

Distribution: Brazil

Host: *Zygodontomys lasiurus fuscinus* (Rodentia: Cricetidae, Sigmodontinae)

Genus ***Speleorodens*** Fain [acc. to Domrow (1975, 2007) syn. of *Paraspeleognathopsis* Fain, 1958]

Speleorodens Fain, 1962: 10

Paraspeleognathopsis (Speleorodens) Fain, 1963c: 55

Type species: *Speleognathopsis strandtmanni* Fain, 1956

***Speleorodens cricetidarum* (Clark)**

Paraspeleognathopsis cricetidarum Clark, 1967: 240

Paraspeleognathopsis (Speleorodens) cricetidarum: Fain & Aitken, 1969: 36

Type locality: Panama

Distribution: Brazil, Panama, Trinidad

Hosts: *Oryzomys talamancae*, *O. laticeps velutinus*, *Zygodontomys cherriei*, *Heteromys desmarestianus*, *Neracomys guianae* (Rodentia: Cricetidae)

***Speleorodens derricki* (Womersley)**

Boydaia derricki Womersley, 1954: 65; Domrow & Smith, 1956: 203

Astrida derricki (Womersley): Fain, 1956: 167

Speleognathopsis derricki (Womersley): Domrow, 1961: 376

Paraspeleognathopsis (Speleorodens) derricki: Fain, 1963: 64

Speleomys derricki (Womersley):

Paraspeleognathopsis derricki (Womersley): Domrow, 1967: 775

Speleorodens derricki (Womersley): Fain, 1971c: 516

Type locality: Mt. Glorious, S.E. Queensland

Distribution: Australia

Hosts: *Hydromys chrysogaster*, *Mus musculus*, *Rattus assimilis*, *R. conatus*, *R. fuscipes* (Rodentia: Muridae)

***Speleorodens michigensis* (Ford)**

Speleognathopsis michigensis Ford, 1962: 104

Paraspeleognathopsis (Speleorodens) clethrionomys Fain & Lukoschus, 1968: 86 – Holland,
ex *Myodes [Clethrionomys] glareolus*

Speleorodens michigensis (Ford): OConnor, 1978: 124

Type locality: Ingham County, Michigan

Distribution: Holland, USA

Hosts: *Microtus agrestis*, *M. pennsylvanicus*, *Myodes [Clethrionomys] gapperi*, *Myodes [C.] glareolus* (Rodentia: Arvicolidae)

***Speleorodens neotropicalis* (Fain et Aitken)**

Paraspeleognathopsis (Speleorodens) neotropicalis Fain & Aitken, 1969: 37

Type locality: Jandiai, Caratateua, Bragança (Pará), Brazil

Distribution: Brazil

Host: *Zygodontomys lasiurus fuscinus* (Rodentia: Cricetidae)

***Speleorodens ruandae* Fain**

Speleorodens ruandae Fain, 1962b: 367

Type locality: Butare (= Astrida)

Distribution: Rwanda

Host: «dans une termitière», accidental

***Speleorodens strandtmanni* (Fain)**

Speleognathopsis strandtmanni Fain, 1955b: 696; 1956c: 645

Speleognathopsis sciuri Clark, 1960: syn. by Fain, 1961a: 160

Speleognathopsis (*Neospeleognathopsis*) *strandtmanni* (Fain): Fain, 1961a: 160

Paraspeleognathopsis (*Speleorodens*) *strandtmanni* (Fain): Fain, 1963c: 64

Speleorodens strandtmanni (Fain): Fain, 1970c: 518

Type locality: Astrida (= Butare), Rwanda

Distribution: Belgium, DR Congo, Panama, Rwanda, USA

Hosts: *Sciurus granatensis*, *S. vulgaris*, *S. carolinensis*, *Funisciurus carruthersi*, *Tamiscus emini* (Rodentia: Sciuridae)

Tribe **Speleognathini** Fain

Speleognathini Fain, 1985a: 144

Type genus: *Speleognathus* Womersley, 1936

Genus **Domrownetes** OConnor

Domrownetes OConnor, 1978: 128

Type species: *Paraspeleognathopsis exul* Domrow, 1975

Domrownetes exul (Domrow)

Paraspeleognathopsis exul Domrow, 1975: 97; 1991: 1298

Domrownetes exul (Domrow): OConnor, 1978: 97

Type locality: Mount Sabine, Otway Ranges, Victoria

Distribution: Australia (Victoria)

Host: *Antechinus stuartii* (Dasyuromorphia: Dasyuridae)

Genus **Speleognathus** Womersley

Speleognathus Womersley, 1936: 313

Type species: *Speleognathus australis* Womersley, 1936

Speleognathus australis Womersley

Speleognathus australis Womersley, 1936: 313; 1954; Domrow, 1961: 374; 1991: 1302; Fain, 1955b: 695; 1956c: 662; 1961; 1962 : 9; 1963c: 54; 1971 : 515; Drummond & Medley, 1964; Southcott, 1986: 201; Halliday, 1998: 51

Speleognathus (*Speleognathus*) *australis* Womersley: Fain, 1958a: 178

Speleognathus bovis Fain, 1955; 1956d: 156; 1956b: 18; 1956c: 662 (syn. de *S. australis*) -

Type locality: Astrida (= Butare, Rwanda), ex Artiodactyla: Bovidae

Type locality: on water surface (not “in moss”, see Fain, 1956c: 662, at Glen Osmond, Adelaide, South Australia

Distribution: Australia, USA

Hosts: *Bos taurus*, *Bison bison* (Artiodactyla: Bovidae)

Subfamilia **Lawrencarinae** Fain

Lawrencarinae Fain, 1957: 251

Type genus: *Lawrencarus* Fain, 1957

Tribe **Lawrencarini** Fain

Lawrencarini Fain

Type genus: *Lawrencarus* Fain, 1957

Genus ***Batracarus*** Fain

Batracarus Fain, 1961a: 254

Type species: *Batracarus hylaranae* Fain, 1961

Batracarus hylaranae Fain

Batracarus hylaranae Fain, 1961a: 254; 1962b: 58

Type locality: Bogor (= Buitenzorg), Java

Distribution: Indonesia (Java)

Host: *Hylarana erythraea* (Anura: Ranidae)

Genus ***Lawrencarus*** Fain

Lawrencarus Fain, 1957: 250

Type species: *Riccardoella eweri* Lawrence, 1952

Subgenus ***Cernycarus*** de la Cruz

Cernycarus de la Cruz, 1971: 2

Type species: *Lawrencarus (Cernycarus) hollandiae* de la Cruz, 1971

Lawrencarus (Cernycarus) hollandiae de la Cruz

Lawrencarus (Cernycarus) hollandiae de la Cruz, 1971: 2

Type locality: Culandrillo

Distribution: Cuba

Host: *Eleutherodactylus* sp. (Anura: Ceratophryidae)

Subgenus ***Lawrencarus*** Fain

Lawrencarus Fain, 1957: 250

Type species: *Riccardoella eweri* Lawrence, 1952

Lawrencarus (L.) angelae (Womersley)

Boydaia angelae Womersley, 1953: 83; Fain, 1955b: 694; 1956c: 647

Lawrencarus angelae (Womersley): Fain, 1961a: 246; Domrow, 1961: 379; 1991: 1293;
Fain, 1962 :

Type locality: South Australia

Distribution: Australia

Hosts: *Limnodynastes tasmaniensis*, *L. peronii* (Anura: Ceratophryidae, Cyclorhinae)

Lawrencarus (L.) americanus* FainLawrencarus americanus* Fain, 1961a: 250

Type locality: Florida

Distribution: USA (Florida)

Host: *Hyla septentrionalis* (Anura: Hylidae)***Lawrencarus (L.) brasiliensis* Fain***Lawrencarus brasiliensis* Fain, 1961a: 252; 1962: 52

Type locality: Alto da Serra, nr. Cubatan, State of São Paulo

Distribution: Brazil

Hosts: *Cyclorhampus asper*, *Eleutherodactylus guntheri* (Anura: Ceratophryidae, Ceratophryinae)***Lawrencarus (L.) brasiliensis desantisi* Mauri et Bischoff***Lawrencarus brasiliensis desantisi* Mauri & Bischoff, 1984: 338

Type locality: Averias, Prov. De Santiago del Estero

Distribution: Argentina

Hosts: *Bufo arenarum*, *B. paracnemis* (Anura: Bufonidae)***Lawrencarus (L.) ceratobatrachi* Fain***Lawrencarus ceratobatrachi* Fain, 1961a: 251; 1962 : 47

Type locality: Buin

Distribution: Bougainville I. (Papua New Guinea)

Host: *Ceratobatrachus guntheri* (Anura: Ranidae)***Lawrencarus (L.) domrowi* Fain***Lawrencarus domrowi* Fain, 1961a: 253; 1962 : 54; Domrow, 1991: 1293

Type locality: Dinner Ck, Nord Queensland

Distribution: Australia (Queensland)

Host: frog (Anura)

Lawrencarus (L.) eweri* (Lawrence)Riccardoella eweri* Lawrence, 1952: 747; Lufty, 1960: 183*Boydaia angelae*: Fain, 1956: 647*Lawrencarus eweri*: Fain, 1957: 250; 1958a: 183; 1961: 253; 1962: 20***Lawrencarus (L.) eweri cubanus* de la Cruz***Lawrencarus eweri cubanus* de la Cruz, 1971: 3

Type locality: Soledad

Distribution: Cuba

Host: *Bufo peltacephalus* (Anura: Bufonidae)

Lawrencarus (L.) eweri dahuricus Zabludovskaya*Lawrencarus eweri dahuricus* Zabludovskaya, 1992: 66

Type locality: Chitinskaya oblast, Borzyanskiy Rayon, Borzya River, loc. Arshan

Distribution: Russia

Host: *Bufo raddei* (Anura: Bufonidae)***Lawrencarus (L.) eweri eweri*** (Lawrence)*Lawrencarus eweri eweri* (Lawrence): Fain, 1962 : 21

Type locality: Natal Museum, Pietermaritzburg, South Africa

Distribution: DR Congo, Egypt, Italy, Morocco, Rwanda, South Africa

Hosts: *Bufo regularis*, *B. mauretanicus*, *B. carens*, *B. kisoloensis*, *B. superciliaris*, *Bufotes v. viridis* (Anura: Bufonidae)***Lawrencarus (L.) eweri thailandiae*** Fain*Lawrencarus eweri thailandiae* Fain, 1961a: 252; 1962: 24

Type locality: Pak Shong

Distribution: Thailand

Host: *Bufo melanostictus* (Anura: Bufonidae)***Lawrencarus (L.) hylae*** Fain*Lawrencarus hylae* Fain, 1961a: 247; Domrow, 1974: 18; 1991: 1293*Lawrencarus (L.) hylae hylae* Fain*Lawrencarus hylae hylae*: Fain, 1962: 33

Type locality: Queensland

Distribution: Australia, North America, Brazil

Hosts: *Hyla coerulea*, *H. hayi*, *H. nasuta* (Anura: Hylidae)***Lawrencarus (L.) hylae afrixali*** Fain*Lawrencarus afrixali* Fain, 1961a: 251*Lawrencarus hylae afrixali*: Fain, 1962: 37

Type locality: Virunga Nat. Park (formerly Albert N.P.)

Distribution: DR Congo

Hosts: *Afrixalus fulvovittatus leptosomus*, *Hyperolius castaneus*, *Phlyctimanus verrucosus* (Anura: Hyperoliidae)***Lawrencarus hylae intermedius*** Fain*Lawrencarus hylae intermedius* Fain, 1962: 39; Mauri & Bischoff, 1984: 338

Type locality: Alto da Serra, Cubatan, Sao Paulo Prov. (Brazil)

Distribution: Argentina, Brazil

Hosts: *Hyla c. cinerea*, *H. hayii* (Anura: Hylidae), *Pleurodema* sp. (Anura: Leptodactylidae)

Lawrencarus hylae brevicipitis* FainLawrencarus hylae brevicipitis* Fain, 1962: 41

Type locality: Amari, Usumbara (DR Congo)

Distribution: DR Congo, India

Hosts: *Probreviceps macrodactylus*, *Ramanella triangularis* (Anura: Microhylidae, Microhylinae, Brevicipitinae)***Lawrencarus lechriodi* Fain***Lawrencarus lechriodi* Fain, 1962: 31

Type locality: New Guinea

Distribution: New Guinea

Host: *Lechriodus platyceps* (Anura: Ceratophryidae, Cyclorantinae)**Tribe *Xenopacarini* Fain, Baker et Tinsley***Xenopacarini* Fain, Baker & Tinsley, 1969: 341Type genus: *Xenopacarus* Fain, Baker et Tinsley, 1969**Genus *Xenopacarus* Fain, Baker et Tinsley***Xenopacarus* Fain, Baker & Tinsley, 1969: 341Type species: *Xenopacarus africanus* Fain, Baker et Tinsley, 1969.***Xenopacarus africanus* Fain, Baker et Tinsley***Xenopacarus africanus* Fain, Baker & Tinsley, 1969: 341

Type locality: South Africa (imported into Leeds, England)

Distribution: South Africa

Host: *Xenopus laevis* (Amphibia: Pipidae, Xenopodinae)***Xenopacarus kenyensis* Fain et Tinsley***Xenopacarus kenyensis* Fain & Tinsley, 1975: 854

Type locality: Kiambu, Nairobi; Marsabit

Distribution: Kenya

Host: *Xenopus borealis* (Amphibia: Pipidae, Xenopodinae)***Xenopacarus kivuensis* Fain et Tinsley***Xenopacarus kivuensis* Fain & Tinsley, 1993: 513

Type locality: Ebisha, about 8 km from R.St. Irangi, Kivu Prov.

Distribution: D.R. Congo

Host: *Xenopus* sp. group *fraseri* (Amphibia: Pipidae, Xenopodinae)

Index of Ereynetidae

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

- accipitris*, *Ophthalmognathus* 193
accipitris, *Speleognathopsis* 193
africanus, *Xenopacarus* 205
afrixali, *Lawrencarus* 204
afrixali, *Lawrencarus hylae* 204
agelaii, *Boydaia* 177
agilis, *Ereynetes* 162
agilis, *Micrereunetes* 162
agilis, *Prottereunetes* 162
aitkeni, *Speleochir* 196
amandavae, *Boydaia* 184
amandavae, *Coboydaia* 185
amazona, *Trispeleognathus* 192
amazona, *Psittaboydaia* 191
americana, *Boydaia* 177
americana, *Boydaia spatulata* 177
americanus, *Lawrencarus* 202
amplectorus, *Ereynetes* 162
amplectorus, *Ereynetoides* 161
Anereynetes 165
angelae, *Boydaia* 202
angelae, *Lawrencarus* 202
Apodiboydaia 185
aratingae, *Boydaia* 177
arcuatus, *Ereynetes* 162
arcuatus, *Micrereunetes* 162
armatus, *Acarus* 172
armatus, *Ereynetes* 172
Astrida 187
aurantipes, *Ereynetes* 170
aureliani, *Aureliania* 188
aureliani, *Boydaia (Aureliania)* 188
aureliani, *Boydaia* 188
aureliani, *Neoboydaia* 188
Aureliania 187
Austreynetes 161
Austrereynetini 161
australis, *Speleognathus* 201
bakeri, *Paraspeleognathopsis* 197
bakeri, *Speleognathopsis* 197
barbulata, *Speleochir* 196
bastini, *Speleognathopsis (Speleomyotis)* 194
Batracarus 202
beauchampi, *Ereynetes* 166
benoiti, *Speleognathopsis* 193
berlesei, *Ereynetes* 163
bipilosus, *Ereynetes* 166
biscutatus, *Ereynetes* 166
biscutatus, *Micrereunetes* 166
boernerii, *Prottereunetes* 173
boharti, *Ereynetes* 162
bolitophilus, *Ereynetes* 162
botswanensis, *Ereynetes* 166
bovis, *Speleognathus* 201
Boydaia 177
Boydaiini 177
bradornis, *Boydaia* 178
brasiliensis, *Lawrencarus* 203
brasiliensis, *Speleochir* 196
brevicipidis, *Lawrencarus hylae* 205
brevipes, *Ereynetes* 170
brevipes, *Micrereunetes (Prottereunetes)* 170
brevipes, *Prottereunetes* 169
buccanodon, *Picinyssus* 191
buphagi, *Boydaia* 178
canadensis, *Riccardoella* 175
caprimulgi, *Astrida* 187
carollia, *Speleochiroides* 198
carollia, *Speleochir* 198
cavernarum, *Ereynetes* 163
cecropis, *Boydaia* 178
centralis, *Ereynetes* 163
centralis, *Micrereunetes galeatus* var. 163

- centralis*, *Neoereunetes* 163
ceratobatrachi, *Lawrencarus* 203
Cernycarus 202
Cerylonyssus 187
charadricola, *Speleognathopsis* 193
chiropteri, *Neospeleognathopsis* 195
chiropteri, *Speleognathopsis* 195
chlorocerylei, *Astrida* 187
cinnyris, *Boydaia* 178
citrinensis, *Hydranetes* 172
clarki, *Boydaia* 178
clavata, *Boydaia* 185
clavata, *Coboydaia* 185
clavifrons, *Eupodes* 173
clavifrons, *Prottereunetes* 173
clethrionomys, *Paraspeleognathopsis* 200
Coboydaia 184
coccyzae, *Astrida* 193
coccyzae, *Ralliboydaia* 193
coenobitus, *Ereynetes* 166
colini, *Boydaia* 178
colymbiformi, *Boydaia* 188
colymbiformi, *Neoboydaia* 189
concolor, *Ereynetes* 178
concolor, *Hypopus* 178
concolor, *Riccardoella* (sp. inquir.) 178
copridis, *Ereynetes* 166
corticalis, *Ereynetes* 167
corticalis, *Micrereunetes* 167
crassipes, *Boydaia* 186
crassipes, *Ereynetes* 186
cricetidarum, *Paraspeleognathopsis* 199
cricetidarum, *Speleorodens* 199
crozeti, *Prottereunetes* 173
cruciatus, *Ereynetes* 167
cruciatus, *Micrereunetes* 167
cubanus, *Lawrencarus eweri* 202
cyanerpes, *Boydaia* 179
dahuricus, *Lawrencarus eweri* 204
davisi, *Ereynetes* 167
derricki, *Astrida* 200
derricki, *Boydaia* 200
derricki, *Paraspeleognathopsis* 200
derricki, *Speleognathopsis* 200
derricki, *Speleomys* 200
derricki, *Speleorodens* 200
desantisi, *Lawrencarus brasiliensis* 203
didelphis, *Speleognathopsis bastini* 194
dogieli, *Ophthalmognathus* 190
domrowi, *Lawrencarus* 203
Domrownetes 201
duboisii, *Boydaia* 195
duboisii, *Boydaia* (*Aureliania*) 195
duboisii, *Speleochir* (*Neospeleochir*) 195
duboisii, *Neospeleochir* 195
Ereunetes 161
Ereynetes 161
Ereynetidae 161
Ereynetinae 161
Ereynetini 161
Ereynetoides 162
eroliae, *Neoboydaia philomachi* 190
euricoi, *Ophthalmognathus* 195
euricoi, *Trispeleognathus* 195
eweri, *Lawrencarus* 203
eweri, *Riccardoella* 203
exaeta, *Paraspeleognathopsis* 198
excellens, *Ereynetes* 163
excellens, *Micrereunetes* 163
exilis, *Ereynetes* 170
exul, *Domrownetes* 201
exul, *Paraspeleognathopsis* 201
faini, *Boidaia* 179
faini, *Ereynetes* 163
faini, *Ereynetoides* 163
faini, *Hanriccardoella* 172
falconis, *Boydaia* 179
formicarii, *Boydaia* 179
galagoensis, *Paraspeleognathopsis* 199
galagoensis, *Speleognathopsis* 199
galachrysiacae, *Neoboydaia* 189
galeatus, *Ereynetes* 163

- galeatus*, *Micrereunetes* 163
galli*, *Speleognathopsis 194
galliardi, *Speleognathopsis* 199
galliardi, *Speleognathus* 199
galliardi*, *Speleomys 199
gandensis, *Ereynetes* 164
graphiuri, *Paraspeleognathopsis* 199
Gymnereynetes 170
Hanriccardoella 172
helicis, *Acarus* 176 (?)
Hipposideroptes 195
hirundoae, *Boydaia* 179
***hollandsae*, *Lawrencarus* (*Cernycarus*)**
202
Huntereynetes 171
husatoi, *Ereynetes* 164
Hydranetes 172
hydrophilus, *Ereynetes* 167
hylae, *Lawrencarus hylae* 204
hylaranae, *Batracarus* 202
icteri, *Boydaia nigra* 186
indica*, *Boydaia 180
inermis, *Ereynetes* 167
insularis, *Ereynetes* 167
intermedius*, *Lawrencarus hylae 204
jenynsi, *Riccardoella* 175
jordani*, *Boydaia 180
junci, *Acarus* 172
junci, *Ereynetes* 172
kenyensis, *Xenopacarus* 204
kimuenzae*, *Hipposideroptes 194
kivuensis, *Xenopacarus* 205
lapidarius, *Ereynetes* (see in *Eupodidae*)
laticoxa*, *Boydaia 180
latiralli, *Neoboydaia* 193
latiralli, *Ralliboydaia* 193
Lawrencarinae 202
Lawrencarini 202
Lawrencarus 202
lebruni, *Pseudotydeus* 174
lechriodi, *Lawrencarus* 205
limacum, *Acarus* 163, 176
limacum, *Ereunetes* 176
limacum, *Ereynetes* 176
limacum, *Micrereynetes* 176
limacum*, *Riccardoella 176
locustellae*, *Boydaia 180
longipilis*, *Aureliania 188
longipilis, *Speleognathus* 188
loxiae*, *Boydaia 180
luriei, *Ereynetes* 164
lyratus, *Ereynetes* 168
macquariensis, *Ereynetes* 171
malayi*, *Ereynetes 164
malayi, *Ereynetoides* 164
maluri*, *Boydaia 181
mammilaris, *Acarus* 172
mammilaris, *Ereynetes* 172
maudae*, *Prottereunetes 173
maudensis*, *Austrereynetes 161
meliponae*, *Ereynetes 168
Meropiboydaia 188
merops, *Boydaia* 188
merops, *Boydaia* (*Aureliania*) 188
merops*, *Meropiboydaia 188
merops, *Neoboydaia* 188
Metaboydaia 188
michigensis, *Speleognathopsis* 200
michigensis*, *Speleorodens 200
Micrereunetes 161
Micrereynetes 161
Microereunetidae 161
mimi*, *Boydaia 181
ministralis*, *Ereynetes 163, 168
ministralis, *Tydeus* 168
minutus*, *Ereynetes 168
minutus*, *Prottereunetes 174
mirabilis*, *Phoenicopteriella 191
***molossus*, *Speleognathopsis* (*Speleomyotis*)**
195
morenoi, *Boydaia* 181
myzomelae, *Boydaia* 181

- Neastrida* 189
nectarinia, Boydaia 181
Neoboydaia 189
Neoeureunetes 162
Neospeleochir 185
Neospeleognathus 189
Neospeleognathopsis 195
neotropicalis, Paraspeleognathopsis 200
neotropicalis, Speleomys 199
nigra nigra, Boydaia (Coboydaia) 186
nigra, Boydaia (Coboydaia) 186
nigra, Coboydaia 185
norvegicus, Ereybetes 172
norvegicus, Opsereybetes 172
novaezealandiae, Riccardoella 175
onychognathi, Astrida 187
Ophthalmognathus 190
Opsereybetes 171
ornatus, Ereybetes 168
oudemansi, Riccardoella 175
padi, Acarus 171
padi, Ereybetes 171
papuanus, Ereybetes 169
Paraspeleognathopsini 198
Paraspeleognathopsis 198
parrae, Astrida 189
parrae, Neastrida 189
paulinae, Protoreunetes 174
pegazzanoae, Ereybetes 164
perforates, Protoreunetes 174
perplexus, Pseudotydeus 174
pheucticola, Boydaia 181
philippinensis, Ereybetes 164
philomachi, Boydaia (Neoboydaia) 190
philomachi, Boydaia 190
philomachi, Neoboydaia 190
philydori, Boydaia laticoxa 180
Phoenicopterella 191
phyllostomi, Speleochir 196
Picinyssus 191
podargi, Boydaia 181
poffei, Metaboydaia 189
poffei, Neoboydaia 188
poffei, Speleognathus 188
poffei, Trichoboydaia 189
polymitus, Ereybetes 163
polymitus, Micrereunetes 163
polymitus, Tydeus 192
porphyronis, Ralliboydaia 193
porphyronis, Speleognathopsis 193
potator, Ereybetes 169
propescutulis, Ereybetes 171
Proricardoella 174
Protoreunetes 173
proximus, Ereybetes 169
psalidoprocnei, Boydaia 182
Pseudotydeinae 161
Pseudotydeus 174
Psittaboydaia 191
psittaci, Boydaia 182
psittaculae, Neoboydaia 192
psittaculae, Psittaboydaia 192
Pterniboydaia 192
pternistis, Aureliania 192
pternistis, Boydaia 192
pternistis, Neoboydaia 192
pternistis, Pterniboydaia 192
Pteropignathus 197
pteropus, Neospeleognathopsis (Pteropignathus) 197
punctatus, Ereybetes 164
pycnonoti, Boydaia 182
quiscali, Boydaia 182
Ralliboydaia 192
reaumuri, Riccardoella 175
Riccardoella 174
robustus, Ereybetes 172
robustus, Opsereybetes 172
rosickyi, Boydaia 182
ruandae, Speleorodens 200
sabinensis, Ereybetes 169
saccolpteryx, Hipposideroptes 195

- saxicolae*, *Boydaia* 182
saxicolae, *Speleognathus*
schoutedeni, *Neoboydaia* 190
schoutedeni*, *Ophthalmognathus 190
schoutedeni, *Speleognathus* 190
schoutedeni, *Trispeleognathus* 190
sciuri, *Speleognathopsis* 201
scutulis*, *Ereynetes 171
scutulis, *Ereynetoides* 171
septentrionalis*, *Ereynetes 165
septentrionalis, *Micrereunetes galeatus* var. 165
simplex*, *Ereynetes 169
simplexus*, *Ereynetes 172
sinensis, *Boydaia* 183
sinescutulis, *Ereynetes* 171
sittardiensis, *Ereynetes* 170
spatulata*, *Boydaia 183
Speleochir 196
Speleochirini 195
Speleochiroides 197
Speleognathidae 161, 177
Speleognathinae 177
Speleognathini 201
Speleognathopsis 193
Speleognathus 201
Speleomyotis 194
Speleomys 199
Speleorodens 199
strandtmanni, *Paraspeleognathopsis* 200
strandtmanni, *Speleognathopsis* 201
strandtmanni, *Speleognathopsis* (Neospeleognathopsis) 201
strandtmanni*, *Speleorodens 201
striatellus, *Eupodes* 173
striatellus*, *Prottereunetes 174
striatus, *Boydaia* 195
striatus, *Ophthalmognathus* 195
striatus, *Speleognathus* 195
striatus*, *Trispeleognathus 195
sturnellae, *Boydaia* (*Coboydaia*) 186
sturnellae, *Coboydaia* 186
sturni*, *Boydaia 183
sturni, *Speleognathus* 183
synallaxis*, *Boydaia 183
tadakii*, *Ereynetes 165
tenorioae*, *Ophthalmognathus 190
thailandiae*, *Lawrencarus eweri 204
thalasseus, *Neoboydaia philomachi* 190
tokyoensis*, *Riccardoella 176
trichoglossi, *Aureliania* 192
trichoglossi*, *Psittaboydaia 192
Trichoglossiella 191
triodopsis*, *Riccardoella 175
Trispeleognathini 186
Trispeleognathus 195
trochila, *Boydaia* 185
***trochila*, *Coboydaia* (*Apodiboydaia*)** 185
tropisternus*, *Hydranetes 173
tshernogoriensis*, *Ereynetes 165
tuberculatus*, *Ereynetes (see in Eupodidae)
turdi, *Boydaia* 180
tyrannis*, *Boydaia 184
ueckermanni*, *Ereynetes 165
upelbensis*, *Ereynetes 170
villosus*, *Prottereunetes 174
wai, *Speleognathopsis* 194
watsoni*, *Ereynetes 165
watsoni, *Ereynetoides* 165
willmanni*, *Boydaia 184
womersleyi, *Ophthalmognathus* 191
womersleyi*, *Phoenicopteriella 191
womersleyi, *Speleognathus* 191
womersleyi, *Trispeleognathus* 191
Xenopacarini 205
Xenopacarus 205
zadielensis*, *Riccardoella 176
zosteropis*, *Boydaia 184
zumpti*, *Boydaia 184

Distribution of Ereynetidae

EUROPE

- Armenia** (Arutyunyan, 1972, 1981) – *Boydaia sturni*, *Riccardoella limacum*,
Austria (Willmann, 1951; Franz, 1954; Sixl, 1972) – *Ereynetes papilosus*, *E. biscutatus*,
Paraspeleognathopsis bakeri, *Riccardoella oudemansi*
Belgium (Cooreman, 1947; Fain, 1958b, 1962, 1963c; Fain & Bafort, 1973; Fain & Lukoschus, 1968: 85; Fain & van Goethem, 1986; André & Ducarme, 2003; André et al., 2004) – *Ereynetes aurantipes*, *E. gandensis*, *E. hydrophilus*, *Aureliania aureliani*, *Boydaia loxiae*, *B. nigra motacillae*, *B. n. nigra*, *B. sturni*, *Hanriccardoella faini*, *Paraspeleognathopsis bakeri*, *P. strandtmanni*, *Pseudotydeus lebruni*, *Pterniboydaia pternistis*, *Riccardoella oudemansi*, *R. limacum*
Bulgaria (Turk, 1970; Beron, 1973) – *Ereynetes* (*Anereynetes*) *simplex*, *Paraspeleognathopsis bakeri*, *Riccardoella limacum*, *R. oudemansi*
Croatia (Willmann, 1941; Pernek et al., 2008) – *Ereynetes scutulius*, *Riccardoella oudemansi*
Czech Rep. (Willmann, 1936; Zacharda, 1978; André et al., 2004;) – *Ereynetes* (*Anereynetes*) *simplex*, *Riccardoella oudemansi*, *R. zadielensis*
Yan Mayen I. (Macfadyen, 1954) – *Ereynetes* [*Protereunetes*] *brevipes*
Finland (Penttinen, Viiri & Moser, 2013) – *Ereynetes propescutulius*
France (contin.) (Megnin, 1889; Fain & van Goethem, 1986; Morand & Deguzan, 1986) – *Riccardoella reaumuri*, *R. limacum*
Germany (Willmann, 1952, 1953; Fritsch, 1962; Schmidt, 1987) – *Boydaia willmanni*, *Ereynetes bipilosus*, *E. insularis*, *E. lyratus*
Great Britain (Turk & Phillips, 1945; White, 1959; Baker, 1970a, b; Fain & van Goethem, 1986; Graham et al., 1993) – *Riccardoella limacum*, *R. oudemansi*,
Greece (Haralabidis et al., 1983) – *Riccardoella limacum*
Holland (Oudemans, 1912, 1928; Thor, 1932; Van Eynhoven, 1955; Fain & Lukoschus, 1968: 85; OConnor, 1978; Mienis, 1984; Fain & van Goethem, 1986) – *Boydaia saxicolae*, *Ereynetes sittardiensis*, *Paraspeleognathopsis bakeri*, *Riccardoella oudemansi*, *Speleorodens michigensis* (= *clethrionomys*)
Hungary (András & Jenő, 2004; Varga & Kontschán, 2004) – *Riccardoella oudemansi*
Iceland (Sellnick, 1940) – *Riccardoella oudemansi*
Ireland (Fauna Europaea) – 1 sp.
Italy (contin.) (Berlese, 1923; Bottazzi, 1950; Fain, 1964b, 2004) – *Ereynetes arcuatus*, *E. biscutatus*, *E. brevipipes*, *E. centralis*, *E. inermis*, *E. ministralis*, *E. pegazzanoae*, *E. septentrionalis*, *Protereunetes brevipipes*, *Riccardoella limacum*, *R. oudemansi*
Sicily (Berlese, 1923) – *Ereynetes agilis*, *E. galeatus*
N. Macedonia (Haralabidis et al., 1983) – *Riccardoella limacum*

Norway (Thor, 1932) – *Ereynetes norvegicus*

Poland (Karbarz-Wiktorowicz, 1973; Dończyk, 2006) – *Ereynetes* (*Opsereynetes*) *norvegicus*, *Ereynetes* (*Gymnereynetes*), *Riccardoella limacum*

Russia (all, continent.) (Dubinin, 1957; Zabludovskaya, 1985, 1986, 1990a, 1990b, 1991, 1992, 1998, 2012) – *Boydaia sturni*, *B. bradornis*, *B. jordani*, *B. psalidoprocnei*, *Coboydaia nigra nigra*, *C. nigra motacillae*, *Neoboydaia phylomachi eroliae*, *Ophthalmognathus schoutedeni* (= *dogieli*), *Phoenicopteriella womersleyi*, *Lawrencarus eweri dahuricus*

Crimea (Zabludovskaya, 1994) – *Ereynetes* (*E.*) *g. galeatus*, *E. (G.) exilis*, *E. (Gymnereynetes) aurantipes*, *E. (E.) tshernogoriensis*

Serbia (Stojnić et al., 2016) – *Riccardoella limacum*, *R. oudemansi*

Slovakia (André et al., 2004; Shoaib & Cagaň, 2004) – *Riccardoella zadielensis*

Spain (cont.) (Mihelčič, 1958; Fain & Lukoschus, 1968: 85) – *Ereynetes* (*Anereynetes*) *corticalis*, *E. (A.) ornatus*, *E. (A.) proximus*, *Paraspeleognathopsis bakeri*

Sweden (Moser et al., 1989) – *Ereynetes propescutulis*

Switzerland (Schweizer, 1922, 1963) – *Ereynetes ministralis*, *Riccardoella limacum*

Turkey (all) (Çobanoğlu, Cilbircioğlu & Zabludovskaya, 2020) – *Ereynetes septentrionalis*

Ukraine (Zabludovskaya, 1994, 1995, 2002, 2005, 2012) – *Boydaia psalidoprocnei*, *Coboydaia nigra*, *Ereynetes* (*E.*) *gandensis*, *E. (E.) tshernogoriensis*, *E. (E.) pegazzanoe*, *E. (E.) punctatus*, *E. (Anereynetes) hydrophilus*, *E. (A.) sittardiensis*, *E. (Gymnereynetes) aurantipes*, *E. (G.) exilis*, *Paraspeleognathopsis bakeri*, *Riccardoella canadensis*

AFRICA

Botswana (Fain, 1959, 1960, 1969; Fain & Camerik, 1994; Skoracki et al., 2018) – *Boydaia spatulata*, *Coboydaia nigra*, *Ereynetes copridis*, *E. botswanensis*

Burundi (Fain, 1963 ; Skoracki et al., 2018) – *Coboydaia clavata*, *C. nigra*

Cameroon (Fain, Herin & Puylaert, 1977; Zabludovskaya, 2002) – *Boydaia hirundoae*, *B. pycnonoti*, *Coboydaia clavata*, *C. nigra*

Chad (Fain, 1963) – *Boydaia falconis*

Congo DR (Fain, 1961a, 1964 ; 1966: 108; 1970b; Fain & Tinsley, 1993; Skoracki et al., 2018) – *Hipposideroptes kimuenzae*, *Neoboydaia galachrysi*, *Neospeleognathopsis chiropteri*, *Xenopacarus kivuensis*

Egypt (Fain, 1963c, 1966: 108; Lufty, 1960; Abdelgayed et al., 2019) – *Ereynetes bolitophilus*, *Lawrencarus eweri eweri*, *Neospeleognathopsis chiropteri*

Ghana (Skoracki et al., 2018) – *Coboydaia clavata*

Guinea (Zabludovskaya, 2002) – *Coboydaia clavata*, *C. nigra*, *Pycnonotus barbatus*

Kenya (Fain & Tinsley, 1975; Skoracki et al., 2018) – *Boydaia pycnonoti*, *Xenopacarus kenyensis*

Rwanda (Cooreman, 1954; Fain, 1955b, 1956a, 1956b, 1956d, 1962, 1963, 1969, 1971, 1972, 1985a, 1985b; Pence & Casto, 1976, Fain & Goff, 1980; Skoracki et al., 2018) – *Astrida caprimulgi*, *Boydaia bradornis*, *B. buphagi*, *B. cecropis*, *B. cinnyris*, *B. duboisii*, *B. falconis*, *B. psalidoprocnei*, *B. saxicolae*, *B. spatulata*, *B. zosteropis*, *B. zumpti*, *Coboydaia*

clavata, *C. nigra*, *Meropiboydaia merops*, *Neastrida poffei*, *Neoboydaia philomachi*, *Ophthalmognathus tenorioae*, *Phoenicopteriella womersleyi*, *Pterniboydaia pternistis*, *Speleorodens strandtmanni*

Senegal (Fain, 1963) – *Coboydaia clavata*

South Africa (Fain, 1956, 1958, 1959, 1963c, 1971; Fain, Baker & Tinsley, 1969; Fain, Herin & Puylaert, 1977; Fain & Camerik, 1994; Ueckermann & Tiedt, 2003; Skoracki et al., 2018) – *Boydaia pycnonoti*, *Ereynetes aplectorus*, *E. bolitophilus*, *E. luriei*, *E. ueckermanni*, *Lawrencarus eweri eweri*, *Coboydaia nigra*, *Neastrida parrae*, *Neoboydaia psittaculæ*, *Riccardoella limacum*, *R. oudemansi*, *Xenopacarus africanus*

Zambia (Fain, 1960, 1963) – *Coboydaia clavata*, *Pterniboydaia pternistis*

Zimbabwe (Skoracki et al., 2018) – *Boydaia pycnonoti*, *Coboydaia clavata*

ASIA

China (Li, Xuan & Fan, 1992;) – *Ereynetes* sp.

India (Fain, 1969; Bhat, Kulkarni & Mishra, 1983; Panda, Mishra & Panda, 1987) – *Boydaia indica*, *Speleognathopsis galli*

Indonesia (Berlese, 1910; Vitzthum, 1932, Fain, 1961, 1963) – *Batracarus hylaranae*, *Coboydaia amandavae* [Java], *Ereynetes cruciatus* [Java], *E. potator* [Sumatra]

Iran (Siahkamari et al., 2020) – *Ereynetes* [*Ereynetoides*] *amplectorus*

Israel and Palestina (Mienis, 1990) – *Riccardoella* sp.

Japan (Berlese, 1923; Kaneko, 1968; Shiba, 1969a, 1971; Kaneko, Kadosaka & Toshioka, 1977; Kaneko, Matsudaira & Prince Masahito, 1978; Uchikawa & Suzuki, 1984; Kadosaka, Kaneko & Asanuma, 1983, 1987; Waki, Hiruta & Shimano, 2018; Waki et al., 2018; Waki & Shimano, 2019; Waki, Shimano & Asami, 2019; Waki, Shimano & Shiba, 2019; Waki et al., 2020) – *Ereynetes cavernarum*, *E. excellens*, *E. (Opsereynetes) norvegicus*, *Speleognathopsis (Speleomyotis) bastini*, *Paraspeleognathopsis bakeri*, *Pterniboydaia pternistis*, *Riccardoella (Prorriccardoella) triodopsis*, *R. tokyoensis*, *Trispeleognathus womersleyi*

Okinawa (Waki et al., 2018) – *Riccardoella reaumuri*

Kazakhstan (Zabludovskaya, 1998) – *Coboydaia nigra*

Kyrgyzstan (Zabludovskaya, 2002) – *Coboydaia nigra motacillae*

Korea (Fain & Lukoschus, 1968; Shiba, 1969b) – *Paraspeleognathopsis bakeri*

Malaysia (Fain, 1963c, Fain & Nadchatram, 1962; Shiba, 1976; McClure, Ratanaworadhan et al., 1973) – *Astrida caprimulgi*, *Boydaia pycnonoti*, *B. spatulata*, *Ereynetes husatoi*, *E. malayi*, *E. tadakii*

New Guinea (Fain, 1962) – *Lawrencarus lechriodi*

Philippines (Corpuz-Raros, 1975) – *Ereynetes philippinensis*, *Ereynetes (Anereynetes) upelbensis*

Turkmenistan (Zabludovskaya, 1998) – *Coboydaia nigra*

Thailand (Fain, 1961a) – *Lawrencarus eweri thailandiae*

NORTH AMERICA

- Canada** (Fain & van Goethem, 1986; Knee, Proctor & Galloway, 2008) – *Boydaia aratingae*, *B. faini*, *B. psalidoprocnei*, *B. sturni*, *Neoboydaia colymbiformi*, *Riccardoella canadensis*,
Mexico (Baker, 1945, Clark, 1960; Fain, 1963c; Fain & Hyland, 1970; Polaco & Mendl, 1988; Vásquez-Rojas & Estrada-Venegas, 2010) – *Boydaia mimi*, *Ereynetes* (*Opsereynetes*) *robustus*, *E. (O.) simplexus*, *E. (Opsereynetes) tuberculatus*, *E. (Anereynetes) sabinensis*, *E. (Ereynetes) amplexor*, *E. (E.) faini*, *Riccardoella oudemansi*, *Trispeleognathus striatus*
USA (Boyd, 1948, 1951; Clark, 1958, 1960, 1964, 1967a, 1967b; Hunter, 1964; McDaniel, 1967; Hunter & Cross, 1968; Kethley, 1971; Pence, 1973a, 1973b, 1973c; Baker & Delfinado, 1974; Pence & Casto, 1976; Spicer, 1977; Fain & Klompen, 1990; Hilario-Pérez & Danel, 2016; Hilario-Pérez & Dowling, 2018) – *Astrida caprimulgi*, *A. coccyzae*, *Boydaia agelaii*, *B. colini*, *B. hirundoae*, *B. mimi*, *B. pheucticola*, *B. psalidoprocnei*, *B. quiscali*, *B. spatulata*, *B. sturnellae*, *B. sturni*, *B. turdi*, *Coboydaia nigra*, *Ereynetes amplexor*, *E. boharti*, *E. davis*, *E. scutulis*; *Hydranetes citrinensis*, *H. tropisternus*; *Neoboydaia philomachi*, *Ophthalmognathus womersleyi*, *Pseudotydeus perplexus*, *Riccardoella* (*Proriccardoella*) *triopsis*, *Riccardoella* (*R.*) *limacum*, *Trispeleognathus striatus*, *Speleognathopsis benoiti*
Hawai Is. (Fain & Goff, 1980) – *Coboydaia nigra*, *Ophthalmognathus tenorioae*,

SOUTH and CENTRAL AMERICA

- Argentina** (Rosas Costa, 1955; Mauri & Bischoff, 1984) – *Aureliania longipilis*, *Lawrencarus brasiliensis desantisi*, *L. hylae intermedius*
Brazil (Amaral, 1963, 1965, 1967; Fain, 1962, 1963; Fain & Aitken, 1969, 1970; Faccini et al., 1981; Flechtmann & Baggio, 1985; Mascarenhas & Brum, 2006; Bernardon et al., 2015; Bernardon, Mascarenhas et al., 2018; Mendoza – Roldan, 2019) – *Boydaia agelaii*, *B. americana*, *B. aratingae*, *B. cyanoerpes*, *B. laticoxa*, *B. psittaci*, *B. quiscali*, *B. synallaxis*, *B. tyrannis*, *Coboydaia trochila*, *Lawrencarus brasiliensis*, *Neoboydaia lateralli*, *Speleochir barbulata*, *S. brasiliensis*, *Speleomys neotropicalis*, *Neospeleognathopsis* (*Speleomyotis*) *bastini* *didelphis*, *Riccardoella limacum*, *Speleognathopsis galli*, *Trispeleognathus euricoi*, *T. striatus*
Cuba (Dusbábek & Černý, 1970; de la Cruz, 1971) – *Boydaia faini*, *B. morenoi*, *B. rosickyi*, *Lawrencarus* (*L.*) *eweri cubanus*, *L. (Cernycarus) hollandiae*
Panama (Clark, 1967a) – *Speleorodens strandtmanni*
Puerto Rico (Hunter & Poe, 1971) – *Ereynetes coenobitus*
Suriname (Fain & Lukoschus, 1971, 1972) – *Boydaia agelaii*, *Hipposideroptes saccopteryx*, *Neospeleognathopsis* (*Speleomyotis*) *bastini* *bastini*, *N. (S.) molossus*, *Speleochiroides carollia*, *Psittaboydaia amazona*
Trinidad and Tobago (Fain & Aitken, 1968) – *Boydaia agelaii*, *B. americana*, *B. hirundoae*, *B. tyrannis*, *Trispeleognathus striatus*

OCEANIA

Australia (continent) (Rainbow, 1906; Domrow, 1960, 1962, 1965, 1966, 1967, 1969, 1975, 1991; OConnor, 1978; Fain & Lukoschus, 1968, 1979; Womersley, 1936, 1953, 1954) – *Aureliania aureliani*, *Boydaia spatulata*, *Domrownetes exul*, *Meropiboydaia merops*, *Neoboydaia philomachi*, *N. psittaculae*, *Paraspeleognathopsis bakeri*, *P. exaeta*, *Speleorodens derricki*, *Pteropignathus pteropi*, *Speleognathopsis benoiti*, *Riccardoella limacum* (probably *R. oudemansi*, see Fain, 2004)

New Zealand (Barker & Ramsay, 1978; Fain & Barker, 2003, 2004) – *Austreynetes maudensis*, *Riccardoella* (*Riccardoella*) *limacum*, *Riccardoella* (*Prorriccardoella*) *novaezealandiae*

Macquarie I. (Fain, 1962d; Luxton, 1990) – *Ereynetes* (*Gymnereynetes*) *macquariensis*

Papua New Guinea (Domrow, 1969; Talbot, 1969; Fain & Van Goethem, 1978) – *Ereynetes* (*Anereynetes*) *papuanus*, *Lawrencarus ceratobatrachi*, *Speleognathopsis galli*

ANTARCTICA

Kerguelen I. (Fain, 1976) - *Ereynetes macquariensis*

Marion I. (Fain, 1976) - *Ereynetes macquariensis*

Signy I. (Strandmann & Tilbrook, 1968) - *Ereynetes macquariensis*

Antarctic Peninsula (Strandmann, 1967; Crooker, 1977; Llano & Gless, 2013) - *Ereynetes macquariensis*, *Protereunetes minutus*, *P. paulinae*

Hosts of Ereynetidae**Mollusca****Gastropoda****Pulmonata**

Fam. Arionidae

Arion ater - *Riccardoella oudemansi*

A. lusitanicus - *Riccardoella oudemansi*

A. rufus - *Riccardoella oudemansi*

Fam. Athoracophoridae

Pseudaneitea schauinslandi - *Austreynetes maudensis*

Athoracophorus bitentaculatus – *Riccardoella limacum*

Athoracophoridae gen. sp. – *Riccardoella* (*Prorriccardoella*) *novaezealandiae*

Fam. Clausiliidae

Tauphaedusa tau – *Riccardoella tokyoensis*

Fam. Bradybaenidae

Acusta despecta sieboldtiana – *Riccardoella* (*Prorriccardoella*) *triodopsis*

Fam. Helicidae

Cepaea nemoralis - *Riccardoella oudemansi*

Helix lucorum - *Riccardoella limacum*

H. pomatia - *Riccardoella limacum*

H. aspersa - *Riccardoella limacum*

Fam. Limacidae

Deroceras reticulatum - *Riccardoella oudemansi*

Limax agrestis - *Riccardoella oudemansi*

L. cinereoniger - *Riccardoella oudemansi*

L. cinereus - *Riccardoella oudemansi*

L. flavus - *Riccardoella oudemansi*

L. maximus - *Riccardoella oudemansi*

L. cinereoniger - *Riccardoella oudemansi*

Monochroma brunneum - *Riccardoella limacum*

Fam. Milacidae

Tandonia budapestensis - *Riccardoella oudemansi*

Fam. Polygiridae

Xolotrema obstructa [*Triodopsis obstructus*] - *Riccardoella* (*Proriccardoella*) *triodopsis*

Fam. Zonitidae

Meledella werneri - *Riccardoella oudemansi*

Oxychilus draparnaudi - *Riccardoella oudemansi*

Phylum **Arthropoda**

Subphylum **Crustacea**

Order **Decapoda**

Infraorder Brachiura

Fam. Coenobitidae

Coenobita clypeatus - *Ereynetes coenobitus*

Insecta

Order **Coleoptera**

Fam. Hydrophilidae

Tropisternus lateralis nimbatus - *Hydranetes citrinensis*

Tropisternus lateralis nimbatus - *Hydranetes tropisternus*

T. striolatus - *Hydranetes tropisternus*

T. quadristriatus - *Hydranetes tropisternus*

Fam. Scarabaeidae

Copris subsidens - *Ereynetes* (*Anereynetes*) *copridis*

C. molossus - *Ereynetes cruciatus*

Metacatharsius sp. - *Ereynetes* (*Anereynetes*) *botswanensis*

Scarabaeidae indet. - *Ereynetes philippinensis*

Order **Hymenoptera**

Fam. Apidae

Melipona scutellaris - *Ereynetes* (*Gymnereynetes*) *meliponae*

Subphylum **Vertebrata**

Class **Amphibia**

Order **Anura**

Fam. Bufonidae

- Bufo arenarum* - *Lawrencarus brasiliensis desantisi*
B. melanostictus - *Lawrencarus eweri thailandiae*
B. regularis - *Lawrencarus eweri eweri*
B. mauretanicus - *Lawrencarus eweri eweri*
B. carens - *Lawrencarus eweri eweri*
B. kisoensis - *Lawrencarus eweri eweri*
B. paracnemis - *Lawrencarus brasiliensis desantisi*
B. peltacephalus - *Lawrencarus eweri cubanus*
B. raddei - *Lawrencarus eweri dahuricus*
B. superciliaris - *Lawrencarus eweri eweri*
Bufotes v. viridis - *Lawrencarus eweri eweri*

Fam. Ceratophryidae

- Cyclorhamphus asper* - *Lawrencarus brasiliensis*
Eleutherodactylus guntheri - *Lawrencarus brasiliensis*
Eleutherodactylus sp. - *Lawrencarus (Cernycarus) hollandiae*
Lechriodus platyceps - *Lawrencarus lechriodi*
Limnodynastes tasmaniensis - *Lawrencarus angelae*
L. peronii - *Lawrencarus angelae*

Fam. Hyperoliidae

- Afrixalus fulvovittatus leptosomus* - *Lawrencarus hylae afrixali*
Hyperolius castaneus - *Lawrencarus hylae afrixali*
Phlyctimanus verrucosus - *Lawrencarus hylae afrixali*

Fam. Hylidae

- Hyla cinerea cinerea* - *Lawrencarus hylae intermedius*
H. coerulea - *Lawrencarus hylae hylae*
H. hayii - *Lawrencarus hylae intermedius*
H. nasuta - *Lawrencarus hylae hylae*
H. septentrionalis - *Lawrencarus americanus*

Fam. Leptodactylidae

- Pleurodema* sp. - *Lawrencarus hylae intermedius*

Fam. Microhylidae

- Probreviceps macrodactylus* - *Lawrencarus hylae brevicipitis*
Ramanella triangularis - *Lawrencarus hylae brevicipitis*

Fam. Pipidae

- Xenopus borealis* - *Xenopacarus kenyensis*
X. laevis - *Xenopacarus africanus*
Xenopus sp. group *fraseri* - *Xenopacarus kivuensis*

Fam. Ranidae

- Hylarana erythraea* - *Batracharus hylaranae*
Ceratobatrachus guntheri - *Lawrencarus ceratobatrachi*

Order Anseriformes

Fam. Anatidae

- Aythya affinis* - *Phoenicopteriella womersleyi*
- Anas acuta* - *Phoenicopteriella womersleyi*
- A. clypeata* - *Phoenicopteriella womersleyi*
- A. discors* - *Phoenicopteriella womersleyi*
- A. strepera* - *Phoenicopteriella womersleyi*
- Dendrocygna viduata* - *Phoenicopteriella womersleyi*
- Sarkidiornis melanotos* - *Phoenicopteriella womersleyi*

Order Caprimulgiformes

Fam. Caprimulgidae

- Antrostomus carolinensis* - *Astrida caprimulgi*
- Scotornis fossii welwitschi* - *Astrida caprimulgi*

Fam. Podargidae

- Podargus strigoides* - *Boydaia podargi*

Order Charadriiformes

Fam. Charadriidae

- Afribyx senegallus* - *Speleognathopsis benoiti*
- Charadrius melanops* - *Speleognathopsis benoiti*
- Ch. pecuarius* - *Speleognathopsis charadricola*
- Erythronyx cinctus* - *Speleognathopsis benoiti*
- Hemiparra crassirostris* - *Speleognathopsis benoiti*
- Lobibyx miles* - *Speleognathopsis benoiti*
- Philomachus pugnax* - *Neoboydaia philomachi*
- Pluvialis squatarola* - *Speleognathopsis benoiti*
- Tringa glareola* - *Neoboydaia philomachi*

Fam. Glareolidae

- Glareola [Galachrysis] cinerea* - *Neoboydaia galachrysiae*
- G. nuchalis* - *Neoboydaia galachrysiae*
- Rhinoptilus africanus* - *Speleognathopsis benoiti* (= wai)

Fam. Jacanidae

- Actophilornis africanus* - *Neastrida parrae*

Fam. Scolopacidae

- Actitis macularius* - *Neoboydaia philomachi*
- Arenaria interpres* - *Neoboydaia philomachi*
- Calidris melanotos* - *Neoboydaia philomachi*
- C. minutilla* - *Neoboydaia philomachi*
- Gallinago gallinago* - *Neoboydaia philomachi*, *Boydaia willmanni*
- Limnodromus griseus* - *Neoboydaia philomachi*
- L. scolopaceus* - *Neoboydaia philomachi*
- Limosa lapponica* - *Neoboydaia philomachi*
- Neoboydaia philomachi* - *Neoboydaia philomachi*

Philomachus pugnax - *Neoboydaia philomachi*

Tringa flavipes - *Neoboydaia philomachi*

T. melanoleuca - *Neoboydaia philomachi*

T. glareola - *Neoboydaia philomachi*

T. solitaria - *Neoboydaia philomachi*

Fam. Laridae

Sterna hirundo - *Neoboydaia philomachi*

Thalasseus maximus - *Neoboydaia philomachi*

Order **Columbiformes**

Fam. Columbidae

Columba livia domestica - *Trispeleognathus striatus*

Columbigallina passerina - *Trispeleognathus striatus*

Geotrygon montana - *Trispeleognathus striatus*

Leptotila verreauxi - *Trispeleognathus striatus*

Streptopelia s. semitorquata - *Trispeleognathus striatus*

S. vinacea - *Coboydaia clavata*

Order **Coraciiformes**

Fam. Coraciidae

Coracias caudatus caudatus - *Metaboydaia poffei*

Fam. Meropidae

Merops apiaster - *Meropiboydaia merops*

M. ornatus - *Meropiboydaia merops*

Order **Cuculiformes**

Fam. Cuculidae

Guira guira - *Carcinopodacarus polymorphus*

Order **Falconiformes**

Fam. Accipitridae

Accipiter fasciatus - *Speleognathopsis accipitris*

Fam. Falconidae

Falco berigora - *Boydaia falconis*

F. cuvieri - *Boydaia falconis*

F. t. tinnunculus - *Boydaia falconis*

Order **Galliformes**

Fam. Odontophoridae

Callipepla squamata - *Boydaia clarki*

Colinus virginianus - *Boydaia colini*

Fam. Phasianidae

Bambusicola thoracica - *Pterniboydaia pternistis*

Gallus gallus domesticus - *Speleognathopsis galli*

Pternistis afer - *Pterniboydaia pternistis*

P. swainsoni - *Pterniboydaia pternistis*

Perdix p. perdix - *Pterniboydaia pternistis*

Fam. Numididae

Numida meleagris intermedia - *Speleognathopsis galli*

Order **Gruiformes**

Fam. Rallidae

Laterallus melanophaius oenops - *Neoboydaia lateralli*

Order **Passeriformes**

Fam. Acrocephalidae

Acrocephalus a. arundinaceus - *Coboydaia nigra*

A. s. scirpaceus - *Coboydaia nigra*

Iduna similis - *Boydaia spatulata*

Fam. Buphagidae

Buphagus africanus - *Boydaia buphagi*

Fam. Campophagidae

Lalage tricolor - *Coboydaia nigra* (sub *Boydaia crassipes*)

Fam. Cardinalidae

Spiza americana - *Boydaia pheucticola*

Fam. Cisticolidae

Schistolais leucopogon reichenowi - *Boydaia spatulata*

Fam. Dendrocolaptidae

Glyphorynchus spirurus - *Boydaia laticoxa*

Fam. Emberizidae

Emberiza aureola - *Coboydaia nigra*

E. citrinella - *Coboydaia nigra*

E. pusilla - *Coboydaia nigra*

E. rustica - *Coboydaia nigra*

E. rutila - *Coboydaia nigra*

E. spodocephala - *Coboydaia nigra*

E. tristrami - *Coboydaia nigra*

Spizella passerina - *Coboydaia nigra*

Fam. Estrildidae

Amandava amandava - *Coboydaia amandavae*

A. subflava - *Coboydaia amandavae*

Erythrura prasina - *Coboydaia amandavae*

Sporaeginthus subflavus - *Coboydaia amandavae*

Fam. Formicariidae

Formicarius analis - *Boydaia formicarii*

F. colma - *Boydaia formicarii*

Fam. Fringillidae

Carduelis c. carduelis - *Coboydaia nigra*

Carpodacus erythrinus - *Coboydaia nigra*

Euphonia violacea - *Coboydaia nigra*

Fringilla coelebs - *Coboydaia nigra*

F. montifringilla - *Coboydaia nigra*
Haemorhous mexicanus - *Coboydaia nigra*
Loxia curvirostra – *Boydaia loxiae*
Passerina cyanea – *Boydaia rosickyi*
Serinus burtoni tanganjicae - *Coboydaia nigra*
S. frontalis - *Coboydaia nigra*
S. [Poliospiza] gularis – *Coboydaia nigra*
S. mozambicus - *Coboydaia nigra*
S. sulphuratus shelleyi - *Coboydaia nigra*

Fam. Furnariidae

Philydor pyrrhodes - *Boydaia laticoxa philydori*
Synallaxis rutilans - *Boydaia synallaxis*
S. gujanensis - *Boydaia synallaxis*
S. erythrothorax - *Boydaia synallaxis*

Fam. Hirundinidae

Cecropis abyssinica unitatis – *Boydaia cecropis*
Hirundo abyssinica – *Boydaia hirundoae*
H. neoxena - *Boydaia hirundoae*
H. rustica - *Boydaia hirundoae*
Hylochelidon ariel - *Boydaia hirundoae*
Progne chalybea - *Boydaia hirundoae*
P. subis - *Boydaia hirundoae*
Psalidoprocne albiceps - *Boydaia psalidoprocnei*
Riparia riparia - *Boydaia psalidoprocnei*
Stelgidopteryx ruficollis - *Boydaia hirundoae*
Tachycineta bicolor - *Boydaia psalidoprocnei*

Fam. Icteridae

Agelaius icterocephalus – *Boydaia agelaii*
A. phoeniceus - *Boydaia agelaii*
A. ruficapillus - *Boydaia agelaii*
Chrysomus ruficapillus - *Boydaia agelaii*
Icterus galbula - *Coboydaia nigra*
I. spurius – *Coboydaia nigra icteri*
Quiscalus quiscula - *Boydaia buphagi*, *B. quiscali*
Q. mexicanus – *Boydaia sturni*
Sturnella magna – *Boydaia buphagi*, *Coboydaia sturnellae*

Fam. Laniidae

Corvinella corvina - *Coboydaia nigra*

Fam. Locustellidae

Locustella luscinioides - *Boydaia locustellae*
Schoenicola brevirostris – *Boydaia zumpti*

Fam. Meliphagidae

Cissomela pectoralis - *Boydaia spatulata*
Myzomela sanguinolenta - *Boydaia myzomelae*
Philemon citreogularis - *Boydaia spatulata*
P. corniculatus - *Boydaia spatulata*

Fam. Mimidae

Mimus gilvus - *Boydaia mimi*
M. polyglottos - *Boydaia mimi*
M. polyglottos orpheus - *Boydaia morenoi*

Fam. Motacillidae

Anthus spinoletta - *Coboydaia nigra*
A. trivialis - *Coboydaia nigra motacillae*
Macronyx croceus - *Boydaia spatulata*
Motacilla aguimp vidua - *Coboydaia nigra motacillae*
M. alba - *Coboydaia nigra motacillae*
M. capensis - *Coboydaia nigra motacillae*
M. flava - *Coboydaia nigra motacillae*

Fam. Muscicapidae

Agricola pallidus griseus - *Boydaia bradornis*
Cercomela tractrac - *Boydaia spatulata*
Erythropygia [Cercotrichos] hartlaubi - *Boydaia spatulata*
Luscinia luscinia - *Boydaia bradornis*
Muscicapa rufigastra - *Boydaia spatulata*
Pogonocichla stellate ruwenzorii - *Boydaia spatulata*
Sheppardia polioptera - *Boydaia spatulata*

Fam. Nectariniidae

Arachnothera l. longirostris - *Ereynetes malayi*
Chalcomitra senegalensis lamperti (= *aequatorialis*) - *Boydaia cinnyris*,

B. nectarinia

Cinnyris cupreus cupreus (= *septentrionalis*) - *Boydaia cinnyris*, *B. nectarinia*
Cyanomitra verticalis viridisplendens - *Boydaia nectarinia*

Fam. Paridae

Melaniparus leucomelas insignis [as *Parus niger insignis*] - *Boydaia spatulata*

Fam. Parulidae

Dendroica cerulea - *Boydaia faini*

Fam. Passeridae

Passer ammodendri - *Coboydaia nigra*
P. domesticus - *Coboydaia nigra*
P. griseus - *Coboydaia nigra nigra*
P. hispaniolensis - *Coboydaia nigra*
P. montanus - *Coboydaia nigra*

Fam. Pipridae

Manacus manacus - *Boydaia tyrannus*

Pipra fasciicauda – *Boydaia tyrannis*

P. iris – *Boydaia tyrannis*

P. pipra – *Boydaia tyrannis*

Fam. Ploceidae

Euplectes hordeaceus – *Coboydaia clavata*

E. ardens – *Coboydaia clavata*

E. macroura – *Coboydaia clavata*

Hypochera amauropteryx – *Coboydaia clavata*

H. chalybeata – *Coboydaia clavata*

Othyphantes baglafecht stuhlmanni – *Coboydaia clavata*

Ploceus baglafecht stuhlmanni – *Coboydaia clavata*

P. [Textor] cucullatus – *Coboydaia clavata*

P. [Textor] cucullatus graueri – *Coboydaia clavata*

P. pelzelni – *Coboydaia clavata*

P. velatus – *Coboydaia clavata*

P. vitellinus – *Coboydaia clavata*

P. xanthops (= *P. x. camburni*) – *Coboydaia clavata*

Quelea quelea – *Coboydaia clavata*

Q. quelea centralis – *Coboydaia clavata*

Q. quelea aethiopica – *Coboydaia clavata*

Q. erythrops – *Coboydaia clavata*

Fam. Pycnonotidae

Bleda syndactyla woosnami – *Boydaia zumpti*

Euryllas latirostris latirostris – *Boydaia zumpti*

Pycnonotus barbatus tricolor – *Boydaia pycnonoti*

P. erythrophthalmus – *Boydaia pycnonoti*

P. jocosus – *Boydaia pycnonoti*

P. goiavier personatus – *Boydaia pycnonoti*

P. leucogenys leucotis – *Boydaia pycnonoti*

P. leucotis – *Boydaia pycnonoti*

P. simplex – *Boydaia pycnonoti*

P. xanthopygus – *Boydaia pycnonoti*

Fam. Sturnidae

Ampeliceps coronatus – *Boydaia sturni*

Acridotheres tristis – *Boydaia indica*, *B. sturni*

Lamprocolius chloropterus – *Boydaia buphagi*, *B. indica*

L. chalybaeus – *Boydaia indica*

Onychognathus walleri elgonensis – *Astrida onychognathi*

Spreo superbus – *Boydaia indica*

Sturnopastor contra – *Boydaia indica*

Sturnus malabaricus – *Boydaia indica*

S. pagodarum – *Boydaia indica*

S. vulgaris - *Boydaia indica*

Fam. Sylviidae

Malurus amabilis - *Boydaia maluri*

M. melanocephalus - *Boydaia maluri*

Fam. Thraupidae

Cyanerpes cyanea - *Boydaia cyanerpes*

Tangara sp. - *Boydaia spatulata*

Tiaris canorus - *Boydaia spatulata*

Fam. Turdidae

Oenanthe isabellina - *Coboydaia nigra*

Saxicola rubetra - *Coboydaia clavata*

Sialia sialis - *Boydaia spatulata*

Turdus migratorius - *Boydaia jordani*

T. pilaris - *Boydaia jordani* (= *turdi*), *B. saxicolae*

Fam. Tyrannidae

Empidonax sp. - *Boydaia synallaxis*

Pyrocephalus rubinua - *Boydaia tyrannus*

Tyrannus tyrannus - *Boydaia tyrannus*

Fam. Tyriridae

Pachyrhamphus [= *Platypsaris*] *aglaiae* - *Boydaia tyrannus*

Fam. Viduidae

Vidua chalybeata - *Coboydaia clavata*

V. chalybeata amauropteryx - *Coboydaia clavata*

Fam. Zosteropidae

Zosterops lateralis - *Boydaia zosteropsis*

Z. senegalensis stuhlmanni (= *scotti*) - *Boydaia zosteropsis*

Order **Pelecaniformes**

Fam. Ardeidae

Ardea cinerea - *Ophthalmognathus schoutedeni* (= *O. dogieli*)

Ardeola idae - *Ophthalmognathus schoutedeni*

Nycticorax caledonicus - *Ophthalmognathus schoutedeni*

N. nycticorax - *Ophthalmognathus schoutedeni*, *O. tenorioae*

N. n. hoactli - *Ophthalmognathus tenorioae*

Fam. Scopidae

Scopus umbretta - *Metaboydaia poffei*

Order **Piciformes**

Fam. Lybiidae

Buccanodon duchaillui - *Picinyssus buccanodon*

Order **Podicipediformes**

Fam. Podicipedidae

Podiceps nigricollis - *Neoboydaia colymbiformi*

P. ruficollis - *Neoboydaia colymbiformi*
Podilymbus podiceps - *Neoboydaia colymbiformi*

Order **Psittaciformes**

Fam. Psittacidae

Amazona amazonica - *Psittaboydaia amazona*
Aratinga jandaya - *Boydaia aratingae*

Fam. Psittaculidae

Agapornis roseicollis - *Psittaboydaia psittaculae*
Psittacula krameri - *Psittaboydaia psittaculae*
Agapornis roseicollis - *Psittaboydaia psittaculae*
Trichoglossus haematod forsteri - *Psittaboydaia trichoglossi*
Trichoglossus moluccanus - *Psittaboydaia psittaculae*

Order **Ralliformes**

Fam. Rallidae

Latirallus melanophaeus oenops - *Ralliboydaia latiralli*
Porphyrio melanotus - *Ralliboydaia porphirionis*

Order **Strigiformes**

Fam. Strigidae

Bubo africanus - *Astrida caprimulgi*
Glaucidium perlatum - *Astrida caprimulgi*
Otus senegalensis - *Astrida caprimulgi*
O. spilocephalus vulpes - *Astrida caprimulgi*

Fam. Tytonidae

Tyto alba affinis - *Aureliana aureliani*
T. alba alba - *Aureliana aureliani*

Class **Mammalia**

Order **Dasiuromorphia**

Fam. Dasyuridae

Antechinus stuartii - *Domrownetes exul*

Order **Diprotodontia**

Fam. Petauridae

Petaurus breviceps - *Paraspeleognathopsis exaeta*

Order **Didelphimorphia**

Fam. Didelphidae

Didelphis marsupialis - *Speleomyotis bastini*

Order **Chiroptera**

Fam. Pteropodidae

Eidolon helvum - *Neospeleognathopsis chiropteri*
Epomophorus labiatus minor - *Neospeleognathopsis chiropteri*
Pteropus scapulatus - *Pteropignathus pteropus*
Rousettus aegyptiacus - *Neospeleognathopsis chiropteri*

R. aegyptiacus leachi - *Neospeleognathopsis chiropteri*

Fam. Hipposideridae

Hipposideros commersoni gigas - *Hipposideroptes kimuenzae*

Fam. Nycteridae

Nycteris sp. - *Neospeleochir duboisi*

Fam. Phyllostomatidae

Anoura g. geoffroy - *Speleochir aitkeni*

Artibeus jamaicensis - *Speleochir brasiliensis*

Carollia perspicillata - *Speleochiroides carollia*

Phyllostomus hastatus - *Speleochir phyllostomi*

Vampyroides carracioli - *Speleochir brasiliensis*

Fam. Rhinolophidae

Rhinolophus cornutus - *Neospeleognathopsis (Speleomyotis) bastini*

Fam. Vespertilionidae

Eptesicus fuscus - *Neospeleognathopsis (Speleomyotis) bastini*

E. melanopterus - *Neospeleognathopsis (Speleomyotis) bastini*

Myotis myotis - *Neospeleognathopsis (Speleomyotis) bastini*

M. nigricans - *Neospeleognathopsis (Speleomyotis) bastini*

Fam. Molossidae

Cynomops planirostris - *Neospeleognathopsis (Speleomyotis) molossi*

Molossus ater - *Neospeleognathopsis (Speleomyotis) molossi*

M. molossus - *Neospeleognathopsis (Speleomyotis) molossi*

Fam. Emballonuridae

Saccopteryx bilineata - *Hipposideroptes saccopteryx*

S. leptura - *Hipposideroptes saccopteryx*

Order Rodentia

Fam. Arvicolidae

Microtus agrestis - *Speleorodens michigensis* (= *clethrionomys*)

M. pennsylvanicus - *Speleorodens michigensis*

Myodes [Clethrionomys] gapperi - *Speleorodens michigensis*

M. glareolus - *Speleorodens michigensis* (= *clethrionomys*)

Fam. Cricetidae

Neacomys guianae - *Speleorodens cricetidarum*

Zygodontomys lasiurus fuscus - *Speleorodens neotropicalis*

Fam. Gliridae

Claviglis murinus microtis - *Paraspeleognathopsis graphiuri*

Fam. Muridae

Murinae

Apodemus agrarius coreae - *Paraspeleognathopsis bakeri*

A. flavicollis - *Paraspeleognathopsis bakeri*

A. speciosus - *Paraspeleognathopsis bakeri*

Arvicanthis abysinicus – *Speleomys galliardi*
Dasymys incommutus medius – *Speleomys galliardi*
Hydromys chrysogaster – *Speleorodens derricki*
Mastomys coucha ugandae – *Paraspeleognathopsis bakeri*
Melomys cervinipes – *Paraspeleognathopsis bakeri*
Mus musculus – *Speleorodens derricki*
Pelomys fallax concolor – *Speleomys galliardi*
Rattus assimilis – *Speleorodens derricki*
R. conatus – *Speleorodens derricki*
R. rattus – *Speleorodens derricki*
Sylvaemus sylvaticus – *Paraspeleognathopsis bakeri*
S. sylvaticus callipides – *Paraspeleognathopsis bakeri*

Gerbillinae

Gerbilliscus boehmi – *Speleomys galliardi*

Fam. Sciuridae

Funisciurus carruthersi – *Speleorodens strandtmanni*
Sciurus carolinensis – *Speleorodens strandtmanni* (= *P. sciuri*)
S. granatensis – *Speleorodens strandtmanni*
S. vulgaris – *Speleorodens strandtmanni*
Tamiscus emini – *Speleorodens strandtmanni*

Order Primates

Fam. Galagonidae

Galago senegalensis moholi – *Paraspeleognathopsis galagoensis*

Order Artiodactyla

Fam. Bovidae

Bos taurus – *Speleognathus australis* (= *bovis*)
Bison bison – *Speleognathus australis*

Bibliography of Ereynetidae

- Abdelgayed S. A., N. M. Abd El-Wahed, A. M. Ali, S. Eraky. 2019. Species composition and Diversity of Mites Inhabiting Pomegranate Orchards at Assiut, Upper Egypt. - *Acarines*, 13: 29-36.
- Akimov A., I.V. Badanin, I. Wita. 2000. Comparative study of the mouthparts in Anystidae mites with special attention on their relationships with Parasitengonae. In: Ignatowicz S. (Ed.). *Akarologia Polska u Progu XXI Wieku*. Wydawnictwo SGGW. Warszawa, pp. 9 – 20.
- Akimov A., I.V. Badanin, S.A. Zabludovskaya. 2003. Ereynetid mites (Prostigmata, Ereynetidae) and the paths of their specialization to parasitism. - *Acarina*, 11: 65–72.

- Akimov I.A., S.A. Zabludovskaja. 2001. [Ontogeny of Ereyneid mites (Ereyneidae, Trombidiformes) and its adaptation to endoparasitism]. – Vestnik zoologii, **35**(5): 69 – 76 (in Russian).
- Akimov I.A., S.A. Zabludovskaja. 2003. Some aspects of the evolution of mites of the family Ereyneidae Oudemans, 1931. – Problems of Modern Parasitology, Int. Conf. Petrozavodsk, Proceedings, St. Petersburg: 14 – 16 (in Russian).
- Akimov I.A., S.A. Zabludovskaja. 2009. Host-Parasite Co-evolutionary Relations of Mites of the Genus *Riccardoella* (Prostigmata, Ereyneidae) and Terrestrial Mollusks. – Vestnik Zoologii, **43**(6): 517–524.
- Amaral V. 1963. Ocorrência do ácaro nasal *Trispeleognathus striatus* (Crossley, 1952), Fain 1962 (Ereyneidae Oudemans, 1931) em *Leptotila verreauxi* (Aves: Columbiformes). – Archos Inst. Biol., S. Paulo, **30**(15): 91.
- Amaral V. 1965. *Trispeleognathus* (*Trispeleognathus*) *euricoi* n. sp. (Ereyneidae: Trombidiformes) parasite of Juriti (*Leptotila verreauxi*). – Arq. Inst. Biol. S. Paulo, **32**: 31 – 34.
- Amaral V. 1967. Contribuição ao estudo das famílias Rhinonyssidae e Ereyneidae (Acarina: Mesostigmata e Trombidiformes) no Brasil. Tese (MS). – Fac. Med. Vet., U. S. P.
- Amaral V. 1968. Notes on nasal mites with the description of two new species: *Ptilonyssus zeferinoi* n.sp. and *Sternostoma clementei* n.sp. (Acarina: Rhinonyssidae). List of the species described in the Brazil and their hosts. – Arq. Inst. Biol. S. Paulo, **35**(3): 107 – 126.
- András V., K. Jenő. 2004. A csiga *Riccardoella oudemansi* Thor magyarországi előfordulása (Acari: Ereyneidae). – Folia Historico Naturalia Musei Matraensis, **28**: 95 – 96.
- André H. M., X. Ducarme. 2003. Rediscovery of the genus *Pseudotydeus* (Acari : Tydeoidea), with description of the adult using digital imaging. – Insect Syst. Evol., **34**: 373 – 380.
- André H. M., X. Ducarme, Ph. Lebrun. 2004. New Ereyneid Mites (Acari: Tydeoidea) from karstic areas: true association or sampling bias? – Journal of Cave and Karst Studies, **66**(3): 81-88.
- André M., E. Lamy. 1930. Les Acariens parasites des Mollusques. – J. Conchyliol., **74**: 199 – 221.
- André M., E. Lamy. 1931. Les Acariens parasites des Mollusques. (Note complémentaire) - J. Conchyliol., **75**: 322 – 327.
- André H. M., X. Ducarme, Ph. Lebrun. 2004. New Ereyneid Mites (Acari: Tydeoidea) from karstic areas: true association or sampling bias? – Journal of Cave and Karst Studies, **66**(3): 81-88.
- Arutyunyan E. S. 1972. [The mite *Riccardoella limacum* (Schränk, 1776) Berlese, 1923 from Armenia, new for the USSR]. – Biol. Zh. Armenii, **25**(9): 108 – 111 (in Russian, summ. in Armenian).
- Badanin I.V. 2000. [Functional morphology of the gnathosoma of the mite *Riccardoella oudemansi* (Trombidiformes, Ereyneidae)]. – Vestnik Zoologii, Suppl. 14, II: 144 – 151 (in Russian).
- Baker E. W. 1945. Five mites of the family Ereyneidae from Mexico. – J. Wash. Acad. Sci., **35**: 16 – 19.

- Baker E. W., G. W. Wharton. 1952. An introduction to Acarology. – The MacMillan Co., New York: 186 – 188.
- Baker R. A. 1970a. Studies on the life history of *Riccardoella limacum* (Schränk) (Acari, Trombidiformes). – J. nat. Hist., **4**: 511 – 519.
- Baker R. A. 1970b. The food of *Riccardoella limacum* (Schränk) (Acari, trombidiformes) and its relationship with pulmonate molluscs. – J. nat. Hist., **4**: 521 – 530.
- Baker R. A. 1971. Observations on aspects of nutrition in *Xenopacarus africanus* (Ereynetidae: Trombidiformes). – J. med. Ent., **8**: 307 – 313.
- Baker R. A. 1973. Notes on the internal anatomy, the food requirements and development in the family Ereynetidae (Trombidiformes). – Acarologia, **15**(1): 43 – 52.
- Baker E. W., M. D. Delfinado. 1974. Pseudotydeinae, a new subfamily of Tydeidae (Acarina). – Proc. Ent. Soc. Wash., **76**: 444 – 447.
- Banks N. 1915. The Acarina or Mites. – U. S. Departm. Agri. Report № 108: 22.
- Barker G.M., G.W. Ramsay. 1978. The Slug Mite *Riccardoella limacum* (Acari: Ereynetidae) in New Zealand. – The New Zealand Entomologist, **6**(4): 441 – 443.
- Berlese A. 1883. Acari, Myriapoda et Scorpiones hucusque in Italia reperta. – Patavii, fasc. 5(1-2), Tav. 21-22.
- Berlese A. 1893. Acari, Myriapoda et Scorpiones hucusque in Italia reperta. Ordo Prostigmata. Patavii, 1882 – 1893, 25 – 26.
- Berlese A. 1910. Lista di nuove specie e nuovi generi di acari. – Redia, **6**: 242 – 271.
- Berlese A. 1920. Acari, Myriapoda et Scorpiones hucusque in Italia reperta. – Patavii, Indici, p. 8, Firenze.
- Berlese A. 1923. Centuria sesta di Acari nuovi. Parte I. Prostigmata. – Redia, **15**: 242 – 246.
- Berlese A., E. Trouessart. 1889. Diagnoses d'Acariens nouveaux ou peu connus. – Bull. Bibl. Sci. de l'Ouest, **2** (2e partie)(9): 1 – 23. .
- Berlese A., E. Trouessart. 1919. Generi nuovi di Acari. – Redia, **14**: 4 (? paru en 1921)
- Bernardon F.F., G. Müller, C.S.Mascarenhas. 2015. Ereynetidae (Acari: Prostigmata) in *Chrysomus ruficapillus* (Passeriformes: Icteridae) from Brazil. – Revista Mexicana de Biodiversidad, **86**: 829 – 831.
- Bernardon F.F., C.S. Mascarenhas, J. Pereira, G. Müller. 2018. Host-Parasite relationships and co-infection of nasal mites of *Chrysomus ruficapillus* (Passeriformes: Icteridae) in southern Brazil. – Iheringia, Sér. Zool. vol.108, Porto Alegre.
- Bhat H.R., S.M. Kulkarni, A.C. Mishra. 1983. Records of Mesostigmata, Ereynetidae and Pterygosomidae (Acarina) in Western Himalayas, Sikkim and hill districts of West Bengal. – J. of the Bombay Nat. Hist. Society, **80**(1): 91 – 110.
- Booth R.G. 1983. A description of the juvenile life-stages of the Antarctic mite *Ereynetes macquariensis*. – Br. Antarct. Surv. Bull., **61**: 7 – 12.
- Bornstein S., K. Iwarsson. 1980. Nasal mites in a colony of Syrian hamsters (*Mesocricetus auratus*). – Laboratory Animals, **14**: 31 – 33.
- Bottazzi E. 1950. Primo contributo alla fauna de Trombidiformes (Acari) de Parmense. – Monit. Zool. Ital., **58**: 28 – 44.

- Boyd E. M. 1948. A new mite from the respiratory tract of the starling (Acarina, Speleognathidae). – Proc. Ent. Soc. Wash., **50**(1): 9 – 14.
- Boyd E. M. 1951. A survey of parasitism of the starling *Sturnus vulgaris* L. in North America. – J. Parasitol., **37**: 56 – 84.
- Cagán L., M. Shoaib. 2003. Effect of the mite *Riccardoella oudemansi* on food consumption of *Arion lusitanicus* and *Deroceras reticulatum*. – Acta fytotechnica et zootechnica, **4**: 110 – 112.
- Canestrini R. 1886. Prospetto dell'Acarofauna italiana. Padova, 229 – 230.
- Cekalovic T.K. 1976. Catalogo de los Arachnida: Scorpiones, Pseudoscorpiones, Opiliones, Acari, Araneae y Solifugae de la XII Region de Chile, Magallanes incluyendo la Antartica Chilena (Chile). – Gayana, Instituto de Biología, Zoología, **37**.
- Clark G. M. 1958. One new and one previously unreported species of nasal mite (Acarina, Speleognathidae) from North American birds. – Proc. Helm. Soc. Washington, **25**: 78 – 86.
- Clark G. M. 1960. Three new nasal mites (Acarina: Speleognathidae) from the gray squirrel, the common grackle, and the meadowlark in the United States. – Proc. Helm. Soc. Wash., **27**: 103 – 110.
- Clark G. M. 1964. One new and one previously unreported nasal mite (Acarina, Speleognathidae) from North American birds, with observations on Speleognathid taxonomy. – J. Parasitology, **50**: 158 – 162. Clark G. M. 1967a. New Speleognathinae from Central and South American mammals (Acarina: Trombidiformes). – Proc. Helminth. Soc. Wash., **34**: 240 – 243.
- Clark G. M. 1967b. A new nasal mite from the robin (*Turdus migratorius*) (Acarina, Speleognathinae). – Proc. Ent. Soc. Wash., **69**(3): 294 – 296.
- Çobanoğlu S., C. Cilbircioğlu, S. A. Zabludovskaya. 2020. New record of predatory mite (Prostigmata: Ereynetidae) with some cheyletid mites (Acari: Cheyletidae) from garlic agrosystems in Turkey. - International Journal of Acarology, **46**(2): 111 – 116.
- Cooreman J. P. 1947. Association d'Acariens vivant dans les nids de *Larus r. ridibundus* L. à Kalmthout. – Bull. Mus. R. Hist. Nat. Belgique, **23**(30): 14 pp.
- Cooreman J. P. 1954. Sur un Acarien nouveau parasite des fosses nasales des oiseaux et remarques sur la famille des Speleognathidae. – Ann. Parasitol., **29**(4): 426 – 432.
- Cooreman J. P., P. H. Vercammen-Grandjean. 1953. Les fosses nasales, nouvelle localisation parasitaire des larves de Thrombidions chez les rongeurs. (Note préliminaire). – Ann. Soc. Belge Méd. Trop., **33**(1): 41 – 42.
- Corpuz-Raros L. A. 1975. Two new species of *Ereynetes* (Ereynetidae, Acarina) from Philippines. – The Philippine Entomol., **2**: 326 – 331.
- Crooker A. R. 1977. First record of *Ereynetes macquariensis* (Acarina: Ereynetidae) from Anvers Island, Antarctic Peninsula. - Pacific Insects, **17**(4): 489.
- Crossley D.A. 1952. Two new nasal Mites from Columbiform Birds. – J. Parasitol., **38**(5): 385-390.
- Cruz J. de la. 1971. Los ácaros de la subfamilia Lawrencarinae (Acari: Ereynetidae) parasitos de los batracios de Cuba. – Poeyana, **86**: 1 – 9.

- Çobanoğlu S., C. Cilbircioğlu, S. Zabludovskaya. 2020. New record of predatory mite (Prostigmata: Ereyenetidae) with some cheyletid mites (Acari: Cheyletidae) from garlic agrosystems in Turkey. - Int. J. Acarol., **46**(2): 111 – 116.
- Domrow R. 1960. The family Speleognathidae in Australia. - Proc. Linn. Soc. N. S. W., **85**(3): 374 - 381.
- Domrow R. 1962. Mammals of Innisfail II. Their mite parasites. - Australian J. of Zoology, **10**(2): 268 - 306.
- Domrow R. 1965. Three Speleognathid nasal mites from Australian birds. - Acarologia, **7**(1): 43 - 48.
- Domrow R. 1966. Some mite parasites of Australian birds. - Proc. Linn. Soc. N. S. W., **90**: 190 - 217.
- Domrow R. 1967. Mite parasites of small mammals from scrub typhus foci in Australia. - Australian J. of Zoology, **15**: 759 - 798.
- Domrow R. 1969. The nasal mites of Queensland birds (Acari: Dermanyssidae, Ereyenetidae and Epidermoptidae). - Proc. Linn. Soc. N. S. W., **93**: 297 - 426.
- Domrow R. 1975. A new species of *Paraspeleognathopsis* Fain (Acari: Ereyenetidae) from an Australian dasyurid marsupial. - J. Austr. Entom. Soc., **14**: 97 - 99.
- Domrow R. 1991. Acari Prostigmata (excluding Trombiculidae) parasitic on Australian vertebrates: an annotated checklist, keys and bibliography. - Invertebr. Taxon., **4**: 1283 - 1376.
- Donczyk J. 2006. Free-living Tydeoidea (Acari: Actinedida) from the vicinity of Gniew (north-eastern Poland): preliminary report. - Biological Lett., **43**(2): 163 - 168.
- Drummond R. O., J. G. Medley. 1964. Occurrence of *Speleognathus australis* Womersley (Acarina: Speleognathidae) in the nasal passages of bison. - J. Parasit., **50**: 655.
- Dubinin W. 1957. Un nouveau genre *Ophthalmognathus* (Fam. Speleognathidae). - Trav. Soc. Nat. Leningrad, **73**(4): 64 -71 (in Russian).
- Dusbábek F., V. Černý. 1970. The nasal mites of Cuban birds. I. Ascidae, Ereyenetidae, Trombiculidae (Acarina). - Acarologia, **11**(1): 269-281.
- Eyndhoven van G. 1955. *Boydaia jordani* sp. nov. a new endoparasitic mite (Acarina, Speleognathidae). - Trans. R. Ent. Soc. London, **107**: 203 - 207.
- Faccini J.L., U.E.C. Confalonieri, A.H. Fonseca. 1981. Primeiro registro de *Speleognathopsis galli* Cooremann, 1954 (Acari: Ereyenetidae) no Brasil. - Anais de Sociedade Entomologica do Brasil, **10**(1): 135-137.
- Fain A. 1955a. Sur un nouvel acarien parasite des fosses nasales de la *Perdrix* au Ruanda-Urundi: *Boydaia pternistis* n. sp. (Speleognathidae). - Rev. Zool. Bot. Afr., **52**(1-2): 144 - 149.
- Fain A. 1955b. Sur le parasitisme des fosses nasales chez les mammifères et les oiseaux par les acarins de la famille Speleognathidae (Acarina). Description d'une espèce nouvelle chez la chauve-souris. - Ann. Soc. Belg. Med. Trop., **35**(6): 689 - 700.
- Fain A. 1956a. Les acarins de la famille Speleognathidae Womersley au Ruanda- Urundi (Congo Belge). - Rev. Zool. Bot. Afr., **53**(1-2): 17 - 50.
- Fain A. 1956b. Notes sur les acarins du genre *Boydaia* Womersley (Speleognathidae) parasites des fosses nasales des oiseaux et des mammifères. Description d'une espèce nouvelle. - Riv. Parasitol., **17**(1): 27 - 34.

- Fain A. 1956c. Nouvelles observations sur les acariens de la famille Speleognathidae parasites des fosses nasales chez les batraciens, les oiseaux et les mammifères. – Ann. Parasit., **31**(5-6): 643 - 662.
- Fain A. 1956d. Présence d'Acariens de la famille Speleognathidae Womersley dans les fosses nasales de mammifères. Description de trois espèces nouvelles. – Ann. Parasit., **30**(1-2): 155 - 168.
- Fain A. 1956e. *Astrida parrae* n. sp. nouvel Acarien (Speleognathidae: Trombidiformes) parasitant les fosses nasales du parra commun (*Actophilornis africanus* Gmel.). – Riv. Parasitol., **17**(2): 113 - 118.
- Fain A. 1957. Sur la position systématique de *Riccardoella eweri* Lawrence, 1952 et de *Boydaia angelae* Womersley, 1953. Remaniement de la famille Ereyenetidae Oudemans, 1931. – Rev. Zool. Bot. Afr., **55**: 249 - 252.
- Fain A. 1958a. Notes sur les Acariens de la sous-famille Speleognathinae Fain 1957 (Trombidiformes – Ereyenetidae Oudemans). Essai de groupement sous-générique. – Rev. Zool. Bot. Afr., **58**(1-2): 175 - 183.
- Fain A. 1958b. Un nouveau Spéléognathe (Acarina-Ereyenetidae) parasitant les fosses nasales du Murin [*Myotis myotis* (Borkh.)] en Belgique: *Speleognathopsis bastini* n. sp. – Bull. Ann. Soc. roy. Ent. Belg., **94**(11-12): 342 - 345.
- Fain A. 1958c. Un nouvel Acarien Trombidiforme parasitant les fosses nasales d'un Serpent au Ruanda-Urundi. – Rev. Zool. Bot. Afr., **57**(1-2): 177 - 183.
- Fain A. 1958d. Acariens parasites nasicoles chez les oiseaux du Zoo d'Anvers. Description de trois espèces nouvelles. – Bull. Soc. r. Zool. Anvers, **9**: 1 - 13.
- Fain A. 1959a. Further notes on nasal mites from South Africa, with description of a new genus and five new species. – J. Ent. Soc. S. Afr., **22**(1): 18 - 34.
- Fain A. 1960a. Acariens nasicoles parasites d'oiseaux sud-africains et camerounais. Description de deux espèces et un genre nouveaux. – Revue de Zoologie et de Botanique Africaines, **61**: 102-116.
- Fain A. 1960b. Acariens nasicoles récoltés par le Dr. F. Zumpt en Rhodésie du Nord et au Transvaal. Description de trois espèces nouvelles. – Rev. Zool. Bot. Afr., **62**: 91-102.
- Fain A. 1961a. Observations sur les acariens de la sous-famille Lawrencarinae (Ereyenetinae, Trombidiformes). Note préliminaire. – Bull. Ann. Soc. R. Ent. de Belg., **97**(9-10): 245 - 255.
- Fain A. 1961b. Diagnoses de deux acariens nasicoles nouveaux. – Rev. Zool. Bot. Afr., **63**(1-2): 128 - 130.
- Fain A. 1961c. Description de la femelle de *Speleognathopsis* (*Neospeleognathopsis*) *strandtmanni* Fain 1955 (Syn.: *Speleognathopsis sciuri* Clark, 1960). – Bull. Ann. Soc. R. Ent. de Belg., **97**(5-6): 159 - 165.
- Fain A. 1961d. Acariens nasicoles des colibris (Trochilidae) et des étourneaux (Sturnidae). Description de trois espèces nouvelles. – Bull. et Annales de la Société Royale d'Entomologie de Belgique, **97**: 45 - 62.
- Fain A. 1962a. Un organe sensoriel propre aux Ereyenetidae, l' "organe ereynetal" et remarques sur l'évolution de la chaetotaxie dans ce groupe d'acariens. – Acarologia, **4**: 297 - 306.

- Fain A. 1962b. Les acariens parasites nasicoles des batraciens. Revision des Lawrencarinae Fain, 1957 (Ereynetidae: Trombidiformes). – Inst. R. Sci. nat. Belg., **38**(25): 1 - 69.
- Fain A. 1962c. Trois nouveaux Speleognathines (Ereynetidae: Trombidiformes). – Rev. Zool. Bot. afr., **66**(3 - 4): 363 - 369.
- Fain A. 1962d. Insects of Macquarie Island. (Acarina, Trombidiformes, Ereynetidae). – Pacific Insects, **4**(4): 921 - 928.
- Fain A. 1962e. Les acariens parasites nasicoles des oiseaux de Belgique I. Deux espèces nouvelles de Rhinonyssidae (Mesostigmata) avec une liste des espèces connues de Belgique. - Bull. Ann. Soc. Roy. Ent. Belg., **98**(14): 252-270.
- Fain A. 1963. Les solénidions chez les Ereynetidae. (Acarina: Trombidiformes) – Z. f. Parasitenkunde, **22**: 367 - 374.
- Fain A. 1963b. Le dimorphisme sexuel chez les Ereynetidae (Acarina: Trombidiformes). – Z. Parasitenkunde, **23**: 50 - 62.
- Fain A. 1963c. Chaetotaxie et classification des Speleognathinae (Acarina: Trombidiformes). - Inst. R. Sci. nat. Belg., **39**(9): 1-80.
- Fain A. 1963d. Les Acariens nasicoles des oiseaux de Belgique. II. Description de deux espèces nouvelles. - Bull. Ann. Soc. Roy. Ent. Belg., **99**(12): 168 – 181.
- Fain A. 1964a. Chaetotaxy and specialized sensory organs of the Ereynetidae. – Acarologia, **13**: 224 - 227.
- Fain A. 1964b. Les Ereynetidae de la collection Berlese à Florence. Désignation d'une espèce type pour le genre *Ereynetes* Berlese. – Redia, **49**: 87 - 111.
- Fain A. 1964c. Nouveaux Rhinonyssidae et Ereynetidae parasites nasicoles d'Oiseaux (Acarina: Mesostigmata et Trombidiformes). – Rev. Zool. Bot. Afr., **70** (1-2): 29 - 39.
- Fain A. 1965. Quelques aspects de l'endoparasitisme par les Acariens. – Ann. Parasitol. Hum. et comp., **40**(3): 317 - 327.
- Fain A. 1966. L'acariase des fosses nasales chez les mammifères – description d'une nouvelle espèce chez une chauve-souris de Trinidad (Ereynetidae: Trombidiformes). – Acta Zool. Pathol. Antverp., **41**: 103 - 108.
- Fain A. 1967. Adaptation to parasitism in mites. – 2-nd Int. Congr. Acarology (Sutton Bonington), Acarologia, **11**(3): 429 - 449.
- Fain A. 1969. Nouveaux Speleognathinae parasites nasicoles d'oiseaux (Acarina: Trombidiformes). – Rev. Zool. Bot. Afr., **80**(3-4): 369 - 376.
- Fain A. 1970a. Nomenclature des poils idiosomaux et description de trois espèces nouvelles dans la famille Ereynetidae. – Acarologia, **12**(2): 314 - 325.
- Fain A. 1970b. Notes sur les Spéléognathines parasites nasicoles des Mammifères (Ereynetidae: Trombidiformes). – Acarologia, **12**(3): 509 - 521.
- Fain A. 1971. Clé et liste des espèces du genre *Boydaiia* Womersley (Ereynetidae: Trombidiformes). - Acarologia, **13**: 97 – 112.
- Fain A. 1972. Développement postembryonnaire chez les Acariens de la sous-famille Speleognathinae (Ereynetidae: Trombidiformes). – Acarologia, **13**(4): 607 - 614.

- Fain A. 1976. Acariens récoltés par le docteur J. Travé aux îles subantarctiques. II. Familles Acaridae, Anoetidae, Ereyetidae et Tarsonemidae (Astigmates et Prostigmates). – *Acarologia*, **18**(2): 302 - 328.
- Fain A. 1979. Specificity, adaptation and parallel host-parasite evolution in Acariens, especially Myobiidae, with a tentative explanation for the regressive evolution caused by the immunological reactions of the host. – *Rec. Adv. Acarol.*, **2**: 321 – 328. *Proc. V-th Int. Congr. Acarol.* East Lansing, Michigan.
- Fain A. 1985a. Systematic notes on the Speleognathinae (Acari: Ereyetidae) with description of new taxa and key to the Trispeleognathini. – *Bull. Ann. Soc. r. Belg. Ent.*, **121**: 143 - 152.
- Fain A. 1985b. Nouvelles observations sur l'organe ereynetel et les solenidions chez les Ereyetidae (Acari, Prostigmata). – *Bull. Ann. Soc. r. Belg. Ent.*, **121**: 247 - 260.
- Fain A. 2004. Mites (Acari) parasitic and predaceous in terrestrial gastropods. Pp. 505 - 524. In: Barker G.M. (ed.) *Natural Enemies of Terrestrial Molluscs*. CAB International, Wallingford.
- Fain A., T. H. G. Aitken. 1968. Les Acariens parasites nasicoles des Oiseaux de Trinidad (Indes Occidentales). II. Ereyetidae: Speleognathinae. – *Bull. Soc. Roy. Ent. Belg.*, **104**: 80 - 84.
- Fain A., T. H. G. Aitken. 1969. Acariens nasicoles d'oiseaux et de mammifères du Brésil. II. Ereyetidae de la région de Belém (nord Brésil). – *Bull. Ann. Soc. R. Ent. Belg.*, **105**: 33 - 44.
- Fain A., T. H. G. Aitken. 1970. Acariens nasicoles d'oiseaux et de mammifères du Brésil. IV. Nouveaux Ereyetidae (Trombidiformes) et Turbinoptidae (Sarcoptiformes) de la région de Belém (Nord Brésil). – *Acarologia*, **12**(2): 326 – 338.
- Fain A., J. Bafort. 1973. Deux nouvelles espèces du genre *Ereyetes* Berlese de Belgique. – *Acarologia*, **15**(3): 409 - 413.
- Fain A., R. A. Baker, R. C. Tinsley. 1969. Notes on the mite *Xenopacarus africanus* n. g., n. sp. parasitic in the nasal cavities of the African clawed frog *Xenopus laevis* (Ereyetidae: Trombidiformes). – *Rev. Zool. Bot. Afr.*, **80**(3-4): 340 - 345.
- Fain A., G.M. Barker. 2003a. A new genus and species of mite of the family Ereyetidae (Acari: Ereyetidae) from the U.S.A. – *Acarologia*, **31**: 187 - 190.
- Fain A., G.M. Barker. 2003b. A new genus and species of mite of the family Ereyetidae (Acari Prostigmata) from the palatal cavity of a New Zealand terrestrial gastropod (Athoracophoridae). – *Bulletin S.R.B.E./K.B.V.E.*, **139**: 233 – 238.
- Fain A., G.M. Barker. 2004. A new species of the genus *Riccardoella* Berlese, 1923 (Acari: Ereyetidae) occurring as a parasite in the pallial cavity of Athoracophoridae (Gastropoda) in New Zealand. – *Bulletin S.R.B.E./K.B.V.E.*, **140**: 43 - 48.
- Fain A., A. M. Camerik. 1994. Notes on the mites of the genus *Ereyetes* (Acarina: Ereyetinae), with description of five new species from South Africa. – *Bull. Inst. R. Sci. Nat. Belg. Ent.*, **64**: 145 - 164.
- Fain A., M. L. Goff. 1980. Speleognathine mites (Acari: Ereyetidae) from birds in the Hawaiian Islands, with description of a new species. – *J. Med. Entomol.*, **17**(6): 506 - 508.
- Fain A., A. Herin, F. Puylaert. 1977. Notes sur les Acariens nasicoles d'Oiseaux du Cameroun. – *Rev. Zool. Afr.*, **91**(2): 385 - 396.

- Fain A., K. E. Hyland. 1970. Acariens nasicoles des oiseaux du Mexique. III. Familles Erey-netidae et Turbinoptidae. – Bull. Ann. Soc. R. Ent. Belg., **106**: 37 - 46.
- Fain A., J.S.H. Klompen. 1990. *Riccardoella* (*Prorriccardoella*) *triodopsis* nov. spec. (Acari: Erey-netidae) from the U.S.A. – Acarologia, **31**(2): 187-190.
- Fain A., F. S. Lukoschus. 1968. Note sur deux acariens parasites nasicoles de muridés (Erey-netidae: Trombidiformes). – Bull. Ann. Soc. R. Ent. Belg., **104**: 85 - 90.
- Fain A., F. S. Lukoschus. 1971. Parasitic mites of Surinam. XV. Nasal Erey-netid mites of bats with a key of the known species. - Bull. Ann. Soc. r. Belg. Ent., **107**: 284 - 297.
- Fain A., F. S. Lukoschus. 1972. Parasitic mites of Surinam. XXVII. Gastronyssidae, Rhinonyssidae and Erey-netidae from the nasal cavities of bats or birds. - Studies on the Fauna of Suriname and other Guyanas, **13**: 84 - 94.
- Fain A., F. S. Lukoschus. 1979a. Parasites of Western Australia. II. Nasal mites from birds (Acarina: Rhinonyssidae, Dermanyssidae, Erey-netidae and Cytoditidae). – Rec. West. Austr. Mus., **7**(1): 9 - ?25.
- Fain A., F. S. Lukoschus. 1979b. Parasites of Western Australia. V. Nasal mites from bats (Acari: Gastronyssidae and Erey-netidae). – Rec. West. Austr. Mus., **7**: 57 - 60.
- Fain A., J. Mortelmans. 1959. Acariens nasicoles nouveaux chez un Manchot d'Humboldt et un perroquet sud-américains. – Bull. Soc. r. Zool. Anvers, **12**: 13 - 18.
- Fain A., M. Nadchatram. 1962. Acariens nasicoles de Malaisie I. *Erey-netoides malayi* n. g., n. sp., parasite d'un Nectarin (Erey-netidae: Trombidiformes). – Zeitsch. f. Parasitenk., **22**: 68 - 82.
- Fain A., J. Prasse. 1973. Two new species of the genus *Erey-netes* from the G. D. R. (Acarina: Erey-netidae). – Zool. Anz., **191**(3/4): 229 - 235.
- Fain A., R. C. Tinsley. 1975. *Xenocarpus kenyensis* n. sp. from the nasal cavities of *Xenopus borealis* (Parker) (Acarina, Prostigmata, Erey-netidae). – Rev. Zool. afr., **89**(4): 854 - 858.
- Fain A., R. C. Tinsley. 1993. A new *Xenocarpus* (Acari, Erey-netidae) from the nasal cavities of *Xenopus* sp. (*fraseri* group) with a discussion on the evolution host- parasite. – J. Afr. Zool., **107**(6): 513 - 517.
- Fain A., J. van Goethem. 1978. *Erey-netes* (*Anerey-netes*) *papuanus* sp. n. (Acari: Erey-netidae) associated with the Hermit Crab *Coenobita rugosa* M. E. from Papua New Guinea. – Ann. Soc. r. Zool. Belg., **107**: 125 - 128.
- Fain A., J. van Goethem. 1986. Les Acariens du genre *Riccardoella* Berlese, 1923, parasites du poumon de mollusques gastéropodes pulmonés terrestres. – Acarologia, **27**(2): 125 - 140.
- Fain A., P. H. Vercammen-Grandjean, B. Wagner. 1966. Un nouveau Speleognathe nasicole d'un Charadriiforme Sudafricain. – Acta Zool. et Path. Antverp., **41**: 115 - 118.
- Fernandez M., J. Diez, M. L. Moraza. 2013. Acarofauna associated with *Ips sexdentatus* in northwest Spain. - Scandinavian Journal of Forest Research, **28**(4): 358 - 362. <http://dx.doi.org/10.1080/02827581.2012.745897>
- Flechtmann Ch. W., D. Baggio. 1985. Nota sobre a ocorrência do parasite *Riccardoella lima-cum* (Schränk, 1781) (Acari, Erey-netidae) em criações de escargot (*Helix pomatia* L. e *H. aspersa* L.) no Brasil. - An. Esc. Super. Agric. Luiz de Queiroz, **42**(1): 51-54.

- Flechtmann Ch. W., A. Fain, A. do Carmo, A. Leal. 1985. Acari domum Meliponarum Brasil-
iensium Habitantes. VII. *Ereynetes* (*Gymnereynetes*) *meliponae* n. sp. (Acari: Ereynetidae).
– Rev. Bras. Bio., **45**(1/2): 95 - 99.
- Franz H. 1954. Ordnung Acarina. In: H. Franz. Die Nordost-Alpen im Spiegel ihrer Landti-
erwelt. Universit. Verlag Wagner, Innsbruck: 329 - 452.
- Ford H. G. 1959. *Boydaia tyrannis* n. sp. (Acarina, Speleognathidae), a new mite from the
nasal cavity of the eastern kingbird, *Tyrannus tyrannus* (Linnaeus). – Trans. Am. microsc.
Soc, **78**: 379-385.
- Ford H. G. 1962. *Speleognathopsis michigensis* (Acarina: Speleognathidae), a new species
of nasal mite from the meadow mouse, *Microtus pennsylvanicus* (Ord.). – Trans. Am.
microsc. Soc., **81**: 104 - 105.
- Fritsch W. 1962. Eine neue Milbe aus der Nasenhöhle von Vögeln (Acarina, Speleognathidae).
– Zool. Anz., **169**(5/6): 236 - 238.
- Galloni M., E. Cornaglia. 1979. Sul reperto di Acari nel Sacco polmonare di *Helix pomatia*
L. – Quaderno del 1o Centro di Elicicoltura, Borgo S.D., **5**: 43 - 44.
- Goff M.L. 1983. New records of ereynetid nasal mites from birds in Hawaii. – Proceedings of
the Hawaiian Entomological Society, **24**: 167.
- Graham F.J., J.B. Ford, N.W. Runham. 1993. Comparison of two species of mites of the same
genus, *Riccardoella* associated with molluscs. – Acarologia, **34** : 143 - 148.
- Graham F.J., N.W. Runham, J.B. Ford. 1996. Long-term effects of *Riccardoella limacum* living
in the lung of *Helix aspersa*. – In: I.F. Henderson, Ed. Slug and snail pests in agriculture.
359 - 364. British Crop Protection Council, Farnham.
- Grandjean F. 1939. Observations sur les Acariens (5-e Série). – Bull. Mus. Nat. Hist. nat., 2-e
s., **11**(4): 394 - 401.
- Hagstrum D. et al. 2013. Atlas of Stored-products insects and mites. AACC International Press.
- Haldeman S. S. 1851. In A. Binney: “The terrestrial air-breathing mollusks of th U.S.” 2: 107.
- Haralabidis S., M. Papazachariadou, M. Lazaridou-Dimitriadou, C. Himonas, M. Kattoulas.
1983. Contribution to the parasitological study of the commercialized snails of Greece.
I. Parasites of the snails *Helix aspersa* Müller and *Helix lucorum* L. from the Greek main-
land. – Biologia Gallo-Hellenica, **10**: 143 - 148.
- Hilario-Pérez D., A. Danel. 2016. Survey of Nasal Mites (Acari: Rhinonyssidae, Ereynetidae,
Turbinoptidae) in Birds from Three States in the United States. Theses and Dissertations.
1764. <http://scholarworks.uark.edu/etd/1764>.
- Hilario-Pérez D. A., A.P.G. Dowling. 2018. Nasal mites from specimens of the brown-headed
cowbird (Icteridae: *Molothrus ater*) from Texas and Arkansas, U.S.A. – Acarologia, **58**(2):
296-301.
- Hunter P. E. 1964. Five new mites of the subfamily Ereynetinae (Acarina: Ereynetidae). –
Florida Entomol., **47**: 181 - 193.
- Hunter P. E., E. A. Cross. 1968. Key to the North American Ereynetinae and description of a
new species (Acarina: Ereynetidae). – J. Georg. ent. Soc., **3**: 154 - 158.
- Hunter P. E., S. L. Poe. 1971. Description of *Ereynetes* (*Anereynetes*) *coenobitus* sp. n. (Acari:
Ereynetidae) associated with the Hermit Crab. – The Florida Ent., **54**(2): 135 - 138.

- Hunter P. E., R. M. T. Rosario, J. C. Moser. 1989. Two new species of *Ereynetes* (Acari: Prostigmata: Ereynetidae) associated with bark beetles. – J. Entomol. Soc., **24**: 16 - 20.
- Hyland K. E. 1978. Specifity and parallel host-parasite evolution in the Turbinoptidae, Cyto-ditidae and Ereynetidae living in the respiratory passages of birds. – Recent Advances in Acarology, II: 363 - 369.
- Jenyns L. 1831. On a peculiar species of Mite parasitical on Slugs. – Ann. Mag. nat. Hist., **4**: 538 - 539.
- Kaneko K. 1968. New records of two nasal mites from Japanese rodents (Acarina: Epidermoptidae and Ereynetidae). – Jap. J. sanit. Zool., **19**: 161 - 164.
- Kaneko K., T. Kadosaka, S. Toshioka. 1977. New records of two nasal mites from Japan (Acarina: Turbinoptidae and Ereynetidae). – Jap. J. Sanit. Zool., **28**(2): 161 - 165.
- Kaneko K., Y. Matsudaira, Prince Masahito. 1978. Endoparasitic mites of anatid birds collected in Chiba and Saitama prefectures, Japan (Acarina: Rhinonyssidae and Ereynetidae). – The Japan Soc. of Med. entomology and zoology, **29**(2): 147 - 154.
- Karbarz-Wiktorowicz H. 1973. Observations sur la morphologie de *Riccardoella limacum* (Schrank) (Acari: Ereynetidae). – Bull. Entom. Pologne, **43**: 767 - 788.
- Kethley J. B. 1971. *Hydranetes*, a new genus of Ereynetidae from Hydrophilid Beetles (Prostigmata: Ereynetidae). – J. Georg. ent. Soc., **6**: 176 - 184.
- Knee W., H. Proctor, T. Galloway. 2008. Survey of nasal mites (Rhinonyssidae, Ereynetidae, and Turbinoptidae) associated with birds in Alberta and Manitoba, Canada. – Can. Entomol., **140**: 364 - 379.
- Koch C.L. 1839. Deutschlands Crustaceen, Myriapoden und Arachniden. Regensburg, 20: 12.
- Krantz G. W. 1978. A manual of Acarology (2-nd Edition). – Oregon State University, Corvallis: 1 - 509.
- Lawrence R. F. 1952. A new parasitic mite from the nasal cavities of the South African toad *Bufo regularis* Reuss. – Proc. Zool. Soc. London, **121**: 747 - 752.
- Leonovich S.A., S. A. Zabludovskaya. 2018. New Data on the Structure of Ereynetal Organ in Mites of the Family Ereynetidae (Acariformes: Prostigmata). – Entomological Review, **98**: 375–379.
- Li L.-S., Xuan J.-Y., Fan Q.-H. 1992. Taxonomic investigation of food mites in Sichuan Province. – J. of Southwest Agricultural University, **14**(1): 23 – 34 (in Chinese, Engl. abstract).
- Lufty R. G. 1960. Studies on the mite *Riccardoella eweri* (Lawrence), parasitic on the Egyptian toad *Bufo regularis* Reuss. – Acarologia, **2**: 183 - 198.
- Luxton M. 1990. The marine littoral mites of the New Zealand region. – Journal of the Royal Society of New Zealand, **20**(4): 367 - 418.
- McClure H. Elliott, N. Ratanaworadhan et al. 1973. Some ectoparasites of the birds of Asia. – 219 pp.
- McDaniel B. 1967. A new distribution record and description of *Speleognathopsis benoiti* Fain collected from the black-belled plover in Texas. – The Texas Journal of Science, **19**(1): 94 - 98.

- Macfadyen A. 1954. The invertebrate fauna of Jan Mayen Island (East Greenland). – Journal of Animal Ecology, **23**(2): 261 – 297.
- Mascarenhas C.S., J.G.W. Brum. 2006. Estudo de ácaros nasícolas parasitos de aves silvestres e lista preliminar das espécies encontradas no Rio Grande do Sul, Brasil. - In: XV Congresso de Iniciação Científica e VIII Encontro de Pós- Graduação da UFPel, 2006, Pelotas. Anais do XV Congresso de Iniciação Científica e VIII Encontro de Pós-Graduação da UFPel. Pelotas, 2006.
- Mauri R., A. Bischoff. 1984. Acaros parásitos de fosas nasales de batracios (Prostigmata, Erey-netidae). - Revista de la Sociedad Entomológica Argentina, **43**(1–4): 337–340.
- Mégnin M. 1889. Le parasite de la Limace des Caves (*Ereynetes limacum* Schrank). – C. R. Soc. Biol., **3**: 354 - 356.
- Mendoza – Roldan J.A. 2019. Acarofauna of reptiles and amphibians of Brazil: Morphological and molecular studies and pathogens research. Thesis, Univ. de São Paulo.
- Mihelčič F. 1958. Prostigmata Südeuropas (Spanien). - Eos, Madrid, **34**(3): 269 -290.
- Mienis H. K. 1984. Een geval van parasitisme van *Arion ater rufus* door *Riccardoella limacum* in de Flevopolder. Correspondentieblad van de Nederlandse Malacologische Vereniging, **218**: 1535.
- Mienis H. K. 1990. Records of slug mites *Riccardoella* spec. from terrestrial gastropods in Israel. – Soosiana, **18**: 42 – 46.
- Morand S., J. Deguzan. 1986. Contribution à l'étude du parasitisme de l'escargot petit-gris (*Helix aspersa* Muller): premiers résultats concernant l'acarien *Riccardoella limacum* (Schrank) et le nématode *Alloionema appendiculatum* (Schneider). – Haliotis, **15**: 31 – 39.
- Moser J.C., H.H. Eidmann, J.R. Regnander. 1989. The mites associated with *Ips typographus* in Sweden. - Ann. Entomol. Fennici, **55**: 23-27.
- OConnor B.M. 1978. A redescription of *Speleorodens michigensis* (Ford) n. comb. (Acari: Ereynetidae), a nasal mite of microtine rodents, with comments on generic relationships in the Speleognathinae. – New York Entomol. Society, **86**(2): 123 – 129.
- Oudemans A.C. 1912. Acarologische Aanteekeningen XLI. - Entomologische Berichten, **3**, 65: 247.
- Oudemans A.C. 1928. Acarologische Aanteekeningen XCIV. - Entomologische Berichten, **7**: 374 – 382.
- Oudemans A.C. 1929. Acarologische Aanteekeningen XCVIII. - Entomologische Berichten, **7**, 168: 481 – 482.
- Oudemans A.C. 1931. Acarologische Aanteekeningen CVIII. - Entomologische Berichten, **8**: 251–263.
- Panda D.N., S.C. Mishra, M.R. Panda. 1987. Occurrence of *Speleognathopsis galli*, a respiratory mite in desi fowls. - Indian Journal of Animal Sciences, **57**: 507– 509.
- Pence D. B. 1973a. The nasal mites of birds from Louisiana VII. The Ereynetidae (Speleognathinae). – J. Parasitol., **59**: 364 - 368.
- Pence D.B. 1973b. Nasal mites of birds of Louisiana VIII. Additional Records. – Journal of Parasitology, **59**: 874–880. <https://doi.org/10.2307/3278426>

- Pence D.B. 1973c. The nasal mites of birds from Louisiana. IX. Synopsis. - *Journal of Parasitology*, **59**: 881–892. <https://doi.org/10.2307/3278429>
- Pence D. B., S. Casto. 1976. Nasal mites of the subfamily Speleognathinae (Ereynetidae) from birds in Texas. - *J. Parasitol.*, **62**(3): 466 – 469.
- Penttinen R., H. Viiri, J.C. Moser. 2013. The mites (Acari) associated with bark beetles in the Koli national Park in Finland. - *Acarologia*, **53**(1): 3-15.
- Pernek M., B. Hrasovec, D. Matosević, I. Pilas, Th. Kirisits, J.C. Moser. 2008. Phoretic mites of three bark beetles (*Pityokteines* spp.) on silver fir. - *J. of Pest Science*, **81**(1): 35 - 42.
- Polaco O.J., W. Mendl. 1988. Occurrence of mites in the Mexican land snails. - *The Nautilus*, **102**: 129.
- Porter J.C., R.W. Strandtmann. 1952. Nasal Mites of the English sparrow. - *Texas J. Sci.*, **3**: 393 - 399.
- Rosas Costa J. 1955. Descripcion de una nueva especie del genero *Speleognathus* Womersley (Acarina: Trombidiformes, Speleognathidae). - *Publ. Mision Estud.*
- Patol. Reg. Argent., 26[85-86]; *Bol. Buenos Aires Inst.*, **4**: 79 - 81.
- Siahkamari S., N. Moeininaghadeh, M. Darbemamieh. 2020. Fauna of Prostigmatic mites (Trombidiformes: Prostigmata) associated with *Quercus* spp. in Bisotun natural preserved area and List of reported species from Oak in Iran.
- Schränk F. P. 1776. *Acarus limacum*. - *Beitr. Zur Naturgeschichte*, **1**: 13.
- Sellnick M. 1940. Die Milbenfauna Islands. - *K. Vet. O. Vitterh. Samh. Handl., Ser. B*, **6**(14): 1 – 129.
- Shiba M. 1969a. Taxonomic investigations on free-living mites in the subalpine forest on Shiga Heights IBP area II. Prostigmata. - *Bull. natn. Sci. Mus.*, **12**: 65 - 115.
- Shiba M. 1969b. Results of the speleological survey in South Korea 1966. XVI. Prostigmatid Mites (Acarina) from South Korea. - *Bull. natn. Sci. Mus.*, **12**(3): 607- 613.
- Shiba M. 1971. The fauna of the Lava Caves around Mt. Fuji-san. III. Prostigmata (Acari). - *Bull. Nat. Sci. Mus.*, **14**(2): 221 - 229.
- Shiba M. 1976. Taxonomic investigation on free-living Prostigmata from the Malay Peninsula. - *Nature Life S.E. Asia*, **7**: 83 - 229.
- Sixl W. 1972. Nasale Milben einheimische Vögel und Kleinsäuger. II. Mitteilung. - *Mitt. naturwiss. Ver. Steiermark*, **102**: 173 – 174.
- Skoracki M., K.-H. Schmidt, N. Marciniak, M. Marciniak. 2018. A review of mites of the subfamily Speleognathinae (Acariformes: Ereynetidae) parasitizing respiratory tracts of birds in the Afrotropical region. - *Zootaxa*, **4403**(3): 401-440.
- Skoracki M., S.A. Zabludovskaya, A.V. Bochkov. 2012. A review of Prostigmata (Acariformes: Trombidiformes) permanently associated with birds. - *Acarina*, **20**: 67–107.
- Shoaib M., L. Cagán. 2004. Natural enemies of slugs and snails recorded in Slovakia. - *Acta fytothecnica et zootechnica*, **7**: 275-278.
- Spicer G. S. 1977. New host records from avian nasal mites (Acarina: Rhinonyssinae, Speleognathinae). - *Journal of Medical Entomology*, **14**(4): 498.

- Spicer G. S. 1987. Prevalence and host - parasite list of some nasal mites from birds (Acarina: Rhinonyssidae, Speleognathidae). - Journal of Parasitology, **73**(2): 259 - 264.
- Stojnic B., B. Vidović, G. Jokić, M. Vukša, T. Blažić, S. Đedović. 2016. First record of two slug mite species of the genus *Riccardoella* Berlese (Acari: Ereynetidae) in Serbia. - Pestic. Phytomed. (Belgrade), **31**(3-4): 145-150.
- Strandmann R. W. 1964. Insects of Campbell Island. Prostigmata: Eupodiidae, Penthalodidae, Rhagidiidae, Nanorchestidae, Tydeidae, Ereynetidae. - Pacif. Ins. Mon., **7**: 148 - 165.
- Strandtmann R.W. 1964. Insects of Campbell Island. Prostigmata: Eupodidae, Penthalodidae, Rhagidiidae, Nanorchestidae, Tydeidae, Ereynetidae. - Pacific Insects Monograph **7**: 148 - 165.
- Strandtmann R.W. 1967. Terrestrial Prostigmata (Trombidiform mites). - Antarct. Res. Ser., Washington, **10**: 51 - 80.
- Strandtmann R. W. 1971. The eupodoid mites of Alaska (Acarina: Prostigmata). - Pacific Insects, **13**(1): 75 - 118.
- Strandtmann R. W., L. Davies. 1972. Eupodiform mites from Possession Island, Crozet Islands, with a key to the species of *Eupodes* (Acarina: Prostigmata). - Pacif. Insects, **14**(1): 39-56.
- Strandmann R. W., P.J. Tilbrook. 1968. Some Prostigmata (Acari) from Signy Island, South. Orkney Islands and Deception Island, South Shetland Islands. - Brit. Antarct. Surv. Bull., **17**: 51-57.
- Talbot N.T. 1969. *Speleognathopsis galli* - a respiratory mite of the fowl in Papua and New Guinea. - Australian Veterinary Journal, **45**: 582-583. <https://doi.org/10.1111/j.1751-0813.1969.tb16098.x>
- Thor S. 1929. *Riccardoella limacum*. - Nyt Magazin für Naturvidenskaberne, **67**: 6.
- Thor S. 1932a. *Opserereynetes*, eine neue augentragende Gattung aus der Familie Ereynetidae Oudemans, 1931, in Norwegen gefunden. - Zool. Anz., **99**(1/2): 27 - 30.
- Thor S. 1932b. *Riccardoella oudemansi* sp.n. aus Holland. - Zool. Anz., **99**(5/6): 249 - 255.
- Thor S. 1933. Acarina: Tydeidae, Ereynetidae. - Das Tierreich, **60**(2): 1 - 84.
- Thor S., C. Willmann. 1941. Das Tierreich. Acarina 71a. - Eupodidae etc., pp. 1 - 57.
- Turk F. A. 1970. Some notes on the Acari and Myriapoda collected by Dr. P. Brown and Mr. W. G. R. Maxwell in Bulgarian caves. - Trans. Cave res. Group of Great Britain, Ledbury: **12**(1): 39 - 41.
- Turk F. A., S. M. Phillips. 1945. A monograph of the slug-mite *Riccardoella limacum* (Schrank). - Proc. Zool. Soc. London, **115**: 448 - 472.
- Uchikawa K., H. Suzuki. 1984. Medico-zoological Studies in Tokara Archipelago, Kagoshima Prefecture, Japan-Records of Acari and Flea found on an *Apodemus* mouse on Nakanoshima Island comprising the Archipelago. - Tropical Medicine, **26**(1): 17-25.
- Ueckermann E.A., L.R. Tiedt. 2003. First record of *Riccardoella limacum* (Schrank, 1776) and *Riccardoella oudemansi* Thor, 1932 (Acari: Ereynetidae) from South Africa. - African Plant Protection, **9**(1): 23 - 26.
- Vara A. 1979. Presenza di *Riccardoella limacum* in *Helix aperta*. - Quaderni di Elicicoltura, Borgo S.D., **8**: 33.

- Varga A., J. Kontschán. 2004. A csiga atka *Riccardoella oudemansi* Thor magyarországi előfordulása (Acari: Ereyetidae). – Folia historico naturalia musei Matraensis, **28**: 95 - 96.
- Vásquez-Rojas J.M., E.G. Estrada-Venegas. 2010. Ereyetid mites (Tydeoidea: Ereyetidae) associated with garlic crops in Guanajuato, Mexico. – Trends in Acarology, 207 – 210.
- Vitzthum H. 1930. Milben als Pesträger. – Syst. Jahrb. Syst. Jena, **60**(3 - 4): 425 – 426.
- Vitzthum H. 1931. Terrestrische Acarinen (unter Ausschluss der Oribatiden und Ixodiden) der Deutschen Limnologischen Sunda-Expedition. – Archiv f. Hydrobiologie, Suppl. 9 (Tropische Binnengewässer II): 59 - 134.
- Waki T., S. Shimano. 2019. Redescription of the snail mite *Riccardoella reaumuri* (Acariformes: Prostigmata: Ereyetidae). – Spec. Div., **24**: 97 – 102.
- Waki T., S. Shimano, T. Asami. 2019. First record of *Riccardoella* (*Prorriccardoella*) *triiodopsis* (Acariformes: Trombidiformes: Ereyetidae) from Japan, with additional morphological information. – Spec. Div., **24**: 11 – 15.
- Waki T., S. Shimano, M. Shiba. 2019. Snail mite *Riccardoella reaumuri* (Acariformes: Prostigmata: Ereyetidae) as free living from Shikoku Island, Japan. – Edaphologia, **105**: 26 – 27.
- Waki T., S.F. Hiruta, S. Shimano. 2018. A new species of the genus *Riccardoella* (Acari: Prostigmata: Ereyetidae) from the land snail *Tauphaedusa tau* (Gastropoda: Clausiliidae) in Japan. – Zootaxa, **4402**: 163–174.
- Waki T., S. Shimano, T. Asami, T. Miyai, T. Sasaki. 2018. *Riccardoella reaumuri* Fain & van Goethem, 1986 (Acariformes: Trombidiformes: Ereyetidae) from terrestrial mollusks in Okinawajima Island, as first record from Japan. – The biological magazine Okinawa, **56**: 27–31.
- Waki T., H. Ikezawa, K. Umeda, S. Shimano. 2021. Natural history study on *Riccardoella tokyoensis*: life history with ontogeny and host distribution records. – Experimental and Applied Acarology, **83**(4):
- Watson K.C. 1967. The terrestrial Arthropoda of Macquarie Island. ANARE Scientific Reports, series B (I), Zoology 99: 1-90.
- White A.R. 1959. Infestation of slug mite *Riccardoella limacum* (Schränk) on various species of slugs. – The Entomologist's Monthly Magazine, **95**: 14.
- Willmann C. 1941. Die Acari der Höhlen der Balkanhalbinsel. (Nach dem Material der "Biospeleologica balcanica". – Studien aus dem Gebiete der allgemeinen Karstforschung etc., Biol. Serie Nr.8, Brünn: 80 pp.
- Willmann C. 1949. Beiträge zur Kenntnis des Salzgebietes von Ciechocinek. I. Milben aus dem Salzwiesen und Salzmooren von Ciechocinek an der Weichsel. – Veröff. Mus. Nat. Bremen, **1A**: 106 – 135; 141-142.
- Willmann C. 1951. Untersuchungen über die terrestrische Milbenfauna im pannonischen Klimagebiet Österreichs. – Sitzungsber. der Österr. Akademie der Wissenschaften, Mathem. – naturwiss. Kl., Abt. I, **160** Bd.: 91 - 176.
- Willmann C. 1952. Die Milbenfauna der Nordseeinsel Wangerooge. – Veröff. Inst. Meeresforsch. Bremerhaven, **1**(2): 139 - 186.

- Womersley H. 1936. On a new family of Acarina, with description of a new genus and species. – Ann. Mag. and Nat. Hist., **18**(104): 312 - 315.
- Womersley H. 1953. A new genus and species of Speleognathidae (Acarina) from South Australia. – Trans. Roy. Soc. S. Austr., **76**: 82 - 84.
- Womersley H. 1954. Another new species of *Boydaiia* (Speleognathidae: Acarina) from Australia. – Trans. Roy. Soc. S. Austr., **77**: 65 - 66.
- Zabludovskaya S.A. 1992. A new subspecies of *Lawrencarus eweri* (Ereynetidae, Lawrencariidae) from Transbaikalia. – Vestnik zoologii, **3**: 66 – 69 (in Russian, summ. Ukr., Engl.).
- Zabludovskaya S.A. 1994. Mites of the genus *Ereynetes* (Trombidiformes, Ereynetidae) of Ukraine Fauna with description of two new species. – Vestnik Zoologii, **1994** (4-5): 35 – 39 (in Russian, abstr. English).
- Zabludovskaya S.A. 1995. Male and deutonymph of the mite *Riccardoella canadensis* (Trombidiformes, Ereynetidae). – Vestnik Zoologii, v.1995, 90 - 92 (in Russian).
- Zabludovskaya S.A. 1999. Ereynetid mites (Acariformes: Tydeoidea: Ereynetidae) parasitizing the respiratory ways of birds (Aves: Anseriformes, Charadriiformes, Passeriformes) of the European-Siberian subregion of the Palaearctic. – Acarina, **6** (for 1998)(1-2): 47 – 50.
- Zabludovskaya S.A. 2002. On studying of the fauna of Ereynetid mites (Ereynetidae, Trombidiformes). – Vestnik zoologii, **36**: 93 - 94.
- Zabludovskaya S.A. 2005. Mites from respiratory ways of small mammals in Ukraine. – Vestnik zoologii, Suppl. No 19: 147 - 150.
- Zabludovskaya S.A. 2012. Mites from respiratory ways of small mammals and birds in Ukraine in natural area and areas of anthropogenic effect. – Ukrainian Entomological Journal, **1**: 10 – 15.
- Zabludovskaya S.A., I.V. Badanin. 2009. Adaptive Changes of the Ereynetal Organ in Mites (Prostigmata, Ereynetidae) During Transition to Parasitism, in XIV Conference of Ukrainian Scientific Society of Parasitologists (Uzhgorod, 2009) Abstracts (Kiev, 2009).
- Zabludovskaya S.A., I.V. Badanin. 2010. The Slug Mite *Riccardoella* (*Prorriccardoella*) *oudemansi* (Prostigmata, Ereynetidae) from Ukraine. - Vestnik Zoologii, **44**(2): e 19–e22.
- Zhang Zhi-Qiang. 2010. Terrestrial Parasitengona (except chiggers) of China: a review of progress in systematics and biology, with a checklist of species. – Zoosymposia, **4**: 94 - 105.
- Zhang Zhi-Qiang, J. P. Sanderson. 1993. Association of *Ereynetes* tritonymphs (Acari: Ereynetidae) with the fungus gnat, *Bradysia impatiens* (Diptera: Sciaridae). – Int. J. Acarol., **19**: 179 - 183.

The Mite Superfamily Paratydeoidea

Paratydeoidea Baker, 1949

The superfamily contains only the family Paratydeidae.

The Mite Family Paratydeidae Baker

Paratydeidae Baker, 1949: 119

Small family of 13 known species of six genera, described by Berlese (1910), Baker (1949, 1950), Theron, Meyer & Ryke (1969), Kuznetzov (1973), Soliman (1974), Kandeel (1992), Kandeel & Hoda (1992), Flechtmann (1992), Seeman & Walter (2000).

Catalogue of Paratydeidae

Family **Paratydeidae** Baker

Paratydeidae Baker, 1949: 119

Type genus: *Paratydeus* Baker, 1949

Genus ***Hexatydeus*** Soliman

Hexatydeus Soliman, 1974: 198

Type species: *Hexatydeus aegyptiacus* Soliman, 1974

Hexatydeus aegyptiacus Soliman

Hexatydeus aegyptiacus Soliman, 1974: 198

Type locality: Dakahlia, El Manzala

Distribution: Egypt

Hexatydeus amabilis Kandeel

Hexatydeus amabilis Kandeel, 1992: 6

Type locality: Egypt

Distribution: Egypt

Genus ***Paratydeus*** Baker

Paratydeus Baker, 1949: 119

Type species: *Paratydeus alexanderi* Baker, 1949

Paratydeus alexanderi Baker

Paratydeus alexanderi Baker, 1949: 120

Type locality: intercepted at Brownsville, Texas on twig with bananas from Mexico

Distribution: Mexico

Genus ***Sacotydeus*** Theron, Meyer et Ryke

Sacotydeus Theron, Meyer & Ryke, 1969: 698

Type species: *Sacotydeus lootsi* Theron, Meyer et Ryke, 1969

Sacotydeus lootsi Theron, Meyer et Ryke

Sacotydeus lootsi Theron, Meyer & Ryke, 1969: 699

Type locality: Potchefstroom, Transvaal

Distribution: South Africa

Genus ***Scolotydaeus*** Berlese

Scolotydaeus Berlese, 1910: 214

Type species: *Scolotydaeus bacillus* Berlese, 1910

Neotydeus Baker, 1950: 289. Syn. by Delfinado & Baker, 1974: 207

Type species: *Neotydeus ardisannae* Baker, 1950

Scolotydeus ardisannae (Baker)

Neotydeus ardisannae Baker, 1950: 291

Scolotydeus ardisannae (Baker): Syn. by Delfinado & Baker, 1974: 207

Type locality: Sanburn, Johnson Co., Illinois

Distribution: USA

Scolotydaeus bacillus Berlese

Scolotydaeus bacillus Berlese, 1910: 214; Thor, 1932: 90; 1933: 44; Theron, Meyer & Ryke, 1969: 708

Type locality: Palermo ("in agri Panormitani")

Distribution: Norway, Italy (incl. Sicily)

Scolotydaeus corticicola Flechtmann

Scolotydaeus corticicola Flechtmann, 1992: 299

Type locality: Brazil

Distribution: Brazil

Scolotydaeus simplex Delfinado et Baker

Scolotydaeus simplex Delfinado & Baker, 1974: 207

Type locality: New York, Long Island, Adirondack Oark

Distribution: U.S.A. (New York)

Genus ***Tanytydeus*** Theron, Meyer et Ryke

Tanytydeus Theron, Meyer & Ryke, 1969: 703

Type species: *Tanytydeus cristatus* Theron, Meyer et Ryke

Tanytydeus cristatus Theron, Meyer et Ryke*Tanytydeus cristatus* Theron, Meyer & Ryke, 1969: 703

Type locality: Potchefstroom, Transvaal

Distribution: South Africa, Crimea

Tanytydeus kakadu Seeman et Walter*Tanytydeus kakadu* Seeman & Walter, 2000: 399

Type locality: NT, Kakadu Nat. Park, Baroalba Gorge, Gubara Walk

Distribution: Australia (Northern Territory)

Tanytydeus lamington Seeman et Walter*Tanytydeus lamington*, Seeman & Walter, 2000: 395

Type locality: Lamington Nat. Park, Mt Bithongabel

Distribution: Australia (Queensland)

Tanytydeus neocristatus Kandeel et Hoda*Tanytydeus neocristatus* Kandeel & Hoda, 1992: 311

Type locality: Egypt

Distribution: Egypt

Genus ***Walytydeus*** Kuznetzov*Walytydeus* Kuznetzov, 1973: 12Type species: *Walytydeus tauricus* Kuznetzov, 1973***Walytydeus tauricus*** Kuznetzov*Walytydeus tauricus* Kuznetzov, 1973: 13

Type locality: Crimea

Distribution: Crimea

Index of Paratydeidae

(Names in bold are accepted as valid)

aegyptiacus, ***Hexatydeus*** 243*alexanderi*, ***Paratydeus*** 244*amabilis*, ***Hexatydeus*** 243*ardisannae*, ***Neotydeus*** 244*ardisannae*, ***Scolotydeus*** 244*bacillus*, ***Scolotydaeus*** 244*corticicola*, ***Scolotydaeus*** 244*cristatus*, ***Tanytydeus*** 245***Hexatydeus*** 243*kakadu*, ***Tanytydeus*** 245*lamington*, ***Tanytydeus*** 245*lootsi*, ***Sacotydeus*** 244*neocristatus*, ***Tanytydeus*** 245*Neotydeus* 243**Paratydeidae** 243**Paratydeoidea** 243

Paratydeus 243

Sacotydeus 244

Scolotydaeus 244

simplex, *Scolotydaeus* 244

Tanytydeus 244

tauricus, *Walytydeus* 245

Walytydeus 245

Distribution of Paratydeidae

EUROPE

Crimea (Kuznetsov, 1973) – *Tanytydeus cristatus*, *Walytydeus tauricus*

Italy (contin.)(Berlese, 1882)

Sicily (Berlese, 1910) - *Scolotydaeus bacillus*

Norway (Thor, 1932) - *Scolotydaeus bacillus*

AFRICA

Egypt (Kandeel, 1992; Kandeel & Hoda, 1992; Soliman, 1974) – *Hexatydeus aegypticus*, *H. amabilis*, *Tanytydeus neocristatus*

South Africa (Theron, Meyer & Ryke, 1969) – *Sacotydeus lootsi*, *Tanytydeus cristatus*

NORTH AMERICA

Mexico (Baker, 1949) - *Paratydeus alexanderi*

USA (Baker, 1950; Delfinado & Baker, 1974) - *Scolotydaeus* (= *Neotydeus*) *ardisannae*, *S. simplex*

SOUTH and CENTRAL AMERICA

Brazil (Flechtmann, 1992) - *Scolotydaeus corticicola*

OCEANIA

Australia (continent.)(Seeman & Walter, 2000) – *Tanytydeus lamington*, *T. kakadu*

Bibliography of Paratydeidae

Baker E. W. 1949. Paratydeidae, a new family of mites. – Proc. Ent. Soc. Wash., **51** (3): 119 - 122.

Baker E. W. 1950. Further notes on the family Paratydeidae (Acarina) with a description of another new genus and species. – J. Wash. Acad. Sci., **40**(9): 289 – 291.

Berlese A. 1910. Acari nuovi. – Redia, **6**(2): 199-234.

Delfinado M., E.W. Baker. 1974. Terrestrial Mites of New York (Acarina: Prostigmata), I – Tarsocheylidae, Paratydeidae, and Pseudocheylidae. – New York Ent. Soc., **82**: 202 - 211.

Flechtmann C.H.W. 1992. First record of a Paratydeidae (Acari, Prostigmata) in South America with description of *Scolotydaeus corticicola* sp. n. – Revista bras. Zool., **9**(3-4): 299 - 304.

- Kandeel M.M.H. 1992. Revision of family Paratydeidae with the description of *Hexatydeus amabilis* n. sp. from Egypt (Acari: Actinedida). – Bull. Ent. Soc. Egypt (A.R.E.), **70**: 1 - 9.
- Kandeel M.M.H., F.M. Hoda. 1992. First record of Paratydeidae from Egypt with the description of a new species (Acari: Actinedida). – Agric. Res. Review Cairo, **62**: 311 - 316.
- Kuznetsov N.N. 1973. Mites of the family Paratydeidae (Acariformes, Prostigmata); description of a new genus and species from Crimean material. – Nauchnye doklady vyssh. Shk. Biol. Nauki, 1973(11): 11 - 16.
- Seeman O.D., D.E. Walter. 2000. A review of the Paratydeidae (Acari: Prostigmata) with descriptions of the first Australian representatives, *Tanytydeus lamington* sp. nov. and *T. kakadu* sp. nov. – Acarologia, **40**(4), 1999: 393 - 400.
- Soliman Z.R. 1974. New genus of family Paratydeidae from Egypt. – Bull. Soc. Ent. Egypt, **58**: 197- 200.
- Theron P. D., M. K. P. Meyer, P. A. J. Ryke. 1969. Two new genera of the family Paratydeidae (Acari: Prostigmata) from South African soils. – Acarologia, **11**(4): 697 - 710.
- Thor S. 1932c. Norwegische Tydeidae VIII-XV, mit Bemerkungen über die Gattung *Tydeus* und über Augen, Tracheen usw. – Zool. Anz., **98**: 69 - 91.
- Thor Sig. 1933. Acarina, Tydeidae, Ereyneidae. – Das Tierreich, **60**(2): 1 - 84.

Supercohort Anystides

Cohort Anystina

The cohort includes (Walter et al, in Krantz & Walter, 2009) the superfamilies Anystoidea, Caeculoidea, Adamystoidea, Paratydeoidea, and Pomerantzioidea, all treated in the present volume.

The Mite Superfamily Anystoidea

Anystoidea Cunliffe, 1955: 213; Southcott, 1957: 173
Phalanx Hamatostomata Wainstein, 1965: 77

In this superfamily are included the families Anystidae, Erythracaridae, Teneriffiidae, Pseudocheylidae, and Stigmocheylidae. They are predators.

The Mite Families Anystidae Oudemans and Erythracaridae Oudemans

The Anystids (s.lat.) are fast moving predators, moderately large (500 – 1500 µm), preying upon small mites and insects. Most often they are found on the soil surface or on plants. As early as in 1927 it was shown by Hirst that they can reach the highest mountains (Tibet, Mount Everest, 4950 m).

Acarus baccharum Linnaeus, 1758 and *A. salicinus* (now *Anystis*) were the first members of Anystidae to be described. Since the description of the genus *Anystis* von Heyden, 1826 on the basis of *Trombidium cornigerum* Hermann, 1804, many people contributed with new descriptions of Anystids: Haller (1882), Berlese (1882, 1886, 1903, 1905, 1923, described the genera *Tarsotomus*, *Erythracarus*), Thor (1912) described *Tarsolarkus*, Banks (1916), Schweizer (1922), Hirst (1927, 1931 - described *Anandia*), Trägårdh (1905, 1931). Among the early students of Anystidae are also worth mentioning Dugès (1834), C.L. Koch (1836, 1847), Stoll (1886, 1887).

It was Oudemans, who revised the family in 1936, describing nine new genera (*Autenriethia*, *Barellea*, *Walzia*, *Scharfenbergia*, *Snartia*, *Tencateia*, *Chaussieria*, *Bechsteinia*, *Siblyia*) and new species and dividing the family into two subfamilies Anystinae and Erythracarinae, the only recognized ever since.

After 1936 the most important contributions were the partial revision of Meyer & Ueckermann (1987) in South Africa (with the descriptions of the new genera *Namandia* and *Paranandia* and of 7 new species) and the revision of Erythracarinae of Otto (1999b), of *Erythracarus* of Otto (1999a), of *Chaussieria* (Otto, 1999c) and of *Tarsotomus* and *Paratarsotomus* (Otto, 1999d), in Australia. Other acarologists who contributed to the system or the biology of Anystidae after 1936 were Evans & Browning, Barilo, Naudo, Willmann (described the genus *Absoloniana*), Reda, Kuznetsov (described the genus *Paratarsotomus*), Womersley and others.

Finally, Pepato & Klimov (2015) upgraded the subfamily Erythracarinae on family level.

Composition of Anystidae and Erythracaridae

Fam. **Anystidae** Oudemans, 1902 - 16 gen., 102 sp. and Fam. **Erythracaridae** Oudemans – 8 gen., 68 sp.

Subfam. **Anystinae** Oudemans, 1936 - 8 gen., 34 sp.

Anystis von Heyden, 1826 - 21 sp.

(= *Actineda* C.L. Koch, 1836)

Autenriethia Oudemans, 1936 - 1 sp.

Barellea Oudemans, 1936 - 1 sp.

Mesoanystis Zacharda, 1985 - 1 sp. (fossil)

Scharfenbergia Oudemans, 1936 - 2 sp.

Snartia Oudemans, 1936 - 1 sp.

Tencateia Oudemans, 1936 - 3 sp.

Walzia Oudemans, 1936 - 5 sp.

Fam. **Erythracaridae** Oudemans: Pepato & Klimov, 2015 - 8 gen., 68 sp.

Chaussieria Oudemans, 1937 - 10 sp.

Erythracarus Berlese, 1903 - 19 sp.

Erythrocheylus Berlese, 1903 - 2 sp.

Namadia Meyer & Ueckermann, 1987 - 1 sp.

Paratarsotomus Kuznetsov, 1983 - 5 sp.

Siblyia Oudemans, 1936 - 1 sp.

Tarsolarcus Thor, 1912 - 3 sp.

Tarsotomus Berlese, 1882 - 27 sp.

(= *Absoloniana* Willmann, 1940)

(= *Paranandia* Meyer et Ueckermann, 1987)

(= *Anandia* Hirst, 1927)

(= *Parabsolonia* Barilo, 1984)

(= *Bechsteinia* Oudemans, 1936)

(= *Chabrieria* Oudemans, 1936)

Catalogue of the Families Anystidae and Erythracaridae

Family **Anystidae** Oudemans

Anystinae Oudemans, 1902:

Anystidae Thor, 1903; Oudemans, 1909; 1936: 364

Erythracaridae Miller, 1925: 97

Type genus: *Anystis* von Heyden, 1826

Subfamily **Anystinae** Oudemans

Anystinae: Oudemans, 1936: 383

Type genus: *Anystis* von Heyden, 1826

Genus **Anystis** von Heyden

Anystis von Heyden, 1826: 609

Type species: *Trombidium cornigerum* Hermann, 1804

Actineda C.L. Koch, 1836: 6

Type species: *Actineda hilaris* C.L. Koch, 1836

Anystis agilis (Banks)

Actineda agilis Banks, 1894: 211; 1895: 432; 1903: 275

Anystis agilis (Banks): Banks, 1907: 598; Ewing, 1909: 432; Miller, 1925: 98; Cuthbertson & Murchie, 2007: 276

Type locality: USA

Distribution: Bermuda Is., Great Britain, Italy, USA

Anystis andrei Oudemans

Anystis andrei Oudemans, 1936: 408

Type locality: Beausoleil, France, 350 m

Distribution: France

Anystis baccharum (Linnaeus)

Acarus baccharum Linnaeus, 1758: 106

Actineda baccharum: Stoll, 1886

Anystis baccharum (L.): Trägårdh, 1905: 63; 1931: 624; Thor, 1912 : 388; Hull, 1918: 29; Vitzthum, 1926: 121; André, 1927: 168; Oudemans, 1906: 85; 1936: 387; Irk, 1939: 154; Willmann, 1939: 13; 1951b: 144; 1954: 236; Irk, 1939: 154; Duduch et al., 1940: 54; Evans, 1953: 280; Franz, 1954: 367; Mihelčič, 1958a: 40; 1958b: 278; Shiba, 1969: 101; 2006: 87; Hardman et al., 1885; Smith-Meyer & Ueckermann, 1987: 2 (redescription), Gupta, 2002: 12. Detailed synonymy in Vitzthum, 1926

Anystes baccharum (L.): Irk, 1939; Schweizer, 1951: 66

Actineda coccinea Targioni-Tozzetti, 1878: 258.

Type locality: Sweden

Distribution: Algeria, Australia, Austria, Canada, Chile (Juan Fernandes Is.), China, Egypt, Faroes Is., Germany, Great Britain, Hungary, Iceland, India, Iran, Israel, Italy, Japan, Korea, Madeira, Malaysia, Mexico, New Guinea, Norway, St-Helena, South Africa, Spain, Sweden, Switzerland, Tanzania, Tunisia, Turkey, U.S.A.

Anystis berlesei Oudemans

Anystis berlesei: Oudemans, 1936: 395

Type locality: Italy

Distribution: Italy, St. Helena

Anystis borrusica Oudemans

Anystis borrusica: Oudemans, 1936: 405

Type locality: Königsberg, now Kaliningrad, Russia

Distribution: Russia (Kaliningrad District)

Anystis citreola Oudemans

Anystis flaveola Stoll, 1887 (nec *flaveola* C.L. Koch, 1836)

Anystis citreola: Oudemans, 1936: 410

Type locality: Guatemala

Distribution: Guatemala

***Anystis cornigerum* (Hermann)**

Trombidium cornigerum Hermann, 1804: 47

Actineda cornigera (Hermann): C.L. Koch, 1836: Heft 17. Considered by Vitzthum (1926) who listed some names of C.L. Koch as synonyms of *A. baccharum*: *Actineda flaveola*, *A. pini*, *A. triangularis*, *A. robuscula*, *A. rubis*, and others. In his revision of Anystidae Oudemans (1936) indicates that “Kochschen “Arten” wahrscheinlich Nymphen sind” (p.365, 368). as synonym of *Anystis baccharum*.

Erythraeus cornigerus: Dugès, 1834: 16, 44.

Anystis cornigerum (Hermann): von Heyden, 1826. Type of genus *Anystis* von Heyden, 1826.

Type locality: France

Distribution: France, Great Britain, Italy

***Anystis cornutum* (Hermann)**

Trombidium cornutum Hermann, 1804: 47

Anystis sp.: Thor & Willmann, 1947: 513

Anystis cornutum (Hermann): Otto, 1999a: 895 (with “?”)

Type locality: France

Distribution: France

***Anystis cursorium* (Gervais)**

Trombidium cursorium Gervais, 1844: 187

Anystis cursorium (Gervais):

Type locality: France

Distribution: France

***Anystis germanica* Oudemans**

Anystis germanica: Oudemans, 1936: 403

Type locality: Königsberg, now Kaliningrad, Russia

Distribution: Russia (Kaliningrad District)

***Anystis indica* Gupta**

Anystis indica Gupta, 1992: 144; 2002:

Type locality: India

Distribution: India

***Anystis jabanica* (Berlese)**

Actineda jabanica Berlese, 1905: 156

Anystis jabanica (Berlese): Holm & Wallace, 1989: 77

Type locality: Buitenzorg (Java)

Distribution: Australia, Indonesia (Java)

Anystis lahorensis* KhanAnystis lahorensis* Khan, 1967: 400

Type locality: Lahor

Distribution: Pakistan

Anystis langei* BariloAnystis langei* Barilo, 1984c: 452

Type locality: Zeravshan Range, 20 km south of Samarkand

Distribution: Uzbekistan

Anystis nagalandensis* GuptaAnystis nagalandensis* Gupta, 1991: 235; 1992:

Type locality: Botsa, Nagaland

Distribution: India

Anystis pallescens* (C.L. Koch)Actineda pallescens* C.L. Koch, 1838: 6

Type locality: Germany

Distribution: Germany, Holland, Italy, Sainte-Helene

Anystis salicinus* (Linnaeus)Acarus salicinus*: Linnaeus, 1758: 618*Anystis salicinus* (L.): Oudemans, 1936: 393; Smith – Meyer & Ueckermann, 1987: 8; Otto, 1992: 33; Shiba, 2006: 87; Zhang & Hong, 2010: 8*Anystis rosae* Oudemans, 1936: 397 - Type locality: Arnhem, Holland*Anystis kochi* Oudemans, 1936: 399 - Type locality: Prov. Gelderland, Holland

Type locality: (?) Sweden

Distribution: China, France, Germany, Great Britain, Holland, Japan, Sweden; Sainte-Helene, South Africa (introduced)

Anystis sellnicki* OudemansAnystis sellnicki*: Oudemans, 1936: 401

Type locality: Königsberg, now Kaliningrad, Russia

Distribution: Russia (Kaliningrad District)

Anystis venustula* (Koch et Berendt)(fossil)Actineda venustula* Koch & Berendt, 1854: Plate XIII, fig. 106*Anystis venustula* (Koch et Berendt): Oudemans, 1936: 411

Type locality: Baltic Amber (Paleogene)

Distribution: Baltic Amber (Paleogene)

Anystis vitis (Schrank)*Acarus vitis* Schrank, 1781: 519*Actineda vitis* (Schrank): Halbert, 1915: 114*Anystis vitis* (Schrank): Oudemans, 1936: 464; Bottazzi, 1950: 29; Starkoff & Starkoff, 1950: 95

Type locality: Austria

Distribution: Austria, Ireland, Italy

Anystis voigtsi Oudemans*Anystis voigtsi*: Oudemans, 1936: 405

Type locality: Bremen, Germany

Distribution: Germany

Anystis wallacei Otto*Anystis salicinus*: Meyer & Ueckermann, 1987: 8, in part; Holm & Wallace, 1989: 79 (nec *Acarus salicinus* Linnaeus)*Anystis wallacei* Otto, 1992: 25; Halliday, 2005: 7; Barbar, 2018

Type locality: France

Distribution: China, France, Portugal, Spain, Morocco, Syria; South Africa, Australia (introduced)

Genus ***Autenriethia*** Oudemans*Autenriethia* Oudemans, 1936: 425Type species: *Actineda velox* Berlese, 1905***Autenriethia velox*** (Berlese)*Actineda velox*: Berlese, 1905: 156*Autenriethia velox* (Berlese): Oudemans, 1936: 427

Type locality: Johore, Malaysia

Distribution: Malaysia

Genus ***Barellea*** Oudemans*Barellea* Oudemans, 1936: 427Type species: *Anystis sinensis* Berlese, 1923***Barellea sinensis*** (Berlese)*Anystis sinensis*: Berlese, 1923: 237*Barellea sinensis* (Berlese): Oudemans, 1936: 427; Zhang & Hong, 2010: 8

Type locality: Peking

Distribution: China

Genus ***Mesoanystis*** Zacharda (fossil)

Mesoanystis Zacharda, 1985: 150

Type species: *Mesoanystis taymirensis* Zacharda, 1985

Mesoanystis taymirensis Zacharda (fossil)

Mesoanystis taymirensis Zacharda, 1985: 150

Type locality: Taymir Peninsula, Jantardach (Upper Cretaceous amber)

Distribution: Russia (Taymir)

Genus ***Scharfenbergia*** Oudemans

Scharfenbergia Oudemans, 1936: 412

Type species: *Actineda hilaris* C.L.Koch, 1836

Scharfenbergia hilaris (C.L. Koch)

Actineda hilaris: C.L. Koch, 1836: 6

Scharfenberhia hilaris (C.L.Koch): Oudemans, 1936: 412

Type locality: Esslarn, Germany

Distribution: Germany, France

Scharfenbergia gauthieri Oudemans

Scharfenbergia gauthieri Oudemans, 1936: 414

Type locality: Reghaia, Algeria

Distribution: Algeria

Genus ***Snartia*** Oudemans

Snartia Oudemans, 1936: 417

Type species: *Snartia nepenthus* Oudemans, 1936

Snartia nepenthus Oudemans

Snartia nepenthus Oudemans, 1936: 417

Type locality: Haranggaol, Lake Toba, Sumatra

Distribution: Sumatra (Indonesia)

Genus ***Tencateia*** Oudemans

Tencateia Oudemans, 1936: 422

Type species: *Tencateia besselingi* Oudemans, 1936

Tencateia besselingi Oudemans

Tencateia besselingi: Oudemans, 1936: 424; Willmann, 1954: 236; Meyer & Ueckermann, 1987: 14

Type locality: Roosendaal, Noord-Brabant

Distribution: Czech Rep., Holland

Tencateia kanthiensis Gupta

Tencateia kanthiensis Gupta, 1992: 146

Type locality: W. Bengal, Distr. Medinipur, Kanthi

Distribution: India

Tencateia toxopei Oudemans

Tencateia toxopei: Oudemans, 1936: 425; Willmann, 1951a: 147; Shiba, 2006: 87

Type locality: Oisterwijk, Noord-Brabant (Holland)

Distribution: Austria, Holland, Japan

Tencateia villosa Meyer et Ueckermann

Tencateia villosa: Meyer & Ueckermann, 1987: 10

Type locality: South Africa (10 km from Postmasburg, Cape Prov., and many other places)

Distribution: South Africa

Genus ***Walzia*** Oudemans

Walzia Oudemans, 1936: 419

Type species: *Actineda antiguensis* Stoll, 1886

Walzia antiguensis (Stoll)

Actineda antiguensis: Stoll, 1886: 7

Walzia antiguensis (Stoll): Oudemans, 1936: 419

Type locality: Antigua, Guatemala

Distribution: Guatemala, Venezuela

Walzia australica Womersley

Walzia australica: Womersley, 1942: 18; Holm & Wallace, 1989; Su et al., 2006

Type locality: South Australia, Queensland

Distribution: Australia (South Australia, Queensland), China

Walzia darjeelingensis Gupta

Walzia darjeelingensis Gupta, 1992: 148; 2002:

Type locality: West Bengal, Darjeeling Botanical Garden

Distribution: India

Walzia hammeni Meyer et Ueckermann

Walzia hammeni: Meyer & Ueckermann, 1987: 16

Type locality: South Africa, Blyde River Canyon, Transvaal, and many other places

Distribution: South Africa

Walzia indiana Meyer et Ueckermann*Walzia indiana*: Meyer & Ueckermann, 1987: 14; Gupta, 2002:

Type locality: Midnapur, West Bengal, India

Distribution: India

Fam. **Erythracaridae** Oudemans

Subfamilia Erythracarinae Oudemans

Erythracarinae Oudemans, 1936: 427

Erythracaridae: Pepato & Klimov, 2015

Type genus: *Erythracarus* Oudemans, 1936Genus ***Chaussieria*** Oudemans*Schellenbergia* Oudemans, 1936: 433 (praeocc.)*Chaussieria* Oudemans, 1937: 662 (replacement name); Meyer & Ueckermann, 1987: 18;
Otto, 1999b: 254*Chausseria* (misspelling): Willmann, 1951b: 147; Hutterer & Rack, 1977: 421Type species: *Erythraeus domesticus* C.L. Koch, 1847***Chaussieria aprica*** Otto*Chaussieria aprica* Otto, 1999b: 258

Type locality: 10 miles south of Larrimah, Northern Territory

Distribution: Australia

Chaussieria berlesei (Oudemans)*Erythraeus parietinus* (Hermann): Berlese, 1882: (not Hermann, 1804)*Tarsotomus berlesei* Oudemans, 1906: 87*Schellenbergia berlesei* (Oudemans): Oudemans, 1936: 434*Chausseria berlesei* (Oudemans): Willmann, 1951a: 147*Chaussieria berlesei* (Oudemans): Meyer & Ueckermann, 1987: 18

Type locality: Italy

Distribution: Austria, Italy

Chaussieria capensis Meyer et Ryke*Chaussieria capensis* Meyer & Ryke, 1960: 185; Ueckermann & Smith Meyer, 1988: 41
(synonymized it with *Ch. venustissima*, but Otto, 1999b: 264 restored it as full species); López-Campos & Vázquez-Rojas, 2010: 157

Type locality: South Africa, Bathurst

Distribution: South Africa

Chaussieria dissimilis Naudo

Chaussieria dissimilis: Naudo, 1977: 298; Otto, 1999b: 265

Type locality: St. Helena, Prosperous Bay Plain

Distribution: St. Helena

***Chaussieria domestica* (C.L.Koch)**

Erythraeus domesticus: C.L.Koch, 1847: 257

Tarsotomus domesticus: Oudemans, 1921: 358

Schellenbergia domesticus (C.L.Koch): Oudemans, 1936: 433

Schellenbergia berlesei (Oudemans): Oudemans, 1936: 434

Chaussieria domestica (C.L.Koch): Meyer & Ueckermann, 1987: 22; Otto, 1999b: 266; Shiba, 2006: 87

Erythraeus venustissimus: Berlese, 1882: fasc. 2(3); 1888: 3; Canestrini, 1885: 1652; 1886: 164; Schweizer, 1922: 81

Erythracarus venustissimus (Berlese): Type: Sicily. Vitzthum, 1928: 47; Schweizer, 1951: 66; Mihelčič, 1958a: 40; Schweizer & Bader, 1963: 266

Schellenbergia venustissima (Berlese): Oudemans, 1936: 436

Chaussieria venustissima (Berlese): Naudo, 1977: 300; Meyer & Ueckermann, 1987: 20 (in part, European material only); Ueckermann & Smith Meyer, 1988: 41; Otto & Olomski, 1994: 287

Chausseria venustissima (Berlese)(misspelling): Hutterer & Rack, 1976: 434

Tarsotomus berlesei Oudemans, 1905: 87 (syn. by Otto, 1999b: 266)

Chaussieria berlesei (Oudemans): Meyer & Ueckermann, 1987: 18

Chaussieria maritima: Evans & Browning, 1953: 419. Type: Babbacombe, South Devon, England. Meyer & Ueckermann, 1987: 22. Syn. by Otto, 1999b: 266

Type locality: Germany

Distribution: Austria, Germany, Great Britain, Greece (Crete), Holland, Iran, Italy (incl. Sicily), Japan, Russia, Spain, Switzerland, Uzbekistan

***Chaussieria pilifera* Otto**

Chaussieria pilifera Otto, 1999b: 270

Type locality: South Australia, 31 km NW of Renmark

Distribution: Australia (South Australia, Victoria, Western Australia)

***Chaussieria pulleni* Otto**

Chaussieria pulleni Otto, 1999b: 274

Type locality: 79 km NNW of Renmark, South Australia

Distribution: Australia

***Chaussieria pumila* Otto**

Chaussieria pumila Otto, 1999b: 275

Type locality: NSW, 43 km E of Balranald

Distribution: Australia (NSW, Northern Territory, South Australia, Victoria, Western Australia)

***Chaussieria sanctaehelenae* Naudo**

Chaussieria sanctaehelenae: Naudo, 1977: 292; Meyer & Ueckermann, 1987: 22; Otto, 1999b: 282

Chaussieria brevis Naudo, 1977: 298; Meyer & Ueckermann, 1987: 22. Syn. by Otto, 1999b: 283

Chaussieria benoiti Naudo, 1977: 297; Meyer & Ueckermann, 1987: 22.

Type locality: Prosperous Bay Plain

Distribution: St. Helena

***Chaussieria warregense* (Hirst)**

Tarsotomus warregense: Hirst, 1931: 562; Oudemans, 1936: 442

Schellenbergia warregense (Hirst): Oudemans, 1936: 442; Womersley, 1942: 20

Chaussieria warregense (Hirst): Naudo, 1977: 300; Meyer & Ueckermann, 1987: 18; Holm & Wallace, 1989; Otto, 1999b: 286

Type locality: Barrigun, near Warrego River, New South Wales

Distribution: Australia (New South Wales, ACT, Northern Territory, South Australia, Western Australia, Tasmania, Queensland)

Genus *Erythracarus* Berlese

Erythracarus Berlese, 1903: 26

Type species: *Trombidium ruricola* (not *parietinum* Hermann, 1804, fide Otto, 1999a)

Palaeoerythracarus Zacharda, 1985: 150 – syn. by Otto, 2000: 457

Type species: *Palaeoerythracarus sachalinensis* Zacharda, 1985

Bechsteinia Oudemans, 1936: 436 – syn. by Otto, 1999a: 828

Chabrieria Oudemans, 1936: 446 – syn. by Otto, 1999a: 828

Type species of *Bechsteinia* Oudemans: *Bechsteinia schneideri* Oudemans, 1936

Type species of *Chabrieria* Oudemans: *Tarsotomus terminalis* Banks, 1916

***Erythracarus amnicolus* Otto**

Erythracarus amnicolus Otto, 1999a: 860

Type locality: 67 km S of Menindee, N.S.W.

Distribution: Australia (N.S.W., Western Australia)

***Erythracarus avius* Otto**

Erythracarus avius Otto, 1999a: 864

Type locality: Tasmania, Peters Link Road

Distribution: Australia (Tasmania)

***Erythracarus barbarus* Otto**

Erythracarus barbarus Otto, 1999a: 865

Type locality: McNary (Arizona)

Distribution: USA (Arizona)

***Erythracarus ciliatus* Otto**

Erythracarus ciliatus Otto, 1999a: 868

Type locality: 5 km W of Cowangie, Victoria

Distribution: Australia (Victoria, Western Australia)

***Erythracarus decoris* Otto**

Erythracarus decoris Otto, 1999a: 831

Type locality: Bethungra, N.S.W.

Distribution: Australia (N.S.W., A.C.T., Victoria, Northern Territory, Western Australia)

***Erythracarus elegans* Otto**

Erythracarus elegans Otto, 1999a: 835

Type locality: 13 km NW of Goulbourn, N.S.W., road to Crookwell

Distribution: Australia (N.S.W., A.C.T., Victoria)

***Erythracarus epigeus* (C.L. Koch)**

Erythraeus epigeus C.L. Koch, 1837: 16.24; 1842: 53

Erythracarus ? *epigeus* (C.L. Koch): Oudemans, 1936: 431

Erythracarus epigeus (C.L. Koch): Otto, 1999a: 876

Type locality: along the river Danube near Regensburg

Distribution: Germany

***Erythracarus festinus* (Meyer et Ueckermann)**

Becksteinia festina: Meyer & Ueckermann, 1987: 28

Erythracarus festinus (Meyer et Ueckermann): Otto, 1999a: 840

Type locality: Transvaal, near Golela, Pongola River

Distribution: South Africa

***Erythracarus flavipes* Otto**

Erythracarus flavipes Otto, 1999a: 878

Type locality: A.C.T., Canberra, Mount Ainslie

Distribution: Australia

***Erythracarus grahami* (Meyer et Ryke)**

Becksteinia grahami: Meyer & Ryke, 1960: 184; Meyer & Ueckermann, 1987: 28

Erythracarus grahami (Meyer et Ryke): Otto, 1999a: 883

Type locality: Bathurst, near Albany, Cape Province, South Africa

Distribution: Angola, South Africa

***Erythracarus ? hirsutus* (Menge) (fossil)**

Erythraeus hirsutus Menge, 1854: 107

Erythracarus ? hirsutus (Menge): Oudemans, 1936: 432; Otto, 1999a: 884

Type locality: amber

Distribution: amber

***Erythracarus ? lagopus* (Menge) (fossil)**

Erythraeus lagopus Menge, 1854: 107

Erythracarus ? lagopus (Menge): Oudemans, 1936: 432; Otto, 1999a: 885

Type locality: amber

Distribution: amber

***Erythracarus katherinae* Otto**

Erythracarus katherinae Otto, 1999a: 841

Type locality: Burrewarra Point, N.S.W.

Distribution: Australia, incl. Tasmania

***Erythracarus longisetae* Reda**

Bechsteinia longisetae (Reda), 1991: 728

Erythracarus longisetae (Reda): Otto, 1999a:

Type locality: Egypt

Distribution: Egypt

***Erythracarus nasutus* Otto**

Bechsteinia festina: Meyer & Ueckermann, 1987: 28 (in part, misidentification)

Erythracarus nasutus Otto, 1999a: 844; Lopez-Campos & Vazquez-Rojas, 2010: 157; de

Oliveira Bernardi et al., 2010: 119

Type locality: Transvaal, Loskop Dam

Distribution: Brazil, Mexico, South Africa

***Erythracarus nobarii* (Reda)**

Bechsteinia nobarii Reda, 1991: 729

Type locality: Egypt

Distribution: Egypt

***Erythracarus parietinus* (Hermann)**

Trombidium parietinum: Hermann, 1804: 37

Erythraeus parietinus Latr.: Haller, 1882: 314

Erythraeus parietinus (Hermann): C.L. Koch, 1837: 16.23; 1842: 53 + figure 25

Tarsotomus parietinus (Herm.): Oudemans, 1906: 85
Erythracarus parietinus (Herm.): Thor, 1912: 388; Schweizer, 1951: 66; Franz, 1954: 367; Bottazzi, 1950: 29; Mihelčič, 1958a: 40; 1958b: 278
Erythraeus parietinus Herm.: Hull, 1918: 29
Erythracarus parietinum (Hermann): Oudemans, 1936: 429
Erythraeus comes Berlese, 1886: 6; syn. by Oudemans, 1906: 87 (as *Tarsotomus comes*)
Tarsotomus comes (Berlese): André, 1927: 169
Erythracarus comes (Berlese): Berlese, 1903: 26; 1920: 8; Starkoff & Starkoff, 1950: 96
Anystis parietinum: Oudemans, 1936:
Becksteinia solarii Ueckermann, 1987: 56. Type: Hamburg, Germany, Syn. by Otto, 1999a: 886
Erythraeus spinatus Banks, 1894: 210. Type: New York State, Long Island, Sea Cliff Village. Oregon. Syn. by Otto, 1999a: 886
Type locality of *E. parietinus*: France
Distribution: Algeria, Austria, France, Germany, Great Britain, Holland, Italy, Norway, Spain, Switzerland, Ukraine, USA

***Erythracarus proavus* (Menge)(fossil)**

Erythraeus proavus Menge, 1854: 107
Type locality: amber
Distribution: amber

***Erythracarus pyrrholeucus* (Hermann)**

Trombidium pyrrholeucum Hermann, 1804: 58
Erythraeus ruricola Dugès, 1834: 40; C.L. Koch, 1837: 1.5, 1842: 53; Canestrini, 1885: 1650; Berlese, 1887: No2,3. Synonymy by Oudemans, 1936: 432
Erythracarus ruricola (Dugès): Berlese, 1903: 26; Oudemans, 1936: 432; Schweizer, 1951: 66; Mihelčič, 1958a: 40; Schweizer & Bader, 1963: 266 (in part, specimen from the locality 'Scanf' only, fide Otto, 1999a: 846)
Erythracarus pyrrholeucus: Oudemans, 1936: 432; Otto, 1999a: 850 (redescription); Barber, 2018
Tarsotomus terminalis: Banks, 1916: 13. Type: Claremont, California. Syn. by Otto, 1999a: 847
Chabrieria terminalis (Banks): Oudemans, 1936: 446
Becksteinia schneideri: Type: San Remo, Italy; Oudemans, 1936: 436; Cooreman, 1946: 4000 (Italy, Cyprus); Ueckermann, 1987: 57. Syn. by Otto, 1999a: 847
Becksteinia californica McGregor, 1956: 23; Ueckermann, 1987: 56. Type: Whittier, California. Syn. by Otto, 1999a: 847
Type locality of *Erythracarus pyrrholeucus*: France

Distribution: Algeria, Australia, Cyprus, Iran, Italy, France, Spain, Ukraine, Crimea, U.S.A. (California)

Erythracarus raripilus (Menge)(fossil)

Erythraeus raripilus Menge. 1854: 107

Erythracus [sic] *raripilus* (Menge): Oudemans, 1936: 433

Erythracarus raripilus (Menge): Otto, 1999a: 894

Type locality: amber

Distribution: amber

Erythracarus sachalinensis (Zacharda) (fossil)

Palaeoerythracarus sachalinensis Zacharda, in Zacharda & Krivoluckiy, 1985: 150

Erythracarus sachalinensis (Zacharda)

Type locality: South Sachalin I., Starodubskoe (Paleogene amber)

Distribution: Russia (Sachalin)

Erythracarus tricolor (Lucas)

Erythraeus tricolor Lucas, 1846: 311

Erythracarus tricolor (Lucas): Oudemans, 1936: 433; Otto, 1999b: 895 (with “?”)

Type locality: Algeria

Distribution: Algeria

Genus ***Erythrocheylus*** Berlese

Erythrocheylus Berlese, 1903: 27

Type species: *Pseudocheylus erythraeoides* Leonardi, 1901

Erythrocheylus erythraeoides (Leonardi)

Pseudocheylus erythraeoides Leonardi in Berlese & Leonardi, 1901: 110

Erythrocheylus erythraeoides (Leonardi, 1901): Berlese, 1903:

Type locality: Funchal

Distribution: Chile

Erythrocheylus littoralis Berlese

Erythrocheylus littoralis Berlese, 1903: 27

Type locality: Italy

Distribution: Italy

Genus ***Lacteoscythis*** Pogrebnjak

Lacteoscythis Pogrebnjak, 1995: 11

Type species: *Lacteoscythis arenaria* Pogrebnjak, 1995

Lacteoscythis arenaria Pogrebnjak

Lacteoscythis arenaria Pogrebnyak, 1995: 11

Type locality: Black Sea Natural Reserve (south part of Ukraine)

Distribution: Ukraine

Genus ***Namadia*** Meyer et Ueckermann

Namadia Meyer & Ueckermann, 1987: 32

Type species: *Namadia floreata* Meyer et Ueckermann, 1987

Namadia floreata Meyer et Ueckermann

Namadia floreata Meyer & Ueckermann, 1987: 32

Type locality: Gamoepe

Distribution: South Africa

Genus ***Paratarsotomus*** Kuznetsov

Paratarsotomus Kuznetsov, 1983: 91

Type species: *Paratarsotomus scutellatus* Kuznetsov, 1983

Paratarsotomus behningii (Thor)

Tarsotomus behningii Thor, 1912a: 471 (the species is named after A. Behning); Oudemans, 1936: 441

Paratarsotomus behningii (Thor): Otto, 1999c: 797

Type locality: “in einem Nebenteich des Salzsees Baskuntschak”, Russia

Distribution: Russia

Paratarsotomus callunae (Oudemans)

Tarsotomus callunae Oudemans, 1936: 438; Meyer & Ueckermann, 1987: 26

Paratarsotomus callunae (Oudemans): Otto, 1999c: 797

Type locality: Bergen-op-Zoom, Noord - Brabant

Distribution: Holland

Paratarsotomus macropalpis (Banks)

Tarsotomus macropalpis: Banks, 1916: 13

Paratarsotomus macropalpis (Banks): Otto, 1999c: 798; Abdelgayed et al., 2019: 31

Type locality: Claremont, California

Distribution: California (USA), Egypt

Paratarsotomus sabulosus (Berlese)

Erythraeus sabulosus Berlese, 1885: No 7; 1886: fa. 29; Schweizer, 1922: 81

Tarsotomus sabulosus (Berlese): Oudemans, 1936: 411

Erythracarus sabulosus (Berl.): Berlese, 1903: 26; Mihelčič, 1958b: 278

Erythracarus sabulosus var. *oelandicus* Trägårdh, 1915: 126. Oeland Insel. Syn. by Otto, 1999c: 800

Tarsotomus rackae: Meyer & Ueckermann, 1987: 26 -Type locality: Oberweiden, Austria. Syn. by Otto, 1999c: 800

Tarsotomus oelandicus (Trägårdh): Oudemans, 1936: 442. Syn. by Otto, 1999c: 800

Paratarsotomus sabulosus (Berlese): Otto, 1999c: 800; Ueckermann et al., 2006: 255

Type locality: Italy

Distribution: Austria, Germany, Italy, Spain, Sweden, Ukraine, Yemen

***Paratarsotomus scutellatus* Kuznetsov**

Paratarsotomus scutellatus Kuznetsov, 1983: 91; Otto, 1999c: 802; Lopez-Campos & Vazquez-Rojas, 2010: 157

Type locality: Uzbekistan

Distribution: Mexico, Uzbekistan

Genus ***Pedidromus* Otto**

Pedidromus Otto, 2000: 458

Type species: *Pedidromus peliculus* Otto, 2000

***Pedidromus agitatedus* Otto**

Pedidromus agitatedus Otto, 2000: 459

Type locality: N.S. Wales, 80 km East of Hay

Distribution: Australia (NSW, Northern Territory, Western Australia)

***Pedidromus curiosus* Otto**

Pedidromus curiosus Otto, 2000: 460

Type locality: 12 km SW of Calperum, South Australia

Distribution: Australia

***Pedidromus durongensis* Otto**

Pedidromus durongensis Otto, 2000: 461

Type locality: 8 km NW of Durong, Queensland

Distribution: Australia

***Pedidromus peliculus* Otto**

Pedidromus peliculus Otto, 2000: 462

Type locality: N.S. Wales, 43 km East of Balranald

Distribution: Australia (NSW, South Australia)

***Pedidromus pilotrix* Otto**

Pedidromus pilotrix Otto, 2000: 462

Type locality: 10 km SSW of Warren, NSW

Distribution: Australia

***Pedidromus velox* Otto**

Pedidromus velox Otto, 2000: 464

Type locality: Taplan, South Australia

Distribution: Australia (South Australia, Western Australia, Queensland, Victoria)

Genus ***Siblyia*** Oudemans

Siblyia Oudemans, 1936: 445

Type species: *Erythraeus ignipes* Dugès, 1834

***Siblyia ignipes* (Dugès)**

Erythraeus ignipes: Dugès, 1834: 43

Siblyia ignipes (Dugès): Oudemans, 1936: 445

Type locality: ? Montpellier, France

Distribution: France

Genus ***Tarsolarkus*** Thor

Tarsolarkus Thor, 1912a: 466

Tarsolarcus Thor, 1912a: 465

Neotarsolarcus Kuznetsov, 1983: 87. Syn. by Otto, 2000: 470. Type: *Neotarsolarcus clypeatus* Kuznetsov, 1983, Tadjikistan and Russia.

Type species: *Tarsolarkus articulatus* Thor, 1912

***Tarsolarkus articulatus* Thor**

Tarsolarkus articulatus: Thor, 1912a: 466; Irk, 1939: 154; Sellnick, 1949: 128; Willmann, 1951b: 147; Hull, 1918: 30; Irk, 1939: 154; Oudemans, 1936: 444; Sellnick, 1949: 128; Franz, 1954: 367; Schmölzer, 1956: 548; Mehl, 1979: 36; Otto, 2000: 470

Tarsolarcus articulatus: Willmann, 1951b: 147

Erythracarus cluozzai Schweizer & Bader, 1963: 265. Type: Switzerland, Val Cluozza, 2100 m; syn. by Otto, 1999a: 896

Tarsolarkus oudemansi Barilo, 1984a: 1006 from Uzbekistan. Syn. by Otto, 2000: 470

Type locality: Norway (many places)

Distribution: Austria, France, Great Britain, Norway, Sweden, Switzerland, Uzbekistan

***Tarsolarkus clypeatus* (Kuznetsov)**

Neotarsolarcus clypeatus Kuznetsov, 1983: 88

Tarsolarkus clypeatus (Kuznetsov): Otto, 2000: 470

Type locality: Russia

Distribution: Russia, Tajikistan

***Tarsolarkus longisetus* Barilo**

Tarsolarkus longisetus Barilo, 1984a: 1004; Otto, 2000: 472

Type locality: 8 km East of Samarkand

Distribution: Uzbekistan

***Tarsolarkus* sp.** – Yemen (Ueckermann et al., 2006)

Genus ***Tarsotomus* Berlese**

Tarsotomus Berlese, 1882: 2

Type species: *Erythraeus hercules* Berlese, 1882

Anandia Hirst, 1927: 445 – syn. by Otto, 1999c: 751

Type species: *Anandia alticola* Hirst, 1927

Absoloniana Willmann, 1940: 215 – syn. by Otto, 1999c: 751

Type species: *Absoloniana diversipes* Willmann, 1940

Paranandia Meyer & Ueckermann, 1987: 34 – syn. by Otto, 1999c: 751

Type species: *Anandia bathurstensis* Meyer et Ryke, 1960

Parabsolonia Barilo, 1984: 1736 – syn. by Otto, 1999c: 751

Type species: *Parabsolonia ignicola* Barilo, 1984

***Tarsotomus abruptus* Otto**

Tarsotomus abruptus Otto, 1999c: 756

Type locality: 10 km SSW of Warren, NSW

Distribution: Australia (NSW, ACT, Victoria)

***Tarsotomus aiolos* Otto**

Tarsotomus aiolos Otto, 1999c: 758

Type locality: 64 km SE of Cooya Pooya Homestead, Western-Australia

Distribution: Australia (WA)

***Tarsotomus aleantis* Otto**

Tarsotomus aleantis Otto, 1999c: 759

Type locality: Millstream Chichester National Park; Western-Australia

Distribution: Australia (WA)

***Tarsotomus alticolus* (Hirst)**

Anandia alticola: Hirst, 1927: 445; Oudemans, 1936: 445; Meyer & Ryke, 1960: 180; Meyer & Ueckermann, 1987: 22

Tarsotomus alticolus (Hirst): Otto, 1999c: 785

Type locality: “Upper Rombok, Mount Everest, 4950 m”, Tibet

Distribution: Tibet (China)

Tarsotomus ambitus* OttoTarsotomus ambitus* Otto, 1999c: 762

Type locality: Millstream Chichester National Park; Western-Australia

Distribution: Australia (WA)

Tarsotomus amentatus* (Barilo)Absoloniana amentata*: Barilo, 1984a: 1009; Meyer & Ueckermann, 1987: 24*Tarsotomus amentatus* (Barilo): Otto, 1999c: 786; Ueckermann et al., 2006: 255

Type locality: Dzhabbayski Region, Samarkandskaya oblast (Uzbekistan)

Distribution: Uzbekistan, Yemen

Tarsotomus anubis* OttoTarsotomus anubis* Otto, 1999c: 763

Type locality: 8 km W of Underbool, road to Murrayville; Victoria

Distribution: Australia (Victoria, Northern Territory, South Australia)

Tarsotomus argillus* OttoTarsotomus argillus* Otto, 1999c: 767

Type locality: 3 km east of Swan Hill; Victoria

Distribution: Australia (Victoria, NSW, South Australia)

Tarsotomus bathurstensis* (Meyer et Ryke)Anandia bathurstensis*: Meyer & Ryke, 1960: 182*Paranandia bathurstensis* (Meyer et Ryke): Meyer & Ueckermann, 1987: 35*Tarsotomus bathurstensis* (Meyer et Ryke): Otto, 1999c: 751

Type locality: Albany District, Bathurst, Cape Province

Distribution: South Africa

Tarsotomus bestiolus* (Barilo)Absoloniana bestiola* Barilo, 1984b: 1734; Meyer & Ueckerman, 1987: 24*Tarsotomus bestiolus* (Barilo): Otto, 1999c: 786

Type locality: Uzbekistan

Distribution: Uzbekistan

Tarsotomus colossus* OttoTarsotomus colossus* Otto, 1999c: 769

Type locality: Mount Newman, Balfour Downs; Western-Australia

Distribution: Australia (WA, Western Australia)

Tarsotomus comosus* OttoTarsotomus comosus* Otto, 1999c: 771

Type locality: 10 km SSW of Warren, NSW

Distribution: Australia (NSW)

***Tarsotomus desertorus* Otto**

Tarsotomus desertorus Otto, 1999c: 772

Type locality: 32 km south of Murrayville, road to Nhill; Victoria

Distribution: Australia (Victoria, NSW, Northern Territory, South Australia)

***Tarsotomus dianellus* Otto**

Tarsotomus dianellus Otto, 1999c: 775

Type locality: south of Walpeup, road to Patchewollock; Victoria

Distribution: Australia (Victoria, NSW, South Australia)

***Tarsotomus dioxis* Otto**

Tarsotomus dioxis Otto, 1999c: 777

Type locality: 80 km east of Hay (NSW)

Distribution: Australia (NSW)

***Tarsotomus erraticus* Banks**

Tarsotomus erraticus: Banks, 1912: 441; Oudemans, 1936: 441; Otto, 1999c: 787

Type locality: Springer, New Mexico

Distribution: USA (New Mexico)

***Tarsotomus heliophilus* Otto**

Tarsotomus heliophilus Otto, 1999c: 778

Type locality: 14 km north of Balranald, road to Ivanhoe; New-South-Wales

Distribution: Australia (NSW, Victoria, South Australia, Western Australia)

***Tarsotomus hercules* (Berlese)**

Erythraeus hercules: Berlese, 1882: fa. 2; 1888: 3

Tarsotomus hercules (Berlese): Trägårdh, 1905: 64; Oudemans, 1936: 441; Starkoff & Starkoff, 1950: 96; Cooreman, 1955: 123; Bottazzi, 1950: 30; Mihelčič, 1958a: 40; Ueckermann et al., 2006: 255

Absoloniana diversipes: Willmann, 1940: 215; 1941: 56; Barilo, 1984a: 1007; Meyer & Ueckermann, 1987: 24 -Type locality: Cave Čančarica, Bjelashnica planina, South Bosna. Syn. by Otto, 1999c: 787

Type locality of *Erythraeus hercules*: Sicily, Acireale

Distribution: Bosnia, Egypt, France, Iran, Italy, Salamin Is. (Greece), Sicily, Spain, Sudan, Switzerland, Ukraine, Uzbekistan, Yemen

***Tarsotomus ignicola* (Barilo)**

Parabsolonina ignicola Barilo, 1984: 1738

Tarsotomus ignicolus (Barilo): Otto, 1999c: 789

Type locality: Uzbekistan

Distribution: Ukraine, Uzbekistan

***Tarsotomus nivalis* (Schweizer)**

Erythraeus hercules var. *nivalis* Schweizer, 1922: 80

Tarsotomus nivalis: Oudemans, 1936: 441; Bottazzi, 1951: 222

Type locality: Alps (2760 - 3000 m)

Distribution: Italy, Switzerland (Cima del Pezzacul, 2300 m)

***Tarsotomus pentagoneus* (Meyer et Ueckermann)**

Absoloniana pentagonea: Meyer & Ueckermann, 1987: 24

Tarsotomus pentagoneus Otto, 1999c: 789

Type locality: Malelane and Pongola, Transvaal, South Africa

Distribution: South Africa

***Tarsotomus primitivus* Otto**

Tarsotomus primitivus Otto, 1999c: 790

Type locality: 32 km south of Murrayville, road to Nhill; Victoria

Distribution: Australia (Victoria)

***Tarsotomus pusillus* Otto**

Tarsotomus pusillus Otto, 1999c: 779

Type locality: 64 km SE of Cooya Pooya Homestead, Western-Australia

Distribution: Australia (WA)

***Tarsotomus pygmaeus* Otto**

Tarsotomus pygmaeus Otto, 1999c: 781

Type locality: Kurunjini (Hamersley Range) National Park; Western Australia

Distribution: Australia (WA)

***Tarsotomus solatus* Otto**

Tarsotomus solatus Otto, 1999c: 781

Type locality: Uluru National Park, Mount Olga, Northern Territory

Distribution: Australia (NT)

***Tarsotomus undulatus* (Mahunka et Mahunka-Papp)**

Diversipes undulatus Mahunka & Mahunka-Papp, 1993: 326

Tarsotomus undulatus (Mahunka et Mahunka-Papp):

Type locality: Madagascar

Distribution: Madagascar

Tarsotomus velopes* OttoTarsotomus velopes* Otto, 1999d: 783

Type locality: north of Roebourne; Western-Australia

Distribution: Australia (WA)

***Tarsotomus* sp.** – Mexico (López-Campos & Vázquez-Rojas, 2010)

Index of Anystidae and Erythracaridae

(Names in **bold** are accepted as valid)***abruptus***, *Tarsotomus* 266*Absoloniana* 266*Actineda* 249*agilis*, *Actineda* 249***agilis***, *Anystis* 249***agitatus***, *Pedidromus* 264***aiolos***, *Tarsotomus* 266***aleantis***, *Tarsotomus* 266*alticola*, *Anandia* 266***alticolus***, *Tarsotomus* 266***ambitus***, *Tarsotomus* 267*amentata*, *Absoloniana* 267***amentatus***, *Tarsotomus* 267***amnicolus***, *Erythracarus* 258*Anandia* 266***andrei***, *Anystis* 250*antiguensis*, *Actineda* 255***antiguensis***, *Walzia* 255***anubis***, *Tarsotomus* 267*Anystes* 250**Anystidae** 249**Anystinae** 249***Anystis*** 249***aprica***, *Chaussieria* 256***arenaria***, *Lacteoscythis* 262***argillus***, *Tarsotomus* 267*articulosus*, *Tarsolarcus* 265***articulosus***, *Tarsolarkus* 265***australica***, *Walzia* 255***Autenriethia*** 253***avius***, *Erythracarus* 258*baccarum*, *Acarus* 250*baccarum*, *Actineda* 250***baccarum***, *Anystis* 250***barbarus***, *Erythracarus* 259***Barellea*** 253*bathurstensis*, *Anandia* 267*bathurstensis*, *Paranandia* 267***bathurstensis***, *Tarsotomus* 267*Bechsteinia* 258***behningii***, *Paratarsotomus* 263*behningii*, *Tarsotomus* 263*benoiti* *Chaussieria* 258***berlesei***, *Anystis* 250***berlesei***, *Chaussieria* 256*berlesei*, *Chausseria* 256*berlesei*, *Schellenbergia* 256*berlesei*, *Tarsotomus* 257***besselingi*** *Tencateia* 254*bestiola* *Absoloniana* 267***bestiolus***, *Tarsotomus* 267***borussica***, *Anystis* 250*brevis*, *Chaussieria* 258*californica*, *Bechsteinia* 261***callunae***, *Paratarsotomus* 263*callunae* *Tarsotomus* 263*capensis* *Chaussieria* (?) 256*Chabrieria* 258

Chaussieria 256*Chausseria* 256**ciliatus, Erythracarus** 259**citreola, Anystis** 250*cluozzai, Erythracarus* 265*clypeatus, Neotarsolarcus* 265**clypeatus, Tarsolarkus** 265*coccinea, Actineda* 250**colossus, Tarsotomus** 267*comes, Erythracarus* 261*comes, Erythraeus* 261*comes, Tarsotomus* 261**comosus, Tarsotomus** 267*cornigera, Actineda* 251**cornigerum, Anystis** 251*cornigerum, Trombidium* 251*cornigerus, Erythraeus* 251*cornutum, Trombidium* 251**cornutum, Anystis** 251**curiosus, Pedidromus** 264**cursorium, Anystis** 251*cursorium, Trombidium* 251**darjeelingensis, Walzia** 255**decoris, Erythracarus** 259**desertorus, Tarsotomus** 268**dianellus, Tarsotomus** 268**dioxis, Tarsotomus** 268**dissimilis, Chaussieria** 256*diversipes, Absoloniana* 268**domestica, Chaussieria** 257*domesticus, Erythraeus* 257*domesticus, Schellenbergia* 257*domesticus, Tarsotomus* 257**durongensis, Pedidromus** 264*elegans, Erythracarus* 259**epigeus, Erythracarus** 259**epigeus, Erythraeus** 259*erraticus, Tarsotomus* 268**Erythracaridae** 256*Erythracarinae* 256**Erythracarus** 258*erythraeoides, Pseudocheylus* 262**erythraeoides, Erythrocheylus** 262**Erythrocheylus** 262*festina, Bechsteinia* 259, 260**festinus, Erythracarus** 259*flaveola, Actineda* 249**flavipes, Erythracarus** 259**floreata, Namadia** 262**gauthieri, Scharfenbergia** 253**germanica, Anystis** 251*grahami, Bechsteinia* 259**grahami, Erythracarus** 259**hammeni, Walzia** 255**heliophilus, Tarsotomus** 267*hercules, Erythraeus* 267**hercules, Tarsotomus** 267*hilaris, Actineda* 253**hilaris, Scharfenbergia** 253*hirsutus, Erythracarus* (?) (fossil) 259*ignicola, Parabsolonia* 267**ignicolus, Tarsotomus** 267*ignipes, Erythraeus* 264**ignipes, Siblyia** 264**indiana, Walzia** 255**indica, Anystis** 251*jabanica, Actineda* 251**jabanica, Anystis** 251**kanthiensis, Tencateia** 254**katherinae, Erythracarus** 259**kochi, Anystis** 252**Lacteoscythis** 261**lagopus, ? Erythracarus** (fossil) 259**lahorensis, Anystis** 251**langei, Anystis** 251**littoralis, Erythrocheylus** 261*longisetae, Bechsteinia* 259**longisetae, Erythracarus** 259*longisetus, Tarsolarcus* 264**longisetus, Tarsolarkus** 264**macropalpis, Paratarsotomus** 262*macropalpis, Tarsotomus* 262

- maritima*, *Chaussieria* 256
Mesoanystis (fossil) 253
nagalandensis, *Anystis* 251
Namadia 262
nasutus, *Erythracarus* 260
Neoaegyptocus
Neotarsolarcus 264
nepenthus, *Snartia* 254
nivalis, *Erythraeus hercules* var. 268
nivalis, *Tarsotomus* 268
nobarii, *Bechsteinia* 260
nobarii, *Erythracarus* 260
oelandicus, *Erythracarus sabulosus* var. 262
oelandicus, *Tarsotomus* 262
oudemansi, *Tarsolarkus* 264
Paleoerythracarus (fossil) 257
pallescens, *Actineda* 251
pallescens, *Anystis* 251
Parabsolonia 265
Paranandia 265
Paratarsotomus 262
parietinum, *Trombidium* 260
parietinum, *Anystis* 260
parietinus, *Erythraeus* 256
parietinus, *Erythracarus* 260
parietinus, *Tarsotomus* 260
Pedidromus 263
peliculus, *Pedidromus* 263
pentagonea, *Absoloniana* 268
pentagoneus, *Tarsotomus* 268
pilifera, *Chaussieria* 257
pilotrix, *Pedidromus* 263
pini, *Actineda* 249
primitivus, *Tarsotomus* 268
proavus, *Erythracarus* (fossil) 261
proavus, ? *Erythraeus* 261
pulleni, *Chaussieria* 256
pumila, *Chaussieria* 256
pusillus, *Tarsotomus* 269
pygmaeus, *Tarsotomus* 269
pyrrholeucum, *Trombidium* 260
pyrrholeucus, *Erythracarus* 261
rackae, *Tarsotomus* 264
raripilus, *Erythracus* [sic](fossil) 262
raripilus, *Erythracarus* 261
robuscula, *Actineda* 251
rosae, *Anystis* 252
rubis, *Actineda* 251
ruricola, *Erythracarus* 261
ruricola, *Erythraeus* 261
sabulosus, *Erythraeus* 263
sabulosus, *Erythracarus* 264
sabulosus, *Paratarsotomus* 262
sabulosus, *Tarsotomus* 262
sachalinensis, *Erythracarus* 262
sachalinensis, *Paleoerythracarus* (fossil) 262
salicinus, *Acarus* 252
salicinus, *Anystis* 252
sanctaehelenae, *Chaussieria* 258
Scharfenbergia 254
Schellenbergia 256
schneideri, *Bechsteinia* 261
scutellatus, *Paratarsotomus* 264
sellnicki, *Anystis* 252
Siblyia 265
sinensis, *Anystis* 253
sinensis, *Barellea* 253
Snartia 254
solarii, *Bechsteinia* 261
solatus, *Tarsotomus* 269
spinatus, *Erythraeus* 261
Tarsolarcus 265
Tarsolarkus 265
Tarsotomus 266
taymirensis, *Mesoanystis* (fossil)(254)
Tencateia 254
terminalis, *Chabrieria* 261
terminalis, *Tarsotomus* 261
toxopei, *Tencateia* 255
triangularis, *Actineda* 249
tricolor, *Erythraeus* 262
tricolor, *Erythracarus* (?) 262

undulatus, *Diversipes* 269
undulatus, *Tarsotomus* 269
velopes, *Tarsotomus* 270
velox, *Actineda* 253
velox, *Autenriethia* 253
velox, *Pedidromus* 265
venustissima, *Chaussieria* 256
venustissimus, *Erythracarus* 257
venustissimus, *Erythraeus* 257
venustissimus, *Schellenbergia* 257
venustula, *Actineda* 252

venustula, *Anystis* (fossil) 252
villosa, *Tencateia* 255
vitis, *Acarus* 253
vitis, *Actineda* 253
vitis, *Anystis* 253
voigtsi, *Anystis* 253
wallacei, *Anystis* 253
Walzia 255
warregense, *Chaussieria* 258
warregense, *Schellenbergia* 258
warregense, *Tarsotomus* 258

Distribution of Anystidae and Erythracaridae

EUROPE

- Austria** (Irk, 1939; Willmann, 1951a, 1951b; Hutterer & Rack, 1976; Meyer & Ueckermann, 1987; Otto, 1999b) – *Anystis baccharum*, *Chaussieria berlesei*, *Ch. domestica* (= *venustissima*), *Tarsolarkus articulatus*, *Paratarsotomus sabulosus* (= *Tarsotomus rackae*), *Tencateia toxopei*
- Belgium** (Cooreman, 1943) – *Anystis baccharum*
- Bosna and Herzegovina** (Willmann, 1940, 1941) – *Tarsotomus hercules* (= *Absoloniana diversipes*)
- Bulgaria** (Beron, in prep.)
- Czech Rep.** (Willmann, 1954) – *Anystis baccharum*, *Tencateia besselingi*
- Denmark** (Hallas, 1978) -
- Feroes Is.** (Trägårdh, 1931) – *Anystis baccharum*
- France** (contin.)(Hermann, 1804; Dugès, 1834; Gervais, 1844; Oudemans, 1936; Schmölzer, 1956; Otto, 1992, 1999b) – *Anystis andrei*, *A. cornigerum*, *A. cornutum*, *A. cursorium*, *A. salicinus*, *A. wallacei*, *Erythracarus parietinus*, *Scharfenbergia hilaris*, *Siblyia ignipes*, *Tarsolarkus articulatus*, *Tarsotomus hercules*
- Germany** (C.L. Koch, 1836, 1842, 1847; Haller, 1882; Oudemans, 1936; Ueckermann, 1987; Otto, 1999b) - *Anystis baccharum*, *A. salicinus*, *A. voigtsi*, *Chaussieria domestica* (= *venustissima*), *Erythracarus epigeus*, *E. parietinus* (= *Bechsteinia solarii*), *Paratarsotomus sabulosus*, *Scharfenbergia hilaris*
- Great Britain** (Thor, 1912a; Hull, 1918; Evans & Browning, 1953; Otto, 1999b; Cuthbertson, Bell & Murchie, 2003; Cuthbertson & Murchie, 2004a, b, 2007, 2010) – *Anystis baccharum*, *A. salicinus*, *A. cornigerum*, *A. cursorium*, *Chaussieria domestica* (= *maritima*), *Erythracarus parietinus*, *Tarsolarkus articulatus*
- Greece** (Sellnick, 1931) - *Anystis baccharum*
- Crete** (Hutterer, 1978) - *Chaussieria domestica* (= *venustissima*)

- Salamine** (Cooreman, 1955) – *Tarsotomus hercules*
- Holland** (Oudemans, 1906, 1936) – *Anystis salicinus*, *Chaussieria domestica*, *Erythracarus parietinus*, *Tencateia besselingi*, *Paratarsotomus callunae*
- Hungary** (Dudich et al., 1940; Ripka et al., 2002) – *Anystis baccharum*
- Iceland** (Sellnick, 1940) – *Anystis baccharum*
- Ireland** (Halbert, 1915) – *Anystis vitis*
- Italy** (contin.) (Berlese, 1886; Oudemans, 1936; Starkoff & Starkoff, 1950; Bottazzi, 1950, 1951; Castagnoli & Nannelli, 1995; Otto, 1999b) – *Anystis agilis*, *A. baccharum*, *A. conigerum*, *A. pallescentis*, *A. vitis*, *Erythracarus parietinus* [= *comes*], *E. pyrrholeucus* (= *E. [Bechsteinia] schneideri*), *Chaussieria domestica*, *Tarsotomus hercules*, *T. nivalis*
- Sicily** (Berlese, 1882; Bottazzi, 1950; Otto, 1999b) – *Chaussieria domestica*, *Erythracarus pyrrholeucus*, *Tarsotomus hercules*
- Latvia** (Kuznetsov & Petrov, 1984; Petrova, Salmane & Čudare, 2004) – *Anystis baccharum*
- Norway** (Thor, 1912a, 1912b, 1912c) – *Anystis baccharum*, *Erythracarus parietinus* (= *comes*), *Tarsolarkus articulosus*
- Portugal (cont.)** (Halliday, 2005) – *Anystis wallacei*
- Madeira** (Willmann, 1939) – *Anystis baccharum*
- Romania** (Călugăr & Ivan, 2016) – *Anystidae*
- Russia** (all, continent.) (Thor, 1912; Oudemans, 1936; Lange, Drozdovskij & Bushkovskaya, 1974a, b; Kuznetsov, 1983; Meyer & Ueckermann, 1987) – *Anystis borussica*, *A. germanica*, *A. sellnicki* (from Kaliningrad District), *Chaussieria domestica* (= *venustissima*), *Paratarsotomus behningii*, *Tarsolarkus clypeatus*
- Crimea** (Otto, 1999a) – *Erythracarus pyrrholeucus*
- Sachalin** (Zacharda, 1985; Otto, 2000) – *Erythracarus [Palaeoerythracarus] sachalinensis*
- Serbia** (Mladenović et al., 2013) – *Anystis* sp.
- Spain** (cont.) (Mihelčič, 1958a, 1958b; Otto, 1992) – *Anystis baccharum*, *A. wallacei*, *Chaussieria domestica* (= *venustissima*), *Erythracarus parietinus*, *E. pyrrholeucus* (= *ruricola*), *Tarsotomus hercules*
- Sweden** (Linnaeus, 1758; Trägårdh, 1915; Sellnick, 1949) – *Anystis baccharum*, *A. salicinus*, *Paratarsotomus sabulosus* [Öland, as “var. oelandicus Träg.”], *Tarsolarkus articulosus*
- Switzerland** (Schweizer, 1922; Schweizer & Bader, 1963) – *Anystis baccharum*, *Chaussieria domestica* (= *venustissima*), *Erythracarus parietinus*, *E. pyrrholeucus* (= *ruricola*), *Tarsolarkus articulosus* (= *Erythracarus cluozzai* Schweizer et Bader), *Tarsotomus hercules* (= *T. nivalis*)
- Turkey** (Ülgentürk, Szentkirályi et al. 2013) – *Anystis baccharum*
- Ukraine** (Pogrebnyak, 1995; Otto, 1999a, 1999b) – *Erythracarus parietinus*, *E. pyrrholeucus*, *Lacteoscythis arenaria*, *Paratarsotomus sabulosus*, *Tarsotomus hercules*, *T. ignicolus*

AFRICA

- Algeria** (Lucas, 1946; Berlese, 1886; André, 1927; Oudemans, 1936) – *Anystis baccharum*, *Scharfenbergia gauthieri*, *Erythracarus parietinus* [*Tarsotomus comes*], *E. tricolor*
- Angola** – *Erythracarus [Bechsteinia] grahami*

Egypt (Trägårdh, 1905; Reda, 1991; Reda & Gomma, 1991; Abdelgayed, Abd El-Wahed, Ali & Eraky, 2019) – *Anystis baccharum*, *Paratarsotomus macropalpis*, *Erythracarus nobarii*, *Tarsotomus hercules*, *Erythracarus nobarii*, *Neoaegyptocus chelicifurcata*

Malawi (Meyer & Ueckermann, 1987) – *Chaussieria domestica* (= *venustissima*)

Morocco (Otto, 1992) – *Anystis wallacei*

Reunion (Quilici, Kreiter, Ueckermann & Vincenot, 1997) – 2 sp.

Sainte-Helene (Naudo, 1977; Meyer & Ueckermann, 1987; Otto, 1999b: 182) – *Anystis baccharum*, *A. berlesei*, *A. kochi*, *Chaussieria dissimilis*, *Ch. sanctaehelenae* (= *brevis*, = *benoitii*)

South Africa (Oudemans, 1936; Meyer, 1973; Meyer & Ueckermann, 1987; Ueckermann, 1987; Ueckermann & Meyer Smith, 1988; Otto, 1999a, 1999b; Halliday, 2005) – *Anystis baccharum*, *A. wallacei* (introduced), *Erythracarus* [*Bechsteinia*] *grahami*, *Erythracarus festinus* (= *Bechsteinia festina*), *Chaussieria domestica* (= *venustissima*), *Ch. capensis*, *Namadia floreata*, *Tarsotomus bathurstensis*, *Tarsotomus* [*Absoloniana*] *pentagonea*, *Tencateia villosa*, *Walzia hammeri*

Sudan (Trägårdh, 1905) – *Tarsotomus hercules*

Tanzania (Evans, 1953) – *Anystis baccharum*

Tunisia (Kreiter et al., 2002) – *Anystis baccharum*

ASIA

China (Berlese, 1923; Hirst, 1927; Su et al., 2006; Zeng et al., 2007; Zhang & Hong, 2010) – *Anystis baccharum*, *A. salicinus*, *A. wallacei*, *Tarsotomus* [*Anandia*] *alticola* (Tibet), *Barellea sinensis*, *Walzia australica*

Cyprus (Cooreman, 1946) – *Erythracarus* [*Bechsteinia*] *pyrrholeucus* (= *schneideri*)

India (Meyer & Ueckermann, 1987; Gupta, 1991, 1992, 2002) – *Anystis baccharum*, *A. indica*, *A. nagalandensis*, *Tencateia kanthiensis*, *Walzia derjeelingensis*, *W. indiana*

Indonesia (Berlese, 1905; Oudemans, 1936; Holm & Wallace, 1989;) – *Anystis* [*Actineda*] *jabanica* (Jawa), *Snartia nepenthus* (Sumatra)

Iran (Otto, 1999a, 1999b) – *Erythracarus pyrrholeucus*, *Chaussieria domestica*, *Tarsotomus hercules*

Israel and Palestina – *Anystis baccharum*

Japan (Shiba, 1969, 1976, 2006) – *Anystis baccharum*, *A. salicinus*, *Tencateia toxopei*, *Chaussieria domestica*, *Erythracarus* [*Bechsteinia*] sp.

Okinawa (Kishida, 1959) – *Erythracarus simku* (*nomen nudum*)

Korea (Lee Kim & Kim, 1995) – *Anystis baccharum*

Malaysia (Berlese, 1905; Vitzthum, 1926) – *Anystis baccharum*, *Autenriethia velox*

Syria (Barbar, 2018) – *Anystis wallacei*, *Erythracarus pyrrholeucus*

Tajikistan (Kuznetsov, 1983) – *Tarsolarkus clypeatus*

Uzbekistan (Barilo, 1984a, 1984b; Otto, 1999b) – *Paratarsotomus scutellatus*, *Chaussieria domestica*, *Tarsotomus* [*Absoloniana*] *amentata*, *T. [A.] bestiola*, *T. hercules* (= *Absoloniana diversipes*), *T. [Parabsoloniana] ignicola*, *Tarsolarkus longisetus*

Yemen (Ueckermann et al., 2006) – *Anystis baccharum*, *Erythracarus* sp. near *nasutus*, *E.* sp. near *parietinus*, *Paratarsotomus sabulosus* *Tarsolarkus* sp., *Tarsotomus amentatus*, *T. hercules*

NORTH AMERICA

Canada (Hardman et al., 1885) - *Anystis baccharum*

Mexico (Vitzthum, 1933; López- Campos & Vázquez-Rojas, 2010) – *Anystis baccharum*, *Chaussieria capensis*, *Erythracarus nasutus*, *Paratarsotomus sculellatus*, *Tarsotomus* sp., new genera 1 and 2

USA (Banks, 1894, 1895, 1907, 1912, 1916; Ewing, 1909; Miller, 1925; McGregor, 1956; Sorensen, Kinn, Doult & Cate, 1976; Otto, 1999a) – *Anystis agilis*, *A. baccharum*, *Erythracarus barbarus*, *E. parietinus*, *Erythracarus pyrrholeucus* [= *Tarsotomus* [*Bechsteinia*] *terminalis*, = *Bechsteinia californica*], *Tarsotomus erraticus*, *Paratarsotomus macropalpis*

SOUTH and CENTRAL AMERICA

Bermuda Isls (Banks, 1903) – *Anystis agilis*

Brazil (de Oliveira Bernardi et al., 2010) – *Erythracarus nasutus*

Chile (contin.)(Leonardi, in Berlese & Leonardi, 1901) - *Anystidae*

Juan Fernandez Is. (Trägårdh, 1931) – *Anystis baccharum*

Costa Rica (Banks, 1916) - *Anystidae*

Guatemala (Stoll, 1886, 1887) – *Anystis citreola*, *Walzia antiguensis*

Venezuela (Oudemans, 1936) – *Walzia antiguensis*

OCEANIA

Australia (continent)(Hirst, 1931; Womersley, 1933, 1942; Holm & Wallace, 1989; Otto & Halliday, 1991; Otto, 1992, 1999b,c; Halliday, 1998) – *Anystis baccharum*, *A. jabanica*, *A. wallacei* [intr.], *Chaussieria pilicola*, *Ch. puleni*, *Ch. pumila*, *Ch. warregense*, *Erythracarus amnicolus*, *E. ciliatus*, *E. decoris*, *E. elegans*, *E. flavipes*, *E. katherinae*, *E. pyrrholeucus*, *Pedidromus agitatedus*, *P. curiosus*, *P. durongensis*, *P. peliculus*, *P. pilotrix*, *P. velox*, *Tarsotomus anubis*, *T. argillus*, *T. colossus*, *T. comosus*, *T. desertorus*, *T. dianellus*, *T. dioxis*, *T. heliophilus*, *T. primitivus*, *T. pusillus*, *T. solatus*, *Walzia australica*

Tasmania (Otto, 1999a,b) – *Erythracarus avium*, *Chaussieria warregense*

Papua New Guinea (Canestrini, 1898) – “*Actineda vitis*”

Bibliography on Anystidae and Erythracaridae

Abdelgayed S. A., N. M Abd El-Wahed, A. M. Ali, S. Eraky. 2019. Species Composition and Diversity of Mites Inhabiting Pomegranate Orchards at Assiut, Upper Egypt. - *Acarines*, 13: 29-36.

- André M. 1927. Acariens recueillis en Algérie et en Tunisie par M. H. Gauthier. – Bull. Soc. Hist. Nat. de l'Afrique du Nord, **18**: 164 - 172.
- Baker W.V. 1967. Some observations on predation in an anystid mite. – Ent. Mon. Mag., **103**: 58 – 59.
- Banks N. 1894. Some new American Acarina. – Trans. Amer. Ent. Soc., **21**: 209 – 222 (p.211).
- Banks N. 1895. The Arachnida of Colorado. – Annals N.Y. Acad. Sci., **8**: 417 – 434.
- Banks N. 1907. A Catalogue of the Acarina, or mites, of the United States. – Proc. U.S. National Museum, **32**(1553): p. 598.
- Banks N. 1912. New American mites. – Proc. Ent. Soc. Washington, **14**: 96 – 99.
- Banks N. 1916. New Californian Mites. – J. Ent. and Zool., **8**: 12 – 16.
- Barbar Z. 2018. New mite records (Acari: Mesostigmata, Trombidiformes) from soil and vegetation of some Syrian citrus agrosystems. – Acarologia, **58**(4): 919-927.
- Barilo A.B. 1984a. New data on the taxonomy of Anystids (Acariformes, Prostigmata) of the fauna of Uzbekistan. – Zool. Zhurnal, **63**(7): 1004 - 1011 (in Russian, summ. Engl.).
- Barilo A.B. 1984b. New mites of the family Anystidae (Acariformes, Prostigmata) of the fauna of Uzbekistan. – Zool. Zhurnal, **63**(11): 1734 - 1738 (in Russian, summ. Engl.).
- Barilo A.B. 1984c. A new species of the genus *Anystis* (Prostigmata, Anystidae) from Uzbekistan. – Zool. Zhurnal, **63**(3): 452 - 455 (in Russian, summ. Engl.).
- Berlese A. 1882. Acari, Myriopoda et Scorpiones hucusque in Italia reperti. Padua, Fasc. 1-101.
- Berlese A. 1885. Acari, Myriopoda et Scorpiones hucusque in Italia reperti. Padua, Fasc. **29**.
- Berlese A. 1886. Note relative agli Acari, Miriapodi e Scorpioni Italiani. **4**.
- Berlese A. 1887. Acari, Myriopoda et Scorpiones hucusque in Italia reperti. Padua, Fasc. **35**.
- Berlese A. 1888a. Acarofauna sicula 1e Série.
- Berlese A. 1888b. Acari austroamericani quos collegit Aloysius Balzan. Manipulus primus. Species novas circiter quinquaginta complectens. – Bolletino della Società Entomologica Italiana, **20**: 171–222 + Plates 5–13.
- Berlese A. 1903. Diagnosi di alcune nuove specie di acari italiani mirmecifici e liberi. – Zool. Anz., **27**(1): 12 – 28.
- Berlese A. 1905. Acari nuovi. Manipulus IV (Acari di Giava). – Redia, **2**: 154 - 176.
- Berlese A. 1923. Centuria sesta di Acari nuovi. – Redia, **15**: 237 - 262.
- Bernardi L. F. de Oliveira, J. L. de Carvalho Mineiro, M. Souza – Silva, R. Lopes Ferreira. 2010. Occurrence of *Erythracarus nasutus* Otto, 1999 (Anystoidea: Anystidae) in underground environments in Brazil – Espeleo-Tema, **21**(2): 119 – 129.
- Bottazzi E. 1951. Trombidiformia della Carnia. – Redia, **38**: 221 - 230.
- Bottazzi E. 1950. Primo contributo alla fauna di Trombidiformes (Acari) del Parmense. – Mon. Zool. Italiano, **58**: 28 – 44.
- Călugăr A., O. Ivan, 2016. Soil microarthropods and their bioindicator value regarding the bio-edaphic conditions in forest ecosystems of Danube Delta. – Studia Universitatis “Vasile Goldiș”, Seria Științele Vieții, **26**(2): 215-219.

- Canestrini G. 1885. Prospetto dell'Acarofauna italiana. Famiglie: Erythraeini, Cheyletini, Bdellini, Eupodini e Analgesini. - Atti del reale Ist. Veneto di scienze, lettere ed arti, ser. 6: 1647 – 1688.
- Canestrini G. 1886. Prospetto dell'Acarofauna italiana. Famiglie: Erythraeini, Cheyletini, Bdellini, Eupodini e Analgesini. - Atti del reale Ist. Veneto di scienze, lettere ed arti, ser. 6: 159 - 311.
- Canestrini G. 1898. Acari della Nuova Guinea. – Atti Soc. Veneto-Trentina Sci. Nat., Ser.II, 3(1): 389 – 400.
- Castagnoli M., R. Nannelli. 1995. Arachnida Acari. In Checklist delle specie della Fauna italiana 1994 – 1996. Fascicolo 24, 132 pp.
- Cooreman J. 1943. Note sur la faune des Hautes-fagnes en Belgique (1). XII Acariens (Trombidiformes)(2). – Bull. Mus. R. Hist. Nat. de Belgique, 19(64): 1 – 16.
- Cooreman J. 1946. Acariens de l'île de Chypre. (Voyage de M.A. Ball, Octobre – Novembre 1932). - Bull. Mus. Hist. Nat. Belg., 22(8): 1 - 14.
- Cooreman J. 1955. Note sur des Acariens récoltées en Grèce et en Turquie par K. Lindberg. - Bull. Ann. Soc. Ent. de Belgique, 91(5-6): 119 - 130.
- Cuthbertson A.G.S., A.C. Bell, A.K. Murchie. 2003. Impact of the predatory mite *Anystis baccarum* (Prostigmata: Anystidae) on apple rust mite *Aculus schlechtendali* (Prostigmata: Eriophyidae) populations in Northern Ireland Bramley orchards. - Ann. Applied Biol., 142: 107-114.
- Cuthbertson A.G.S., A.K. Murchie. 2004a. The presence of *Anystis baccarum* (L.) in Northern Ireland Bramley apple orchards. – Ir. Nat. J., 27: 465 – 467.
- Cuthbertson A.G.S., A.K. Murchie. 2004b. The phenology, oviposition and feeding rate of *Anystis baccarum*, a predatory mite in Bramley apple orchards in Northern Ireland. – Exp. Applied Acarol., 34: 367 – 373.
- Cuthbertson A.G.S., A.K. Murchie. 2007. A review of the predatory mite *Anystis baccarum* and its role in apple orchard pest management schemes in Northern Ireland. – Journal of Entomology, 4(4): 275 – 278.
- Cuthbertson A.G.S., A.K. Murchie. 2010. Ecological benefits of *Anystis baccarum* in an orchard ecosystem and the need for its conservation. - International Journal of Environment Science and Technology, 7(4): 807-813.
- Dudich E., G. Kolosváry, L. Szalay, 1940. Bars vármegye pókszábasú (Arachnoidea -) faunájának alapvetése. – A matematikai és természettudományi közlemények, 38(3): 3 – 71.
- Dugès A. 1834. Recherches sur l'ordre des Acariens. - Ann. Sci. Nat., Zoologie. Ser. 2, 2: 18 – 63.
- Evans G. O. 1953. On a collection of Acari from Kilimanjaro. - Ann. Mag. nat. Hist., 12, 6, 64: 258 - 281.
- Evans G.O., E. Browning. 1953. Some intertidal mites from South-West England. – Bull. Brit. Mus. (Natural History), Zoology 1(12): 413 - 422.
- Ewing H.E. 1909. A Systematic and Biological Study of the Acarina of Illinois. – Univ. of Illinois, The University Studies, 3(6): 5 - 119.

- Franz H. 1954. Ordnung Acarina. In: H. Franz. Die Nordost-Alpen im Spiegel ihrer Landti-
erwelt, eine Gebietsmonographie.. Universit. Verlag Wagner, Innsbruck: Bd. I, 329 - 452.
- Gerson U. 1971. The Mites associated with *Citrus* in Israel. - Israel J. of Entomol., **6**: 5 - 22.
- Gervais F.L.P. 1844. Histoire naturelle des insects. Aptères, III (Acarides), 3: 187.
- Grandjean F. 1943. Le developpement postlarvaire d' "Anystis" (Acari). - Mém. Mus. Nat.
Hist. nat., **18**(2): 33 - 77.
- Grandjean F. 1952. Le morcellement secondaire des tarses de *Tarsolarkus* sp. (Acarien). -
Archives de Zoologie Exp. et Gén., **89**: 113 - 123.
- Gupta S.K. 1991. Studies on predatory prostigmatid mites of northeast India with descrip-
tions of new species and new records from India. - Records of the Zoological Survey
of India, **88**: 207 - 239.
- Gupta S.K. 1992. Arachnida: Plant mites (Acari). - State Fauna Series 3 : Fauna of Wesl Bengal,
Part 3: 61 - 211.
- Gupta S.K. 2002. A Monograph on Plant Inhabiting Predatory Mites of India: Part I: Orders:
Prostigmata, Astigmata and Cryptostigmata. 183 pp., Memoirs of the Zoological Survey
of India, **19**(2).
- Hagen K.S., N. J. Mills, G. Gordh, J. A. Mcmurtry. 1999. Terrestrial Arthropod Predators of
Insect and Mite Pests. Handbook for Biological Control.
- Halbert J. N. 1915. Clare Island Sutvey, part 39 ii. Arachnida: ii- Terrestrial and marine Aca-
rina.- Proc. R. Irish Ac., **31**: 45-136, pis. 4-8.
- Haller G. 1882. Beitrag zur Kenntniss der Milbenfauna Württembergs. - Jh. Ver. vaterl. Naturk.
Württemberg, **38**: 293 - 232.
- Halliday B. 1998. Mites of Australia. A Checklist and Bibliography. - Monographs on Inver-
tebrate Taxonomy. Vol.5. CSIRO: 317 pp.
- Halliday B. 2005. Predatory mites from crops and pastures in South Africa: potential natural
enemies of redlegged earth mite *Halotydeus destructor* (Acari: Pentheleidae). - Zootaxa,
1079: 11-64.
- Hardman J.M., H.J. Herbert, K.H. Sanford, D. Hamilton. 1985. Effects of populations of the
European red mite, *Panonychus ulmi*, on the apple variety Red Delicious in Nova Scotia.
- Can. Entomol., **117**: 1257-1265. doi: 10.4039/Ent1171257-10
- Hermann J.-F. 1804. Mémoire aptérologique. Strasbourg, Impr. de F.G. Levrault.
- Heyden C.H.G. von. 1826. Versuch einer systematischen Einteilung der Acariden. - Isis, **19**:
608 - 613.
- Hirst S. 1927. Note on Acari, mainly belonging to the Genus *Spinturnix* von Heyden. - Proc.
Zool. Soc. Lond., **2**: 323 - 338.
- Hirst S. 1931. On some new Australian Acari (Trombidiidae, Anystidae and Gamasidae). -
Proc. Zool. Soc. Lond., **2**: 561 - 564.
- Holm E., M.M.H. Wallace. 1989. Distribution of some anystid mites (Acari: Anystidae) in
Australia and Indonesia and their role as possible predators of the cattle tick, *Boophilus
microplus* (Acari: Ixodidae). - Experimental and Applied Acarology, **6**(1): 77 - 83.
- Hull J.E. 1918. Terrestrial Acari of the Tyne Province. - Trans. Nat. Hist. Soc. Northumb.
(N.S.), **5**(1): 13 - 88.

- Huttrer R. 1978. *Chausseria venustissima* (Berlese, 1882) (Acarina, Trombidiformes auf der Insel Kreta. - Entomol. Mitt. Zool. Mus. Hamburg, **6**: 151-153.
- Huttrer R., G. Rack. 1976. Beitrag zur Morphologie und Biologie von *Chausseria venustissima* (Berlese, 1882) (Acarina, Trombidiformes, Anystidae). - *Acarologia*, **18**: 421 - 441.
- Irk V. 1939. Die terricolen Acari der Ötztaler und Stubai Hochalpen. - Ver. Mus. Ferdinandeum in Innsbruck, **19**: 145 - 190.
- Karsch F. 1881. Diagnoses Arachnoidarum Japoniae. - Berl. ent. Zeitschr., **25**: 35-40.
- Kerr P.H., Sh. L. Winterton. 2008. Do parasitic flies attack mites? Evidence in Baltic amber. - Biological Journal of the Linnean Society, **93**(1): 9 - 13.
- Kishida H. 1959. Arachnida. In: Y.Okada (ed.). An annotated list of animals of Okinawa Islands (Naha City: Okinawa Biological Education and Research Association): 367 - 484.
- Koch C.L. 1837. Deutschlands Crustaceen, Myriapoden und Arachniden, **16** (Regensburg).
- Koch C.L. 1842. Übersicht des Arachnidensystems. Drittes Heft (Milben. Acari). Nürnberg, Verlag der C.H. Zeh'schen Buchhandlung).
- Koch C.L. 1847. Nachtrag eine neue Milbenarten. In: System der Myriopoden und Crustaceen.
- Koch C.L., G.C. Berendt. 1854. Die im Bernstein befindlichen Crustaceen, Myriapoden, Arachniden und Apteren der Vorwelt. - Berlin, Nicolaischen Buchhandlung, 103 - 111 pp.
- Koch L. 1879. Arachniden aus Sibirien und Novaja Semlja eingesammelt von der Schwedischen Expedition im Jahre 1975. - Kongl. Sv. Vet. Akad. Handlingar, **16**(5): 136 pp.
- Kreiter S., P. Auger, K. Lebdi Grissa, M.-S. Tixier, B. Chermiti, M. Dali. 2002. Plant inhabiting mites (Acari: Prostigmata & Mesostigmata) of some northern Tunisian crops. - *Acarologia*, **42**(4): 389-402.
- Kuznetsov N.N. 1983. Mites of Anystidae family from USSR fauna (Acariformes, Prostigmata). - Bull. Nikitskogo botanicheskogo sada, **51**: 87 - 93.
- Kuznetsov N.N., V.M. Petrov. 1984. Predatory Mites of the Baltic Region (Parasitiformes: Phytoseiidae, Acariformes: Prostigmata). - Zinatne, Riga. 144 p. (in Russian)
- Lange A.B., E.M. Drozdovskij, L.M. Bushkovskaya. 1974a. [The mite *Anystis* - an effective predator of small phytophages]. - *Zashtita rastenij*, **1974**(1): 26 - 28 (in Russian).
- Lange A.B., E.M. Drozdovskij, L.M. Bushkovskaya. 1974b. [The collection and release of *Anystis*]. - *Zashtita rastenij*, **1974**(7): 33 - 34 (in Russian).
- Linnaeus C. 1758. Systema Naturae, 10th Edition.
- López-Campos M.G., I. Vázquez-Rojas. 2010. Mites of the families Anystidae and Teneriffiidae from Baja California Sur, Mexico. In: M.W. Sabelis & J. Bruin (Eds) Trends in Acarology: Proc. of the 12th Intern. Congress, Springer Science + Business Media B.V.
- McGregor E.A. 1956. The mites of citrus trees in southern California. - Memoirs of the Southern California Academy of Sciences, **3**: 5 - 38.
- Menge A. 1854. In: Koch C.L., G.C. Berendt. 1854. Die im Bernstein befindlichen Crustaceen, Myriapoden, Arachniden und Apteren der Vorwelt.
- Meyer M.K.P. 1973. Trombidiformes Reuter, 1909. p. 6 - 19. In: Meyer et al., eds.: Acari of the Ethiopian Region. Entomology Memoir No 29: 45 pp.

- Meyer M.K.P. (Smith), P.A.J. Ryke. 1960. Acarina of the families Anystidae, Pseudocheyleidae and Cheyletidae (Prostigmata) found associated with plants in South Africa. – J. of the Ent. Soc. Southern Africa, **23**(1): 177 - 193.
- Meyer M.K.P. (Smith), E.A. Ueckermann. 1987. A taxonomic study of some Anystidae (Acari: Prostigmata). – Entomology Mem. Dep. Agric. Wat. Supply Repub. S. Africa, **68**: 1 - 37.
- Michael A.D. 1897. Report on the Acari collected by Mr. H. Fischer, Naturalist of the Jackson-Harmsworth Polar Expedition, at Cape Flora, Northbrook Island, Franz Joseph-Archipelago. – Journal of the Linnean Society, **26**: 355 - 357.
- Mihelčič F. 1958a. Zoologisch-systematische Ergebnisse der Studienreise von H. Janetschek und W. Steiner in die spanische Sierra Nevada 1954. IX. Milben (Acarina). – S.B. Öst. Akad. Wiss., I, **167**(1-2): 35 - 57.
- Mihelčič F. 1958b. Prostigmata Südeuropas (Spanien). – Eos, Madrid, **34**(3): 269 - 290.
- Miller A.E. 1925. An introductory study of the Acarina, or mites, of Ohio. – Bulletin of the Ohio Agricultural Experiment Station, **386**: 85 - 172.
- Mladenović K., B. Stojnić, B. Vidović, Z. Radulović. 2013. New records of the tribe Bryobiini Berlese (Acari: Tetranychidae: Bryobiinae) from Serbia, with notes about associated predators (Acari: Phytoseiidae). – Arch. Biol. Sci., Belgrade, **65**(3): 1199-1210.
- Naudo M.H. 1977. Fam. Anystidae. – Ann. Mus. Roy. Afr. Centr., Tervuren, Sci. Zool., 220. In: La faune terrestre de l'île de Sainte-Hélène, **2**: 290 - 300.
- Otto J.C. 1992. A new species of *Anystis* von Heyden compared with *Anystis salicinus* (Linnaeus)(Acarina: Anystidae). – Internat. J. Acarol., **18**(1): 25 - 35.
- Otto J.C. 1997a. Observations on prelarvae in Anystidae and Teneriffiidae. In: R. Mitchell, D.J. Horn, G.R. Needham and W.C. Welbourn (eds.), Acarology IX, Volume I, Proceedings (Columbus: The Ohio Biological Survey): 343 - 354.
- Otto J.C. 1997b. A phylogenetic classification of the subfamily Erythracarinae Oudemans, 1936, Thesis (Dr.rer.nat.), University of Bremen (Germany).
- Otto J.C. 1999a. Revision of the genus *Erythracarus* Berlese (Acarina: Anystidae: Erythracarinae). – J. Nat. Hist., **33**(6): 825 - 909.
- Otto J.C. 1999b. Systematics and natural history of the genus *Chaussieria* Oudemans (Acarina: Prostigmata: Anystidae). – Zool. J. of the Linnean Society, **126**(3): 251 - 306.
- Otto J.C. 1999c. The taxonomy of *Tarsotomus* Berlese and *Paratarsotomus* Kuznetsov (Acarina: Anystidae: Erythracarinae) with observations on the natural history of *Tarsotomus*. – Invertebrate Systematics, **13**(5): 749 - 803.
- Otto J.C. 2000. A cladistic analysis of Erythracarinae (Acarina: Prostigmata: Anystidae), with the description of a new genus. – Systematic Entomology, **25**(4): 447 - 484.
- Otto J.C., R.B. Halliday. 1991. Systematics and biology of a predatory mite (*Anystis* sp.) introduced into Australia for biological control of redlegged earth mite. – Plant Protection Quarterly, **6**(4): 181 - 185.
- Otto J.C., R. Olomski. 1994. Observations on a motile prelarva in *Chaussieria venustissima* (Berlese, 1882)(Acari: Anystidae), with a description of the larva. – Canadian J. of Zoology, **72**(2): 287 - 292.

- Oudemans A.C. 1902. Acarologische Aanteekeningen. – Ent. Ber., Amsterdam, **1**(6): 36 – 39.
- Oudemans A.C. 1906. Acarologische Aanteekeningen XXIII. – Ent. Berichten, **29**(2): 81 – 88.
- Oudemans A.C. 1916. Notizen über Acari. 24. Reiche (Trombidiidae, sensu lato). – Tijdschrift v. Entomologie, **59**(1-2): 18 – 54.
- Oudemans A.C. 1921. Acarologische Aanteekeningen LXVI. – Ent. Berichten, **5**(120): 358 – 359.
- Oudemans A.C. 1936. Neues über Anystidae (Acari). – Archiv f. Naturgeschichte, N.F. **5**: 364 – 446.
- Oudemans A.C. 1937. Namensänderung. – Archiv f. Naturgesch., N.F. **6**(4): 662.
- Pepato A.R., P.B. Klimov. 2015. Origin and higher-level diversification of acariform mites – Evidence from nuclear ribosomal genes, extensive taxon sampling, and secondary structure alignment. – BMC Evolutionary Biology, **15**(1): 178 – 197.
- Petrova D., I. Salmāne, Z. Čudare. 2004. The predatory mite (Acari, Parasitiformes: Mesostigmata (Gamasina); Acariformes: Prostigmata) community in strawberry agroecosystem. – Acta Universitatis Latviensis, Biology, **676**: 87–95.
- Pogrebnyak S.G. 1995. New anystid genus and species (Acari: Trombidiformes) from Ukraine. – Zhurnal Ukrainskogo Entomologichnogo Tovaristva, 1993, **1**(3-4): 11 – 18.
- Reda A.S. 1991. Two new species of the genus *Bechsteinia* from Egypt (Prostigmata: Anystidae). – Ann. Agricultural Science (Cairo), **36**(2): 727 – 731.
- Reda S., A. Gomma. 1991. *Neoaegyptocus*, a new genus with description of two new species from Egypt. (Acari: Prostigmata :Anystidae). – Fayoum J. Agric. Res., **5**(1): 171–177.
- Ripka G., A. Pain, A. Kazmierski, S. Kreiter, Wl. Magowski. 2002. Recent data to the knowledge of the arboreal mite fauna in Hungary (Acari: Mesostigmata, Prostigmata, and Astigmata). – Acarologia, **42**(3): 271–281.
- Schmölzer K. 1956. Landmilben aus dem Dauphiné (Acarina terrestria). – Öst. Zool. Zeitschr., **6**(3 -5): 542 – 565.
- Schrank P. 1781. Enumeratio insectorum Austriae indigenorum. Augsburg.
- Schuster R., I. Schuster. 1966. Über das Fortpflanzungsverhalten von Anystiden-Männchen (Acari, Trombidiformes). – Naturwiss., **53**: 162. Berlin.
- Schweizer J. 1922. Beitrag zur Kenntnis der terrestrischen Milbenfauna der Schweiz. – Verh. Naturg. Gesell. Basel, **33**: 23 – 112.
- Schweizer J. 1951. Die Landmilben des Schweizerischen Nationalparks, 2 Teil: Trombidiformes Reuter 1909. – Ergebn. d. wissensch. Untersuchg. d. SNP, **3** (N.F.): 51 – 172.
- Schweizer J., C. Bader. 1963. Die Landmilben der Schweiz (Mittelland, Jura und Alpen) Trombidiformes Reuter. – Denkschr. Schweiz. Naturfor. Ges., **84**(2): VI+209 – 378.
- Sellnick M. 1931. XVI Teil. Acari. In: Zoologische Forschungsreise nach den Jonischen Inseln und dem Peloponnes von M. Beier. Sitz. Ber. Akad. Wiss. Wien, Math.-natw. Kl., **140**: 693 – 776.
- Sellnick M. 1940. Die Milbenfauna Islands. – Göteborgs Kungl. Vetenskaps - och Vitterhets - Samhälles Handlingar, Ser. B, **6**(14): 1 – 129.
- Sellnick M. 1949. Milben von der Küste Schwedens. – Entomologisk Tidskrift, 1949: 123 – 135.
- Shiba M. 1969. Taxonomic investigations on free-living mites in the subalpine forest on Shiga Heights IB area II. Prostigmata. – Bull. natn. Sci. Mus., **12**: 65–115.

- Shiba M. 1976. Some ecological observations on Acarina of the sea shore. – Rev. Ecol. Biol. Sol, **13**(1): 133 - 136.
- Sorensen J.T., D.N. Kinn, R.L. Doult, J.R. Cate. 1976. Biology of the mite, *Anystis agilis* (Acari: Anystidae); a California vineyard predator. – Ann. Ent. Soc. of America, **69**(5): 905 - 910.
- Southcott R.V. 1976. Arachnidism and allied syndromes in the Australian region. – Records of the Adelaide Children's Hospital, **1**: 97 - 186.
- Starkoff O., I. Starkoff. 1950. Contributo alla conoscenza dell'acarofauna di Roma e dintorni Ila nota: sottordini Sarcoptiformes e Prostigmata. - Rivista di Parassitologia, **11**(2): 85 - 101.
- Stoll O. 1886 - 1893. Biologia Centrali - Americana. Zoologia. Arachnida Acaridae. – London, Taylor & Francis: 1 - 53 (p.7, 1887).
- Su Z.-H., L. Lin, H.-J. Wu, W.-M. Ye. 2006. Resources investigation and richness analysis of Litchi mites. - Guandong Agricultural Sciences, **2006**(3): 90 - 93 (in Chinese).
- Thor S. 1912a. Norvegische Anystidae I. - Zool. Anz., **39**(11-12): 387 - 388.
- Thor S. 1912b. Norvegische Anystidae II. - Zool. Anz., **39**(15-16): 465 - 473.
- Thor S. 1912c. Verzeichnis der in Norwegen gefundenen Eupodidae I. Erste Sammlung. – Zool. Anz., **39**(5/6): 235 - 237.
- Trägårdh I. 1904. Monographie der arktischen Acariden. - Fauna Arctica, **36**, Bd. 4, p. [1]-78.
- Trägårdh I. 1905. Acariden aus Ägypten und dem Sudan. - Res. Swedish. Zool. Exped. Egypt and White Nile. L.A. Jägerskiöld, 124 pp.
- Trägårdh I. 1931. Acarina from Juan Fernandez Islands. Nat. Hist. Juan Fernandez and Eastern Islands, **3**, 4, Uppsala: 553 - 628.
- Ueckermann E.A. 1987. A description of a new species of *Bechsteinia* Oudemans, 1936 (Acari: Anystidae). – Entomol. Mitt. zool. Mus. Hamburg, **9**(131): 55 - 62.
- Ueckermann E.A., M.K.P. Smith - Meyer. 1988. South African Acari. IV. Some mites of the Addo Elephant National Park. – Koedoe, **31**: 31 - 51.
- Ülgentürk S., F. Szentkirályi et al. 2013. Predators of *Marchalina hellenica* (Hemiptera: Marchaliniidae) on pine forests in Turkey. – Phytoparasitica, **41**(5): 529-537.
- Vitzthum H. 1925. Acarologische Beobachtungen. Achte Reihe. – Arch. Naturgesch., **90A**(10): 1 - 86.
- Vitzthum H. 1926. Malayische Acari. – Treubia, **8**(1-2): 1-198.
- Vitzthum H. 1928. Milben, Acari, In: Die Tierwelt Mitteleuropas, Bd.3, Abt.7, Lief. 3.
- Vitzthum H. 1933. Terrestrische Acarinen aus Mexico. – Zool. Anzeiger, **103**(9/10): 225 - 235.
- Willmann C. 1939. Die Arthropodenfauna von Madeira nach den Ergebnissen der Reise von Prof. Dr. O. Lundblad Juli - August 1935. XIV. Terrestrische Acari (exkl. Ixodidae). – Arkiv för Zoologi, **31A**(10): 1 - 42.
- Willmann C. 1940. Neue Milben aus Höhlen der Balkanhalbinsel, gesammelt von Prof. Dr. K. Absolon, Brunn. (1. Mitteilung). - Zool. Anz., **129**(7-8): 213 - 218.

- Willmann C. 1941. Die Acari der Höhlen der Balkanhalbinsel. (Nach dem Material der “Bio-speleologica balcanica”. – Studien aus dem Gebiete der allgemeinen Karstforschung etc., Biol. Serie Nr.8, Brünn: 80 pp.
- Willmann C. 1951a. Die hochalpine Milbenfauna der mittleren Hohen Tauern insbesondere des Grossglockner-Gebietes (Acari). – Bonn. zool. Beitr., **1-2**: 141 – 176.
- Willmann C. 1951b. Untersuchungen über die terrestrische Milbenfauna im pannonischen Klimagebiet Österreichs. – Sitzungsber. der Österr. Akademie der Wissenschaften, Mathem. – naturwiss. Kl., Abt. I, **160** Bd.: 91 - 176.
- Willmann C. 1954. Mährische Acari hauptsächlich aus dem Gebiete des mährischen Karstes, gesammelt von Prof. Dr K. Absolon, Brno. – Československa Paras., **1**: 213 - 272.
- Womersley H. 1933. On some Acarina from Australia and South Africa. – Transactions of the Royal Society of South Australia, **57**: 108 – 112.
- Womersley H. 1942. The Anystid Mites of Australia. - Trans. Roy. Soc. South Australia, **66**(1): 15 - 22.
- Wright K.A., I.M. Newell. 1964. Some Observations on the Fine Structure of the Midgut of the Mite *Anystis* sp. - Ann. Ent. Soc. America, **57**: 684 - 693.
- Zacharda M., D.A. Krivoluckij. 1985. Prostigmatic mites (Acarina: Prostigmata) from the Upper Cretaceous and Paleogene amber of the USSR. – Věst. čs. Společ. Zool., **49**: 147 - 152.
- Zhang Zhi-Qiang. 2010. Terrestrial Parasitengona (except chiggers) of China: a review of progress in systematics and biology, with a checklist of species. – Zoosymposia, **4**: 94 - 105.
- Zhang Zhi-Qiang, Xiao-Yue Hong. 2010. Xin Centenary and Progress in Chinese Acarology: an Introduction. – Zoosymposia **4**: 5 – 10.

The Mite Family Teneriffiidae Thor

Teneriffiidae Thor, 1911: 179

Recorded first by Thor (1911) from Canary Is. and Paraguay, this small family contains now 26 species of predaceous free-living mites, living from the dunes of Namibia and Somalia and the intertidal zone of Japan to the high altitude in Alps (3207 m) and Himalaya (5050 m). Their generic taxonomy remains subject of discussions, especially after the revision of McDaniel, Morihara & Lewis (1976), in which only the two “initial” genera were recognized for the family Teneriffiidae: *Teneriffia* Thor, 1911 and *Parateneriffia* Thor, 1911. All genera, established between 1911 and 1976 by various authors: *Neoteneriffiola* Hirst, 1924, *Heteroteneriffia* Hirst, 1925, *Austroteneriffia* Womersley, 1935, *Mesoteneriffia* Irk, 1939, as well as the name *Teneriffiola* Strand, 1911 and the family name Teneriffiolidae, based on it, are considered by the McDaniel et al. (1976) as synonyms. *Mesoteneriffiola* Schmölzer, 1956 and “*Neoteneriffiola*” *tadjikistanica* Wainstein, 1969 were not considered. Other acarologists added to the taxonomy (and sometimes to the confusion) of Teneriffi-

dae: Vitzthum (1942), Irk (1939a, b), Radford (1950), Schmölzer (1952, 1956), Tibbetts (1958), Besch (1962), Eller & Strandtmann (1963), Ehara (1965), Wainstein (1969), Shiba & Furukawa (1975), and others.

New genera and species described after 1976 by Schmölzer (2002 – *Himalteneriffia* from Ladakh), Luxton (1993), Yin, Bei & Li (1995 – *Sinoteneriffia* from China), Luo et al. (1996 – *Sinoteneriffia* from China), Luo, Yin et al. (2007, *Neoteneriffiola* from China), Bernardi et al. (2012, Brazil), Ueckermann & Khanjani (2002), Khanjani, Asali Fayaz & Ueckermann (2011), Khanjani, Yazdanpanah & Asali Fayaz (2013), Khanjani, Hoseini & Asali Fayaz (2014), Ueckermann & Durucan (2020, *Teneriffia* from Turkey), Zmudzinski, Skoracki & Friedrich (2021, *Teneriffia* from Ethiopia).

Judson (1994, 1995) not only described new and redescribed the older species of Teneriffiidae, but questioned the lumping of several genera by McDaniel et al. (1976) into two original units. Based on very detailed morphological studies, he reviewed and removed from synonymy the genera *Neoteneriffiola* and *Austroteneriffia* and described new species from Namibia and Australia.

In our collection in Sofia we have many specimens of Teneriffiidae from Greece, Afghanistan, Chinese Karakorum, Somalia, Nigeria, Tanzania, Zambia, Peru, and Mexico, which represent new species and are being described.

Composition of Teneriffiidae

Fam. Teneriffiidae – 28 sp.

Austroteneriffia Womersley, 1935 - 10

Heteroteneriffia Hirst, 1925 - 2

Mesoteneriffia Irk, 1939 - 1

Mesoteneriffiola Schmölzer, 1956 - 1

Himalteneriffia Schmölzer, 2002 - 1

Neoteneriffiola Hirst, 1924 - 5

Parateneriffia Thor, 1911 - 1

Sinoteneriffia Yin, Bei et Li, 1995 – 2

Teneriffia Thor, 1911 - 5

Catalogue of Teneriffiidae

Family Teneriffiidae Thor

Teneriffiidae Thor, 1911: 179

Teneriffiolidae Hirst, 1924: 1078

Teneriffiinae Womersley, 1935: 334

Type genus: *Teneriffia* Thor, 1911

Genus ***Austroteneriffia*** Womersley

Austroteneriffia Womersley, 1935: 334

Type species: *Austroteneriffia hirsti* Womersley, 1935

Austroteneriffia hirsti Womersley

Austroteneriffia hirsti: Womersley, 1935: 335; Vitzthum, 1942: 808; Radford, 1950: 76;
Judson, 1995: 830

Parateneriffia hirsti: McDaniel, Morihara & Lewis, 1976: 532

Type locality: Menindie (S. Australia)

Distribution: Australia

Austroteneriffia hojoensis (Shiba et Furukawa)

Neoteneriffiola hojoensis: Shiba & Furukawa, 1975: 118

Austroteneriffia hojoensis: Judson, 1995: 833

Type locality: Kashima, Hojo, Ehime Pref., near the sea shore, Japan

Distribution: Japan

Austroteneriffia japonica (Ehara)

Neoteneriffiola japonica: Ehara, 1965: 226; Shiba & Furukawa, 1975: 111

Austroteneriffia japonica (Ehara): Judson, 1995: 833

Type locality: Sapporo, Japan

Distribution: Japan

Austroteneriffia kamalii Ueckermann et Khanjani

Austroteneriffia kamalii Ueckermann & Khanjani, 2002: 168

Type locality: Famenin, Hamadan prov., litter of *Medicago sativa*

Distribution: Iran

Austroteneriffia khorramabadiensis Khanjani, Hoseini et Asali Fayaz

Austroteneriffia khorramabadiensis Khanjani, Hoseini & Asali Fayaz, 2014: 70

Type locality: Kaka Reza region, Khorramabad vic., Lorestan Province

Distribution: Iran

Austroteneriffia leei Judson

Austroteneriffia leei: Judson, 1995: 835

Type locality: Coomandook, S. Australia

Distribution: South Australia (Australia)

Austroteneriffia littorina Shiba et Furukawa*Austroteneriffia littorina*: Shiba & Furukawa, 1975: 123; Judson, 1995: 837

Type locality: Wake, Matsuyama, Ehime Pref., Japan

Distribution: Japan

Austroteneriffia shiraziensis Khanjani, Yazdanpanah et Asali Fayaz*Austroteneriffia shiraziensis* Khanjani, Yazdanpanah & Asali Fayaz, 2013: 36

Type locality: Koohmare Sorkhi region, Fars province

Distribution: Iran

Austroteneriffia tadjikistanica (Wainstein)*Neoteneriffiola tadjikistanica* Wainstein, 1969: 1250; 1978: 202*Austroteneriffia tadjikistanica* (Wainstein): Judson, 1995: 838; Ueckermann, van Harten & Smith Meyer, 2006: 256

Type locality: Tadjikistan

Distribution: Tadjikistan, Yemen (incl. Socotra Island)

Austroteneriffia zamaniani Khanjani, Asali Fayaz et Ueckermann*Austroteneriffia zamaniani* Khanjani, Asali Fayaz & Ueckermann, 2011: 551

Type locality: Sorkh Abad Village, Hamedan vic., Hamedan Prov.

Distribution: Iran

“*Austroteneriffia*” *andrei* Besch (species inquirenda)*Austroteneriffia Andréi*: Besch, 1962: 236“*Austroteneriffia*” *andrei* Besch: Judson, 1995: 827 (another genus!)

Type locality: “Arroyo Lopez, Gletscherbach bei Bariloche”, Prov. Rio Negro, Distribution: Argentina

Genus ***Heteroteneriffia*** Hirst*Heteroteneriffia* Hirst, 1925: 1278; synonymized by McDaniel et al., 1976: 529, but restaured by Ueckermann & Durucan, 2020Type species: *Heteroteneriffia marina* Hirst, 1925***Heteroteneriffia marina*** Hirst*Heteroteneriffia marina*: Hirst, 1925: 1278*Heteroteneriffiolla marina*: Shiba, 1976: 134*Teneriffia marina* (Hirst): McDaniel et al., 1976: 529

Type locality: Teluk Kemang, near Port Dickson, Negri Sembilan, Malaysia

Distribution: Japan, Malaysia

Heteroteneriffia mortoni Luxton

Heteroteneriffia mortoni Luxton, 1993: 104

Teneriffia mortoni (Luxton): Judson, 1994: 115

Type locality: Hong Kong marine littoral

Distribution: China (Hong Kong)

Genus ***Himalteneriffia*** Schmölzer

Himalteneriffia Schmölzer, 2002: 133

Type species: *Himalteneriffia riccabonai* Schmölzer, 2002

Himalteneriffia riccabonai Schmölzer

Himalteneriffia riccabonai Schmölzer, 2002: 133

Type locality: “Basislager am Markha – Fluss ca. 50 km nördlich von Leh, ca. 77° öL., 34° nBr., nur wenige km vom Kongmaru-La entfernt; ca. 5050 m Höhe”

Distribution: India (Ladakh)

Genus ***Mesoteneriffia*** Irk

Mesoteneriffia Irk, 1939: 220

Type species: *Mesoteneriffia steinbocki* Irk, 1939

Mesoteneriffia steinbocki Irk

Mesoteneriffia steinbocki: Irk, 1939: 222; Strandtmann, 1965: 261

Mesoteneriffia steinboeckii: Schmölzer, 1952: 22; 2002: 124; Schweizer & Bader, 1963: 263

Type locality: “Ötztaler und Stubai Alpen”, 2719 - 3050 m, Austria

Distribution: Austria, Switzerland

Genus ***Mesoteneriffiola*** Schmölzer

Mesoteneriffiola Schmölzer, 1956: 549

Type species: *Mesoteneriffiola alpina* Schmölzer, 1956

Mesoteneriffiola alpina Schmölzer

Mesoteneriffiola alpina Schmölzer, 1956: 549; 2002: 124

Type locality: “Unterhalb d. Roche d’Alvau, 2900 m”, Dauphiné

Distribution: France

Genus ***Neoteneriffiola*** Hirst

Neoteneriffiola Hirst, 1924: 1078

Parateneriffia Thor: McDaniel et al., 1976: 532 (in part)

Type species: *Neoteneriffiola luxoriensis* Hirst, 1924

Neoteneriffiola coineau Judson

Neoteneriffiola coineau: Judson, 1994: 117

Type locality: Hamilton Range, Namibia

Distribution: Namibia

Neoteneriffiola luxoriensis Hirst

Neoteneriffiola luxoriensis: Hirst, 1924: 1078; Judson, 1994: 115

Parateneriffia luxoriensis:

Type locality: Assuan and Luxor, Egypt

Distribution: Egypt

Neoteneriffiola uta Tibbetts

Neoteneriffiola uta: Tibbetts, 1958: 44; López-Campos & Vázquez-Rojas, 2010: 157

Parateneriffia uta (Tibbetts): McDaniel et al., 1976: 532

Type locality: Utah

Distribution: Mexico, U.S.A. (Utah)

Neoteneriffiola xerophila De Oliveira Bernardi, Pellegrini et Ferreira

Neoteneriffiola xerophila De Oliveira Bernardi, Pellegrini & Ferreira, 2012: 411

Type locality: Brazil

Distribution: Brazil

Neoteneriffiola yunnanensis Luo Youzhen, Yin Suigong, Chen Bin et Zhang Yidong

Neoteneriffiola yunnanensis Luo Youzhen, Yin Suigong, Chen Bin & Zhang Yidong, 1997: 87

Type locality: Yunnan

Distribution: China (Yunnan)

Neoteneriffiola sp.

Distribution: South Africa (Meyer et al., 1973)

Genus ***Parateneriffia*** Thor

Parateneriffia Thor, 1911: 176

Type species: *Parateneriffia bipectinata* Thor, 1911

Parateneriffia bipectinata Thor

Parateneriffia bipectinata Thor, 1911: 177

Type locality: Paraguay

Distribution: Paraguay

Genus ***Sinoteneriffia*** Yin, Bei et Li

Sinoteneriffia Yin, Bei & Li, 1995: 433

Type species: *Sinoteneriffia nuda* Yin, Bei et Li, 1995

Sinoteneriffia kunmingensis Luo, Yin, Zhang et Bin

Sinoteneriffia kunmingensis Luo, Yin, Zhang & Bin, 1997: 243

Type locality: Kunming

Distribution: China

Sinoteneriffia nuda Yin, Bei et Li

Sinoteneriffia nuda Yin, Bei & Li, 1995: 434 (Engl. 437)

Type locality: Liaoning Prov., from *Sabina chinensis*

Distribution: China

Genus ***Teneriffia*** Thor

Teneriffia Thor, 1911: 172

Teneriffiola Strand, 1911: 287

Type species: *T. quadripapillata* Thor, 1911

Teneriffia aethiopica Zmudzinski, Skoracki et Friedrich

Teneriffia aethiopica Zmudzinski, Skoracki & Friedrich, 2021: 318

Type locality:

Distribution: Ethiopia

Teneriffia mexicana McDaniel, Morihara et Lewis

Teneriffia mexicana: McDaniel et al., 1976: 529

Type locality: Sonora, Mexico

Distribution: Mexico

Teneriffia quadripapillata Thor

Teneriffia quadripapillata Thor, 1911: 173; Schmölzer, 2002: 131

Teneriffiola quadripapillata (Thor): Hirst, 1924: 1080

Type locality: Orotava, Teneriffa

Distribution: Teneriffa (Canary Is., Spain)

Teneriffia sebahatae Ueckermann et Durucan

Teneriffia sebahatae Ueckermann & Durucan, 2020: 1141

Type locality: sea shore nr. Antalya (Kundu)

Distribution: Turkey

Teneriffia hajiqaanbari Paktinat-Saeij et Kazemi

Teneriffia hajiqaanbari Paktinat-Saeij & Kazemi, 2022: 263

Type locality: Queshm Island, southern Hormozgan Province

Distribution: Iran

Index of Teneriffiidae

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

- aethiopica*, *Teneriffia* 290
alpina, *Mesoteneriffiola* 288
“andrei”, *Austroteneriffia* (sp. inquir.) 287
Austroteneriffia 286
bipectinata, *Parateneriffia* 289
coineau, *Neoteneriffiola* 288
hadjiqanbari, *Teneriffia* 290
Heteroteneriffia 287
Himanteneriffia 288
hirsti, *Austroteneriffia* 286
hirsti, *Parateneriffia* 286
hojensis, *Austroteneriffia* 286
hojensis, *Neoteneriffiola* 286
japonica, *Austroteneriffia* 286
japonica, *Neoteneriffiola* 286
kamalii, *Austroteneriffia* 286
khorrabadensis,
Austroteneriffia 286
kunmingensis, *Sinoteneriffia* 289
leei, *Austroteneriffia* 286
littorina, *Austroteneriffia* 287
luxoriensis, *Neoteneriffiola* 289
luxoriensis, *Parateneriffia* 289
marina, *Heteroteneriffia* 287
marina, *Heteroteneriffiola* 287
marina, *Teneriffia* 287
Mesoteneriffia 288
Mesoteneriffiola 288
mexicana, *Teneriffia* 290
mortoni, *Heteroteneriffia* 287
mortoni, *Teneriffia* 288
Neoteneriffiola 288
nuda, *Sinoteneriffia* 290
Parateneriffia 289
quadripapillata *Teneriffia* 290
quadripapillata, *Teneriffiola* 290
riccabonai, *Himanteneriffia* 288
sebahatae, *Teneriffia* 290
shiraziensis, *Austroteneriffia* 287
Sinoteneriffia 289
steinbocki, *Mesoteneriffia* 288
tajikistanica, *Austroteneriffia* 287
tajikistanica, *Neoteneriffiola* 287
Teneriffia 290
Teneriffiidae 285
Teneriffiinae 286
Teneriffiola 290
Teneriffiolidae 285
uta, *Neoteneriffiola* 289
uta, *Parateneriffia* 289
xerophila, *Neoteneriffiola* 289
yunnanensis, *Neoteneriffiola* 289
zamaniani, *Austroteneriffia* 287

Distribution of Teneriffiidae

EUROPE

- Austria** (Irk, 1939; Schmölzer, 1952) - *Mesoteneriffia steinbocki*
France (Schmölzer, 1956) - *Mesoteneriffiola alpina*
Greece (Beron, in prep.) - *Teneriffiidae*
Switzerland (Schweizer & Bader, 1963) - *Mesoteneriffia steinbocki*
Turkey (Ueckermann & Durucan, 2020) - *Teneriffia sebahatae*

AFRICA

Canary Is. (Thor, 1911) - *Teneriffia quadripapillata*

Egypt (Hirst, 1924) - *Neoteneriffiola luxoriensis*

Ethiopia (Zmudzinsk, Skoracki & Friedrich, 2021) – *Teneriffia aethiopica*

Namibia (Judson, 1994) - *Neoteneriffiola coineau*

Nigeria (Beron, in prep.) - Teneriffiidae

Somalia (Beron, in prep.) - Teneriffiidae

South Africa (Meyer et al., 1973) - *Neoteneriffiola* sp.

Tanzania (Beron, in prep.) - Teneriffiidae

Zambia (Beron, in prep.) - Teneriffiidae

ASIA

Afghanistan (Beron, in prep.) - Teneriffiidae

China (Yin Suigong, Bei Naxir, Li Xuejin, 1995; Luo Youzhen, Yin Suigong, Zhang Yidong, Chen Bin, 1996; Luo Youzhen, Yin Suigong, Chen Bin, Zhang Yidong, 1997; Beron, in prep.) – *Neoteneriffiola yunnanica*, *Sinoteneriffia kunmingensis*, *S. nuda*

India (Schmölzer, 2002; Paktinat-Saeij & Kazemi, 2022 Zmudzinski et al., 2021) – *Himalteneriffia riccabonai*

Iran (Ueckermann & Khanjani, 2002; Khanjani, Asali Fayaz & Ueckermann, 2011; Khanjani, Yazdanpanah & Asali Fayaz, 2013; Khanjani, Hoseini & Asali Fayaz, 2014) – *Austroteneriffia kamalii*, *A. khorramabadiensis*, *A. shiraziensis*, *A. zamaniensis*

Japan (Ehara, 1965; Shiba, 1976; Shiba & Furukawa, 1975; Judson, 1995) – *Austroteneriffia hojoensis*, *A. japonica*, *A. littorina*, *Teneriffia marina*

Malaysia (Hirst, 1925) - *Teneriffia marina*

Tadjikistan (Wainstein, 1969) - *Austroteneriffia tadjikistanica*

Yemen (incl. Socotra) (Ueckermann, van Harten & Smith Meyer, 2006) – *Austroteneriffia tadjikistanica*, *Parateneriffia* sp.

NORTH and CENTRAL AMERICA

Mexico (McDaniel, Morihara et Lewis, 1976; López-Campos & Vázquez-Rojas, 2010; Beron, in prep.) - *Neoteneriffiola uta*, *Teneriffia mexicana*

USA (Tibbetts, 1958) - *Neoteneriffiola uta*

SOUTH AMERICA

Argentina (Besch, 1962) - “*Austroteneriffia*” *andrei*

Brazil (Bernardi et al., 2012) – *Neoteneriffiola*

Paraguay (Thor, 1911) - *Parateneriffia bipectinata*

Peru (Beron, in prep.) - Teneriffiidae

OCEANIA

Australia (Womersley, 1935; Judson, 1995) - *Austroteneriffia hirsti*, *A. leei*

Bibliography on Teneriffiidae

- Baker E.W., G.W. Wharton. 1952. An Introduction to Acarology. - Macmillan Co., New York
- Bernardi L. Ferreira de Oliveira, Th. Giovannini Pellegrini, R. Lopes Ferreira. 2012. New species of *Neoteneriffiola* (Acari: Trombidiformes: Teneriffiidae) from Brazilian caves: geographical distribution and ecological traits. - International Journal of Acarology, **38**(5): 410 - 416.
- Beron P., in prep. On the existence in Greece of the mite family Teneriffiidae (Acariformes: Prostigmata). Description of *Parateneriffia valkanovi* sp.n. and *P. graeca* sp.n.
- Beron P. in prep. Nomenclature des soies idiosomales des Teneriffiidae (Acariformes: Prostigmata) et descriptions de trois espèces nouvelles de Nigeria, Tanzania et Zambia.
- Beron P. in prep. Some Teneriffiidae (Acariformes: Prostigmata) from Peru and Mexico.
- Beron P. in prep. New Teneriffiidae (Acariformes: Prostigmata) from Chinese Karakorum and Afghanistan.
- Besch W. 1962. Eine neue *Austroteneriffia* - Art (Teneriffiidae, Acari) aus Südamerika. - Zool. Anz., **168**(5-6): 235 - 238.
- Ehara S. 1965. Two new species of Teneriffiidae from Japan, with notes on the genera *Heteroteneriffia* and *Neoteneriffiola* (Acarina: Prostigmata). - Publ. Seto Marine Biol. Lab., **13**(3): 221 - 229.
- Eller R., R.W. Strandtmann. 1963. Notes on Teneriffiidae (Acarina: Prostigmata). - The South-western Naturalist, **8**(1): 23 - 31.
- Hirst S. 1924. On Three new Acari belonging to the Superfamily Trombidioidea (Erythraeidae and Teneriffiidae). - Proc. Zool. Soc., Part 4: 1075 - 1080.
- Hirst S. 1926. On some new genera and species of Arachnida. - Proc. Zool. Soc. London, 1925: 1271 - 1280.
- Irk V. 1939a. Drei neue Milbenarten aus dem Tiroler Hochgebirge. - Zool. Anz., **128**(5-6): 217 - 223.
- Irk V. 1939b. Die terricolen Acari der Ötztaler und Stubai Hochalpen. - Veröff. Mus. Ferdinandeum, Innsbruck, **19**: 145 - 189.
- Judson M. 1994. Studies on the Morphology and Systematics of the Teneriffiidae (Acari, Prostigmata) I. A New Species of *Neoteneriffiola* from Namibia. - Acarologia, **35**(2): 115 - 134.
- Judson M. 1995. Studies on the Teneriffiidae (Acari: Anystoidea). - II. A Review of the Genus *Austroteneriffia*. - Invertebrate Taxonomy, **9**: 827 - 839.
- Khanjani M., B. Asali Fayaz, E.A. Ueckermann. 2011. A new species of the genus *Austroteneriffia* (Acari: Anystina: Teneriffiidae) from western Iran. - International Journal of Acarology, **37**(6): 550 - 555.
- Khanjani M., M.A. Hoseini, B. Asali Fayaz. 2014. *Austroteneriffia khorramabadiensis* n. sp. (Acari: Teneriffiidae) as new species from southwestern Iran, with description of male. - Acarologia, **54**(1): 69-79.

- Khanjani M., Sh. Yazdanpanah, B. Asali Fayaz. 2013. *Austroteneriffia shiraziensis* sp. nov. (Acari: Teneriffiidae) from southwestern Iran, with description of male and immature stages. – Zootaxa, **3683**(1): 035–050.
- López-Campos M.G., I. Vázquez-Rojas. 2010. Mites of the families Anystidae and Teneriffiidae from Baja California Sur, Mexico. In: M.W. Sabelis & J. Bruin (Eds) Trends in Acarology: Proc. of the 12th Intern. Congress, Springer Science + Business Media B.V., 155 – 159.
- Luo Youzhen, Yin Suigong, Zhang Yidong, Chen Bin. 1996. A new species of *Sinoteneriffia*. – J. of Yunnan Agricultural University, **11**(4): 243 – 247.
- Luo Youzhen, Yin Suigong, Chen Bin, Zhang Yidong. 1997. A new species of *Neoteneriffiola* from China (Acarina: Teneriffiidae). – Journal of Yunnan Agricultural University, **12**(2): 87 – 91.
- Luxton M. 1993. The genus *Heteroteneriffia* Hirst, 1925 (Acarina: Prostigmata: Teneriffiidae). – Zool. Anz., **230**: 103 - 109.
- McDaniel B., D. Morihara, J.K. Lewis. 1976. The Family Teneriffiidae Thor, with a New Species from Mexico. – Ann. Entomol. Soc. of America, **69**(3): 527 - 537.
- Meyer M.K.P. 1973. Suborder Trombidiformes Reuter, 1909, pp.6 - 19. In: Meyer M.K.P. et al.: Acari of the Ethiopian Region. – Ent. Mem. Dept. agric. Tech. Service Rep. South Afr., **29**: 1 - 45.
- Otto J.C. 1996. Observations on prelarvae in Anystidae and Teneriffiidae. 343-354. – In: Mitchell Roger, Horn D.J., Needham G.R., Welbourn W.C.[Eds]. Acarology 9: Volume 1. Proceedings. Ohio Biol. Survey, Columbus, 1-718.
- Paktinat-Saeij S., Sh.Kazemi. 2022. *Teneriffia hajiqaanbari* sp. nov. (Acari: Trombidiformes: Teneriffiidae), first record of the genus from Iran, with a key to world species of *Teneriffia*. – Acarologia, **62**(1): 262 – 269.
- Sayre R.M., R.L. Smiley, D. E. Walter. 1992. Report of a Teneriffiid Mite (Acari) in Baltic Amber and notes on recent discoveries. – Internat. J. Acarol., **18**(4): 303 – 305.
- Schmölzer K. 1952. *Mesoteneriffia steinboeckii* Irk (Acari, Trombidiformes), ein Relikttier der Zentralalpengipfel. – Tiroler Heimatblätter, **1/3**: 22 - 23.
- Schmölzer K. 1956. Landmilben aus dem Dauphiné (Acarina terrestria). – Öst. Zool. Zeitschr., **6**(3 -5): 542 - 565.
- Schmölzer K. 2002. Über Teneriffiidae, sowie Beschreibung einer neuen Gattung und Art aus dem Himalaya (Acarina, Trombidifomes). – Ber. nat.-med. Verein Innsbruck, **89**: 123 - 136.
- Schweizer J., C. Bader 1963. Die Landmilben der Schweiz (Mittelland, Jura und Alpen). Trombidiformes Reuter. – Denkschr. Schweiz. Naturf. Ges., Zürich, **84**(2): 209 - 378.
- Shiba M. 1975. Taxonomic investigations of free-living Prostigmata from Malay Peninsula. – Nature and Life in S. East Asia, **12**: 83 - 229.
- Shiba M. 1976. Some ecological observations on Acarina of the seashore. – Revue d'Ecologie et de Biologie du Sol, **13**: 133 - 136.
- Shiba M., M. Furukawa. 1975. Studies on the family Teneriffiidae (Acarina: Prostigmata) in Japan. – Reports of Res. Matsuyama Shinonome Jr. Col., **7**(1): 111 - 126.

- Strand E. 1911/1912. Drei neue Gattungsnamen in Arthropoda. – Int. Ent. Z. Guben, **5**: 287.
- Strandtmann R.W. 1965. Additional notes on Teneriffiidae (Acarina: Prostigmata) with two previously unpublished plates by A.C. Oudemans. – J. Kansas Entom. Soc., **38**(3): 258 - 261.
- Thor S. 1911. Eine neue Acarinenfamilie (Teneriffiidae) und zwei neue Gattungen, die eine von Teneriffa, die andere aus Paraguay. – Zool. Anz., **38**(7-8): 171 - 179.
- Tibbetts T. 1958. A new species in the genus *Neoteneriffiola* from Utah (Acarina: Anystoidea: Teneriffiidae). – Great Basin Naturalist, **18**: 43 - 45.
- Ueckermann E.A., A. van Harten, K.P. Smith Meyer. 2006. The mites and ticks (Acari) of Yemen: an annotated check-list. – Fauna of Arabia, **22**: 243 - 286.
- Ueckermann E.A., M. Khanjani. 2002. A new species of the genus *Austroteneriffia* (Acari: Teneriffiidae) from Iran. – Systematic & Applied Acarology, **7**: 167-172.
- Ueckermann E.A., F. Durucan. 2020. *Teneriffia sebahatae* sp.nov. (Acari: Trombidiformes: Teneriffiidae), the first teneriffiid mite from Turkey. – Systematic and Applied Acarology, **25**(6): 1139 – 1146.
- Wainstein B.A. 1969. A new species from the family Teneriffiidae (Acariformes: Prostigmata). – Zool. Zhurnal, **48**: 1250 - 1252 (In Russian, with Engl. summary).
- Wainstein B.A. 1978. Fam. Teneriffiidae Thor, 1911, in: M.S. Gilyarov (ed.) [Keys for determination of soil-inhabiting mites. Trombidiformes], p.202 - 203, “Nauka”, Moskow, 271 pp. (in Russian).
- Womersley H. 1935. On the occurrence in Australia of Acarina of the Family Teneriffiidae (Trombidoidea). – Rec. South Australian Mus., **5**: 333 - 338.
- Yin Suigong, Bei Naxir, Li Xuejin. 1995. A new genus and new species of Teneriffiidae from China (Acari: Prostigmata). – Acta Zootaxonomica Sinica, **19**(4): 433 - 437.
- Zmudzinski M., M. Skoracki, S. Friedrich. 2021. A new species of Teneriffiidae (Acariformes: Prostigmata) from Ethiopia. – Intern. J. Acarol., **47**(4): 317 – 326.

The Mite Family Pseudocheylidae Oudemans

Pseudocheylidae Oudemans, 1909

Small free - living mites, found under bark, in moss, soil or in bird's nest. Three genera with 24 known species. Widely distributed, but rarely found.

Catalogue of the Family Pseudocheylidae

Family **Pseudocheylidae** Oudemans

Pseudocheylidae Oudemans, 1909:

Type genus: *Pseudocheylus* Berlese, 1888

Genus *Anoplocheylus* Berlese*Anoplocheylus* Berlese, 1910: 210 (subgenus)*Anoplocheylus* (Berlese): Baker & Atyeo, 1964: 262 (genus)Type species: *Pseudocheylus* (*Anoplocheylus*) *europaeus* Berlese, 1910*Rhagina* Womersley, 1935: 336 (Syn. by Baker & Wharton, 1952)Type species: *Rhagina protea* Womersley, 1935***Anoplocheylus aegypticus* Baker et Atyeo***Anoplocheylus aegypticus* Baker & Atyeo, 1964: 267; Gerson, 1967: 367; van Dis & Ueckermann, 1991: 113

Type locality: Ismaelia - Port Said Road, 50 kilometers

Distributon: Egypt

Anoplocheylus bonabjadidiensis* Navaei-Bonab, Bagheri, Ueckermann et ZareiAnoplocheylus bonabjadidiensis* Navaei-Bonab et al., 2011: 421; Navaei-Bonab & Kazazi, 2013: 28

Type locality: Bonabjadid, Marand, East Azerbaijan Province, Iran

Distributon: Iran

Anoplocheylus brasiliensis* Khaustov et TolstikovAnoplocheylus brasiliensis* Khaustov & Tolstikov, 2015: 60

Type locality: Rio de Janeiro, Leme, Atlantic rain forest

Distribution: Brazil

Anoplocheylus brevisetosus* Ueckermann et KhanjaniAnoplocheylus brevisetosus* Ueckermann & Khanjani, 2004: 59

Type locality: Rustenburg, North West Province

Distributon: South Africa

Anoplocheylus clavatus* Baker et AtyeoAnoplocheylus clavatus* Baker & Atyeo, 1964: 265; van Dis & Ueckermann, 1991: 106

Type locality: Gnangara (16 miles north of Perth), Western Australia

Distributon: Australia

Anoplocheylus corticicola* Fungarworn et ButcherAnoplocheylus corticicola* Fungarworn & Butcher, 2015: 2

Type locality: Bangkok, Pathumwan Dist., Chulalongkorn Univ. Campus

Distribution: Thailand

Anoplocheylus europaeus* (Berlese)Pseudocheylus* (*Anoplocheylus*) *europaeus* Berlese, 1910: 210

Anoplocheylus europaeus (Berlese): Baker & Atyeo, 1964: 263; van Dis & Ueckermann, 1991: 106; Livshitz & Mitrofanov, 1973: 771; Ueckermann & Khanjani, 2004: 55

Type locality: Palermo

Distributon: Italy (Sicily)

***Anoplocheylus hapsiscutus* Flechtmann**

Anoplocheylus hapsiscutus Flechtmann, 1971: 49

Type locality: Piracicaba, São Paulo

Distributon: Brazil

***Anoplocheylus kazemii* Bagheri**

Anoplocheylus kazemii Bagheri, in Bagheri et al., 2013: 292

Type locality: Iran

Distributon: Iran

***Anoplocheylus malayeriensis* Ueckermann et Khanjani**

Anoplocheylus malayeriensis Ueckermann & Khanjani, 2004: 55; Navaei-Bonab & Kazazi, 2013: 28

Type locality: Mey, 23 km from Malāyer to Arāk

Distributon: Iran

***Anoplocheylus marivaniensis* Khanjani, Hoseini et Amini**

Anoplocheylus marivaniensis Khanjani, Hoseini & Amini, 2014: 186

Type locality: Merivan, Kurdistan Province

Distributon: Iran

***Anoplocheylus paraclavatus* van Dis et Ueckermann**

Anoplocheylus paraclavatus van Dis & Ueckermann, 1991: 106; Ueckermann & Khanjani, 2004: 55

Type locality: Edenville, Pongola

Distributon: South Africa

***Anoplocheylus protea* (Womersley)**

Rhagina protea Womersley, 1935: 336

Anoplocheylus protea (Womersley): Baker & Atyeo, 1964: 264; van Dis & Ueckermann, 1991: 111; Ueckermann & Khanjani, 2004: 57

Type locality: Glen Osmond, South Australia

Distributon: Australia

Anoplocheylus qorvehiensis Khanjani, Hoseini et Amini

Anoplocheylus qorvehiensis Khanjani, Hoseini & Amini, 2014: 189

Type locality: Qorveh, Kurdistan Province

Distributon: Iran

Anoplocheylus sinai Bagheri

Anoplocheylus sinai Bagheri, in Bagheri et al., 2013: 290; Navaei-Bonab & Kazazi, 2013: 28

Type locality: Iran

Distributon: Iran

Anoplocheylus tauricus Livshitz et Mitrofanov

Anoplocheylus tauricus Livshitz & Mitrofanov, 1973: 770; van Dis & Ueckermann, 1991: 113; Ueckermann & Khanjani, 2004: 65; Bayram & Cobanoğlu, 2006:

Type locality: cape Kazantip, Crimea

Distributon: Turkey, Crimea, Iran

Anoplocheylus tellustrus van Dis et Ueckermann

Anoplocheylus tellustrus van Dis & Ueckermann, 1991: 109

Anoplocheylus reticulatus van Dis & Ueckermann, 1991: 112. Type: Pongola, Edenville, South Africa. Syn. by Ueckermann & Khanjani, 2004: 61

Type locality: Pongola, Edenville

Distributon: South Africa

Anoplocheylus transiens Delfinado et Baker

Anoplocheylus transiens Delfinado & Baker, 1974: 209; van Dis & Ueckermann, 1991: 113; Ueckermann & Khanjani, 2004: 61

Type locality: Heckscher Park, Long Islang, New York

Distributon: USA

Genus ***Neocheylus*** Trägårdh

Neocheylus Trägårdh, 1906: 870

Type species: *Neocheylus natalensis* Trägårdh, 1906

Neocheylus collis Baker et Atyeo

Neocheylus collis Baker & Atyeo, 1964: 270

Type locality: Mount Toolbrunup (Stirling Ranges, 300 miles south from Perth), W. Australia

Distributon: Australia

Neocheylus natalensis Trägårdh

Neocheylus natalensis Trägårdh, 1906: 870

Type locality: Natal

Distributon: South Africa

Neocheylus nidicolus Lawrence

Neocheylus nidicolus Lawrence, 1954: 74

Type locality: Karamoja (Uganda)

Distributon: Uganda

Genus ***Pseudocheylus*** Berlese

Pseudocheylus Berlese, 1888: 189

Type species: *Pseudocheylus biscalatus* Berlese, 1888

Pseudocheylus americanus (Ewing)

Cheyletiella americana Ewing, 1909: 429

Pseudocheylus americanus (Ewing): Baker & Wharton, 1952: 226; Skvarla et al., 2013: 401

Type locality: Urbana, Illinois

Distributon: USA (Illinois)

Pseudocheylus biscalatus Berlese

Pseudocheylus biscalatus Berlese, 1888: 189; Flechtmann, 1971: 33

Type locality: Rio-Apa (Paraguay), Mato Grosso (Brazil)

Distribution: Brazil, Paraguay

Index of Pseudocheylidae

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

aegypticus, *Anoplocheylus* 296

americana, *Cheyletiella* 299

americanus, *Pseudocheylus* 299

Anoplocheylus 296

biscalatus, *Pseudocheylus* 299

bonabjadidiensis, *Anoplocheylus* 296

brasiliensis, *Anoplocheylus* 296

brevisetosus, *Anoplocheylus* 296

clavatus, *Anoplocheylus* 296

collis, *Neocheylus* 298

corticicola, *Anoplocheylus* 296

europaeus, *Anoplocheylus* 296

europaeus, *Pseudocheylus* (*Anoplocheylus*) 296

hapsiscutus, *Anoplocheylus* 297

kazemii, *Anoplochaeylus* 297

malayeriensis, *Anoplocheylus* 297

marivaniensis, *Anoplocheylus* 297

natalensis, *Neocheylus* 298

Neocheylus 298a

nidicolus, *Neocheylus* 299

paraclavatus, *Anoplocheylus* 297

protea, *Anoplocheylus* 297

protea, *Rhagina* 297

Pseudocheylidae 295

Pseudocheylus 299

qorvehiensis, *Anoplocheylus* 298

reticulatus, *Anoplocheylus* 297

Rhagina 296

sinai, *Anoplocheylus* 298

tauricus, *Anoplocheylus* 298

tellustrus, *Anoplocheylus* 298

transiens, *Anoplocheylus* 298

Distribution of Pseudocheylidae

EUROPE

Italy (contin.)

Sicily (Berlese, 1910) – *Anoplocheylus europaeus*

Russia

Crimea (Livshitz & Mitrofanov, 1973) – *Anoplocheylus tauricus*

Turkey (all)(Bayram & Cobanoğlu, 2006) - *Anoplocheylus tauricus*

AFRICA

Egypt (Baker & Atyeo, 1964) – *Anoplocheylus aegyptiacus*

South Africa (Trägårdh, 1906; van Dis & Ueckermann, 1991; Ueckermann & Khanjani, 2004) – *Anoplocheylus brevisetosus*, *A. paraclavatus*, *A. tellustrus* (= *reticulatus*), *Neocheylus natalensis*

Uganda (Lawrence, 1954) – *Neocheylus nidicolus*

ASIA

Iran (Ueckermann & Khanjani, 2004; Navaei-Bonab et al., 2011; Bagheri et al., 2013; Navaei-Bonab & Kazazi, 2013: 28; Khanjani, Hoseini & Amini, 2014) – *Anoplocheylus bonabjadidiensis*, *A. kazemii*, *A. malayeriensis*, *A. marivaniensis*, *A. qorvehiensis*, *A. sinai*, *A. tauricus*

Israel (Gerson, 1967) - *Anoplocheylus aegyptiacus*

Thailand (Fuangarworn & Butcher, 2015) – *Anoplocheylus corticicola*

NORTH AMERICA

Canada (Smith & Lindquist, 1979) – *one species*

USA (Ewing, 1909; Delfinado & Baker, 1974; Skvarla et al., 2013) – *Anoplocheylus transiens*, *Pseudocheylus americanus*

SOUTH and CENTRAL AMERICA

Brazil (Berlese, 1888; Flechtmann, 1971; Khaustov & Tolstikov, 2015) – *Anoplocheylus brasiliensis*, *A. hapsiscutus*, *Pseudocheylus biscalatus*

Paraguay (Berlese, 1888) - *Pseudocheylus biscalatus*

OCEANIA

Australia (continent) (Womersley, 1935; Baker & Atyeo, 1964) – *Anoplocheylus clavatus*,
A. protea, *Neocheylus collis*

Bibliography of Pseudocheylidae

- Baker E., W. Atyeo. 1964. A Review of the Mites of the Family Pseudocheylidae Oudemans, 1909 (Acarina, Prostigmata). – Bull. Univ. of Nebraska State Museum, **4**(12): 257 - 272.
- Baker E.W., G.W. Wharton. 1952. An Introduction to Acarology. - Macmillan Co., New York.
- Bagheri M., E. Zarei, M. Ahaniazad, Gh. Gharekhany, R. Navaei-Bonab. 2013. Two new species of the genus *Anoplocheylus* Berlese, 1910 (Acari: Trombidiformes: Pseudocheylidae) from Iran. – Zootaxa, **3599**(3): 291 – 297.
- Bayram S., S. Cobanoglu. 2006. Astigmata and Prostigmata (Acari) of Bulbaceous Ornamental Plants in Ankara, Turkey. – Acta Phytopathologica et Entomologica Hungarica, **41**(3-4): 367 - 381
- Berlese A. 1888. Acari Austro-Americani quos collegit Aloysius Balzan. Manipulus primus. – Bull. Soc. Ent. Ital., **20**: 171 - 222.
- Berlese A. 1910. Acari nuovi. Manipulus V. – Redia, **6**: 199 - 234. Delfinado M., E.W. Baker. 1974. Terrestrial Mites of New York (Acarina: Prostigmata), I – Tarsocheylidae, Paratydeidae, and Pseudocheylidae. – New York Ent. Soc., **82**: 202 - 211.
- Ewing H.E. 1909. A systematic and biological study of the Acarina of Illinois. – Univ. Illinois Bull., **7**(14): 77 - 78.
- Flechtmann C.H.W. 1971. Alguns Trombidiformes do Brasil e do Paraguai (Acari). Piracicaba, Estado de Sao Paulo: 63+16 pp.
- Fuangularworn M., B.A. Butcher. 2015. Contribution to the family Pseudocheylidae (Acari, Trombidiformes) from Thailand: one new species and one new record of *Anoplocheylus* Berlese, with observations on their onthogeny. - Intern. J. of Acarology, **41**(8): 625 – 641.
- Gerson U. 1967. Some cheyletid and pseudocheyletid mites from Israel. – Acarologia, **9**: 359 – 369.
- Khanjani M., M.A. Hoseini, F. Amini. 2014. Two new *Anoplocheylus* species (Acari: Trombidiformes: Pseudocheylidae) from Kurdistan province of Iran. – Zootaxa, **3861**(2): 185 – 192.
- Khaustov A.A., A.V. Tolstikov. 2015. First record of mites of the genus *Anoplocheylus* (Acari: Pseudocheylidae) in South America with description of a new species from Brazil. – Neotropical Entomology, **44**(1): 59 – 67.
- Lawrence R.F. 1954. The known African species of Cheyletidae and Pseudocheylidae (Acarina, Prostigmata). – Ann. Natal Museum, **13**(1): 65 - 77.
- Livshitz I.S., V.I. Mitrofanov. 1973. A new species of the genus *Anoplocheylus* (Trombidiformes, Pseudocheylidae) from Crimea. – Zool. Zhurnal, **52**(5): 70 - 771 (in Russian, summ. Engl.).

- Navaei-Bonab R., M. Bagheri, E.A. Ueckermann, E. Zarei. 2011. Description of a new species of *Anoplocheylus* Berlese, 1910 (Acari: Trombidiformes: Pseudocheylidae) from Iran. – *Acarologia*, **51**(4): 419 – 423.
- Navaei-Bonab R., M. Kazazi. 2013. Some Pseudocheylidae (Acari: Trombidiformes) of Marand (Northwest of Iran). In: Program and Abstract book of the Second Intern. Persian Congress of Acarology, Karaj, Iran, p.28.
- Oudemans A.C. 1909. Acarologische Aantek. 26. – Ent. Berichte, **II**(47): 317 – 320. Skvarla M.J., J. R. Fisher, A.P.G. Dowling. 2013. On some mites (Acari: Prostigmata) from the Interior Highlands: descriptions of the male, immature stages, and female reproductive system of *Pseudocheylus americanus* (Ewing, 1909) and some new state records for Arkansas. – *Zootaxa*, **3641**(4): 401 – 419.
- Smith I.M., E.E. Lindquist. 1979. Prostigmata. In: H.V. Danks (ed.), Canada and its Insect fauna. - Memoirs of the Entomology Society of Canada, **108**: 267–277.
- Trägårdh I. 1906. Neue Acariden aus Natal und Zululand. – *Zool. Anz.*, **30**: 870 - 877.
- Trägårdh I. 1950. Description of a new species of *Heterocheylus* Lombardini from Africa, with notes on the classification of the Pseudocheylidae. - *Entomologisk Tidskrift*, **71**(2): 104–110.
- Ueckermann E.A., M. Khanjani. 2004. A revision of the genus *Anoplocheylus* Berlese (Acari: Pseudocheylidae), with the description of two new and re-description of four known species. – *Syst. & Applied Acarology*, **9**: 53 - 68.
- Van Dis J.C.S., E.A. Ueckermann. 1991. A review of the Pseudocheylidae Oudemans (Acari: Prostigmata). – *Phytophylactica*, **23**(2): 105 - 113.
- Womersley H. 1935. On the occurrence in Australia of Acarina of the Family Teneriffiidae (Trombidoidea). - *Rec. South Australian Mus.*, **5**: 333 - 338.

The Mite Family Stigmocheylidae Berlese

Stigmocheylidae Berlese, 1910: 209

Small family (five known species) of soil mites.

Catalogue of Stigmocheylidae

Family **Stigmocheylidae** Berlese

Stigmocheylidae Berlese, 1910b: 209; Kethley, 1990: 698

Type genus: *Stigmocheylus* Berlese, 1910

Genus ***Stigmocheylus*** Berlese

Stigmocheylus Berlese, 1910a: 209

Type species: *Stigmocheylus brevisetus* Berlese, 1910

Stigmocheylus americanus Bochkov

Stigmocheylus americanus Bochkov, 2008: 315

Type locality: Las Cruces, Jornada, New Mexico

Distribution: USA (New Mexico)

Stigmocheylus brevisetus Berlese

Stigmocheylus brevisetus Berlese, 1910a: 209

Type locality: Pisa

Distribution: Italy

Stigmocheylus oberon Bochkov

Stigmocheylus oberon Bochkov, 2008: 314

Type locality: New Mexico

Distribution: USA (New Mexico)

Stigmocheylus persicus Damavandian et Paktinat-Saeij

Stigmocheylus persicus Damavandian & Paktinat-Saeij, 2018: 2160

Type locality: Noor, Mazandaran province, northern Iran

Distribution: Iran

Stigmocheylus pilosus (Soliman et Zaher)

Hemitarsocheylus pilosus Soliman & Zaher, 1975: 105

Stigmocheylus pilosus (Soliman et Zaher): Bochkov, 2008: 314

Type locality: Giza

Distribution: Egypt

Index of **Stigmocheylidae**

(Names in bold are accepted as valid)

americanus, *Stigmocheylus* 303

brevisetus, *Stigmocheylus* 303

oberon, *Stigmocheylus* 303

persicus, *Stigmocheylus* 303

pilosus, *Hemitarsocheylus* 303

pilosus, *Stigmocheylus* 303

Stigmocheylus 303

Stigmocheylidae 302

Distribution of Stigmocheylidae

EUROPE

Italy (Berlese, 1910) - *Stigmocheylus brevisetus*

AFRICA

Egypt (Soliman & Zaher, 1975) – *Stigmocheylus pilosus*

ASIA

Iran (Naghbinejad, Ahadiyat, & Ostovan, 2009; Damavandian & Paktinat-Saeij, 2018)
– *Stigmocheylus persicus*

NORTH AMERICA

USA (Bochkov, 2008) – *Stigmocheylus americanus*, *S. oberon*

Bibliography of Stigmocheylidae

- Baker E., W. Atyeo. 1964. A Review of the Mites of the Family Pseudocheylidae Oudemans, 1909 (Acarina, Prostigmata). – Bull. Univ. of Nebraska State Museum, **4**(12): 257 - 272.
- Berlese A. 1910a. Acari nuovi. Manipulus V. – Redia, **6**: 199 - 234.
- Bochkov A. V. 2008. A review of the mite family Stigmocheylidae Berlese (Acari: Prostigmata). – Annales Zoologici (Warsaw), **58**(2): 311 - 325. Damavandian M.R., S. Paktinat-Saeij. 2018. First new species of the family Stigmocheylidae (Acari: Prostigmata: Paratydeoidea) from Asia. - Syst. & Applied Acarology, **23**(11): 2159 – 2164.
- Damavandian M. R., S Paktinat - Saey. 2018. First new species of the family Stigmocheylidae (Acari: Prostigmata: Paratydeoidea) from Asia. Syst. and applied acarology **23** (11).
- Kethley J.B. 1990. Acarina: Prostigmata (Actinedida), pp. 667–756. In: D. L. Dindal (ed). Soil Biology Guide. Wiley, New York.
- Lindquist E.E. 1976. Transfer of the Tarsocheylidae to the Heterostigmata, and reassignment of the Tarsonemina and Heterostigmata to lower hierarchic status in the Prostigmata (Acari). – The Canadian Entomologist, **108**: 23 - 48.
- Naghbinejad M., A. Ahadiyat, H. Ostovan. 2009. First report of the family Stigmocheylidae (Trombidiformes: Paratydeoidea) from Iran. - Plant Protection Journal, **3**(1): 341–343 (In Persian).
- Soliman Z.R., M.A. Zaher. 1975. *Hemitarsocheylus* a new genus from the family Tarsocheylidae with a description of a new species. - Acarologia, **17**: 103–105.

The mite Superfamily Caeculoidea

Superfamily Caeculoidea Ewing, 1934

Phalanx Caeculata Wainstein, 1965: 77

The superfamily contains one family – Caeculidae.

The mite family Caeculidae

Family Caeculidae Berlese, 1883

Dufour (1832) started the study of these peculiar mites, called after the mythical son of Vulcan. They prefer the open rocky habitats and are known already from all continents. The second genus in the family (*Procaeculus*) was described by Jacot (1936), more than a century after the first. The low intensity of the studies of Caeculidae of many countries is shown by the multitude of species, found in the USA by several authors, mostly by Mulaik (1945), and (after 1952) in Spain, Morocco, N. Macedonia and Chad by H. Franz, who revised the family (Franz, 1952), describing the new genera *Allocaeculus* and *Microcaeculus*, and compiling a list of all known Caeculidae. Very profound research on the family was enterprised by Y. Coineau since 1963. He described several new species, mainly from Southern Africa, and the new genera *Calocaeculus*, *Andocaeculus*, and *Neocaeculus*. Three new species have been described from Australia (Taylor, Gunawardene & Kinnear, 2013, Taylor, 2014) and one from Thailand (Fuangarworn & Butcher, 2015) and Canada (Bernard et al., 2020). One new *Allocaeculus* was described from Slovakia (Mangová et al., 2014), another one from Turkey (Per et al., 2017). New checklist of the family was published by Taylor et al. (2013).

Fossil species have been described from amber from Poland, Myanmar, Mexico, and Dominican Republic (Coineau & Magowski, 1994, Coineau & Poinar, 2000, Rivas et al., 2016, Porta et al., 2019).

Now the family is considered to contain at least 114 sp. in seven genera.

Fam. Caeculidae – 114 sp.

Allocaeculus Franz, 1952 – 36 sp.

Andocaeculus Coineau, 1974 - 5

Caeculus Dufour, 1832 - 21

Calocaeculus Coineau, 1974 - 1

Microcaeculus Franz, 1952 - 25

Neocaeculus Coineau, 1967 – 12

Procaeculus Jacot, 1936 - 13

Incertae sedis - 1

Catalogue of Caeculidae

Family **Caeculidae** Berlese

Hoplopini Canestrini & Fanzago, 1877: 481

Caeculidae Berlese, 1883

Type genus: *Caeculus* Dufour, 1832

Genus ***Allocaeculus*** Franz

Allocaeculus Franz, 1952: 108

Type species: *Allocaeculus relictus* Franz, 1952

Allocaeculus andalusiacus Franz

Allocaeculus andalusiacus Franz, 1952: 113

Type locality: Sevilla, Cinca de Pino, Andalusia

Distribution: Spain

Allocaeculus catalanus Franz

Allocaeculus catalanus Franz, 1952: 2; 1954: 210; 1955: 12

Type locality: Gerona (Spain), Eastern Pyrenees (France)

Distribution: France, Kazakhstan, Russia, Spain

Allocaeculus circinatus Coineau

Allocaeculus circinatus Coineau, 1974b: 278

Type locality: Ghaub Farm in Ovidi highlands, 25 km S Tsumeb

Distribution: Namibia

Allocaeculus dubius (Kulczynski)

Caeculus dubius Kulczynski, 1901: 367

Allocaeculus dubius (Kulczynski): Franz, 1952: 122

Type locality: Algeria

Distribution: Algeria

Allocaeculus echinatus Franz

Allocaeculus echinatus Franz, 1952: 118

Type locality: Sevilla, Andalusia

Distribution: Spain

Allocaeculus erinaceus Coineau

Allocaeculus erinaceus Coineau, 1974b: 277

Type locality: Ingwavuma

Distribution: South Africa

***Allocaeculus grandjeani* Franz**

Allocaeculus grandjeani Franz, 1957: 10

Type locality: Khenifra

Distribution: Morocco

***Allocaeculus hirsutus* Coineau**

Allocaeculus hirsutus Coineau, 1974b: 277

Type locality: Glencoe

Distribution: South Africa

***Allocaeculus hoggarensis* (André)**

Caeculus hoggarensis André, 1936: 111

Allocaeculus hoggarensis (André): Franz, 1952: 122; Piffel, 1959: 54

Type locality: Hoggar, Mt Ilaman

Distribution: Algeria

***Allocaeculus hystriciformis* Franz**

Allocaeculus hystriciformis Franz, 1952: 120

Type locality: Mte Arastepa in Sierra Ronda

Distribution: Spain

***Allocaeculus hystrix* (Lawrence)**

Caeculus hystrix Lawrence, 1939: 542

Allocaeculus hystrix (Lawrence): Franz, 1952: 122

Type locality: Zululand, Hluhluve Game Reserve

Distribution: South Africa

***Allocaeculus indicus* Piffel**

Allocaeculus indicus Piffel, 1959: 52

Type locality: Saidu Sharif, Swat Area, NW Pakistan

Distribution: Pakistan

***Allocaeculus kalahariensis* Coineau**

Allocaeculus kalahariensis Coineau, 1974b: 277

Type locality: Kalahari Gemsbok National Park

Distribution: South Africa

***Allocaeculus kenya* Franz**

Allocaeculus kenya Franz, 1964: 82

Type locality: 8 km N Nairobi

Distribution: Kenya

Allocaeculus kocheri Franz

Allocaeculus kocheri Franz, 1964: 84

Type locality: Oukaimeden, 2300 m

Distribution: Morocco

Allocaeculus logonensis Franz

Allocaeculus logonensis Franz, 1957: 6

Type locality: Logon, Deressia nr. Lai

Distribution: Chad

Allocaeculus meseticola Franz

Allocaeculus meseticola Franz, 1952: 114; 1955: 14

Type locality: Alcala de Henares

Distribution: Spain

Allocaeculus mosambicensis (André)

Caeculus mosambicensis André, 1936: 115

Allocaeculus mosambicensis (André): Franz, 1952: 122; 1957: 12; Piffel, 1959: 54

Type locality: Vila Pery

Distribution: Mozambique

Allocaeculus multispinosus Franz

Allocaeculus multispinosus Franz, 1955: 11; 1960: 86

Type locality: Puerto de Perales, Sierra de Gata

Distribution: Spain, Turkey

Allocaeculus nigeriensis Coineau

Allocaeculus nigeriensis Coineau, 1974b: 278

Type locality: Ibadan

Distribution: Nigeria

Allocaeculus ouadaiensis Franz

Allocaeculus ouadaiensis Franz, 1957: 7

Type locality: Mont Kelinguen nr. Abecher

Distribution: Chad

Allocaeculus pilosus Lawrence

Caeculus pilosus Lawrence, 1938: 211

Allocaeculus pilosus (Lawrence): Franz, 1952: 122; 1957: 12; Piffel, 1959: 54

Type locality: N. Damaraland

Distribution: Namibia

***Allocaeculus relictus* Franz**

Allocaeculus relictus Franz, 1952: 111; 1954b: 369; 1955: 15; Winkler, 1953: 55

Type locality: “Kalvarienberg b. Gumpoldskirchen”, Austria

Distribution: Austria, Czech Rep.

***Allocaeculus sandbergensis* Mangová, Krumpál et Luptáčik**

Allocaeculus sandbergensis Mangová, Krumpál & Luptáčik, 2014: 214

Type locality: National nature reserve Devínska Kobyla near Sandberg

Distribution: Slovakia

***Allocaeculus sarhroi* Franz**

Allocaeculus sarhroi Franz, 1964: 86

Type locality: Tizi-n-Tazazerte, Jbel Sarhro, 2100 m

Distribution: Morocco

***Allocaeculus schusteri* Franz**

Allocaeculus schusteri Franz, 1960: 83

Type locality: Ohrid

Distribution: N. Macedonia

***Allocaeculus sclerodermatus* André**

Caeculus sclerodermatus André, 1936: 106

Allocaeculus sclerodermatus (André): Franz, 1952: 122; 1957: 12; Piffel, 1959: 54

Type locality: South Tunisia, Nefta

Distribution: Tunisia

***Allocaeculus sculptus* (Karpelles)**

Hoplopus sculptus Karpelles, 1893: 39

Caeculus sculptus Karpelles, 1893: 39

Allocaeculus sculptus (Karpelles): Franz, 1952: 122; Piffel, 1959: 54

Type locality: Hungary

Distribution: Hungary

***Allocaeculus senegalensis* (André)**

Caeculus senegalensis André, 1938: 264

Allocaeculus senegalensis (André): Taylor et al., 2013: 448

Type locality: Dakar

Distribution: Senegal

Allocaeculus sirwani Paktinat-Saeij, Ghobari et Samani

Allocaeculus sirwani Paktinat-Saeij, Ghobari & Samani, 2020: 834

Type locality: Marivan city, Kurdistan Province

Distribution: Iran

Allocaeculus spatulifer (Michael)

Caeculus spatulifer Michael, 1890: 432; Vitzthum, 1933: 87

Allocaeculus spatulifer (Michael): Franz, 1952: 122

Type locality: Algeria

Distribution: Algeria, Croatia, Spain

Allocaeculus spinosissimus Franz

Allocaeculus spinosissimus Franz, 1952: 116

Allocaeculus spinosissimus rondae Franz, 1952: 118. Type locality: Mte Arastepa in Sierra Ronda

Type locality: Sierra Guadarrama above Escorial

Distribution: Spain

Allocaeculus sudanensis (Trägårdh)

Caeculus sudanensis Trägårdh, 1904: 70

Allocaeculus sudanensis: Franz, 1952: 122

Type locality: "Gebelein am weissen Nil"

Distribution: Sudan

Allocaeculus tenerifae Franz

Allocaeculus tenerifae Franz, 1965: 67

Type locality: Las Madrigueras (S. Tenerife)

Distribution: Spain (Canary Is.)

Allocaeculus tschadensis Franz

Allocaeculus tschadensis Franz, 1957: 8; 1964: 86

Type locality: Mont Kelinguen nr. Abecher (Chad)

Distribution: Chad, Morocco, Senegal

Allocaeculus tschadensis rifensis Franz

Allocaeculus tschadensis rifensis Franz, 1960: 84

Type locality: Zoco el Arba, road Tetuan - Xauen

Distribution: Morocco

Allocaeculus turcicus Per, Doğan, Zeytun et Ayyıldız

Allocaeculus turcicus Per, Doğan, Zeytun & Ayyıldız, 2017: 371

Type locality: Karamlıkdere Valley, Yozgat, 844 m

Distribution: Turkey

Genus ***Andocaeculus*** Coineau

Andocaeculus Coineau, 1974b: 279

Type species: *Microcaeculus brundini* Franz, 1962

Andocaeculus beatrizrosso Porta, Pizarro-Araya et Ramírez

Andocaeculus beatrizrosso Porta, Pizarro-Araya & Ramírez, 2021: 42

Type locality: Argentina

Distribution: Argentina

Andocaeculus brundini (Franz)

Microcaeculus Brundini Franz, 1962: 99

Andocaeculus brundini (Franz): Coineau, 1974b: 279

Type locality: Arroyo Lopez, W from Bariloche (Prov. Rio Negro)

Distribution: Argentina

Andocaeculus burmeisteri Porta, Pizarro-Araya et Ramírez

Andocaeculus burmeisteri Porta, Pizarro-Araya & Ramírez, 2021: 28

Type locality: Argentina

Distribution: Argentina

Andocaeculus caioi Ott et Ott

Andocaeculus caioi Ott & Ott, 2014: 356

Type locality: Fazenda Rincão dos Moraes, Área de Proteção Ambiental do Rio Ibirapuitã,
Sant'Ana do Livramento, Rio Grande do Sul

Distribution: Brazil

Andocaeculus weinrauchi (Franz)

Microcaeculus weinrauchi Franz, 1964: 89

Andocaeculus weinrauchi:

Type locality: Puna "El Infernillo", 3000 m

Distribution: Argentina

Genus ***Caeculus*** Dufour

Caeculus Dufour, 1832: 289

Hoplopus Canestrini & Fanzago, 1877: 480 (replacement name)

Type species: *Caeculus echinipes* Dufour, 1832

Pseudocaeculus Coineau, 1974 (unavailable name)

Pseudocaeculus americanus (Banks): Taylor et al., 2013: 448.

***Caeculus americanus* Banks**

Caeculus americanus Banks, 1899: 221; McDaniel & Boe, 1990: 722

Type locality: Palm Springs, California

Distribution: USA (California)

***Caeculus archeri* Mulaik**

Caeculus archeri Mulaik, 1945: 13; Franz, 1952: 121; McDaniel & Boe, 1990: 723

Type locality: Monte Sano, Madison Co., Alabama

Distribution: USA (Alabama, Tennessee)

***Caeculus calechius* Mulaik**

Caeculus calechius Mulaik, 1945: 5; Franz, 1952: 121; McDaniel & Boe, 1990: 723

Type locality: Edinburg, Hidalgo Co., Texas

Distribution: USA (Montana, Texas, Utah)

***Caeculus cassiopeiae* Bernard et Lumley**

Caeculus cassiopeiae Bernard & Lumley, in: Bernard, Lumley, Buck & Cobb. 2020: 2

Type locality: Alberta, Medicine Hat, near Gas City Campground; 50°2.23'N, 110°43.56'W

Distribution: Canada

***Caeculus clavatus* Banks**

Caeculus clavatus Banks, 1906: 135; Franz, 1952: 121; McDaniel & Boe, 1990: 722

Type locality: USA (California)

Distribution: USA (California)

***Caeculus cremnicolus* Enns**

Caeculus cremnicolus Enns, 1958: 107; Skvarla, Fisher & Dowling, 2013: 401; Bernard et al., 2020:

Type locality: Baskett Wildlife Research and Education Area, Devil's Backbone; Easley; Wilton, Missouri

Distribution: Canada, USA (Arkansas, Missouri)

***Caeculus crossleyi* Coineau**

Caeculus crossleyi Coineau, 1974b: 276

Type locality: DeKalb & Rockdale Counties

Distribution: USA (Georgia)

***Caeculus dorotheae* Mulaik**

Caeculus dorotheae Mulaik, 1945: 9; Franz, 1952: 121; McDaniel & Boe, 1990: 722
(*dorotheae*)

Type locality: Lockes, Nye Co., Nevada

Distribution: USA (Arizona, Nevada)

***Caeculus echinipes* Dufour**

Caeculus echinipes Dufour, 1832: 289; André, 1927: 168; 1932: 485; Irk, 1939: 154; Willmann, 1951: 148; Franz, 1952: 98; 1954a: 212; 1954b: 369; Kratochvil, 1962: 174; Schmölzer, 1962: 286; Coineau & Haupt, 1976

Hoplopus echinipes: Canestrini & Fanzago, 1877: 477

Type locality: Moxente (Valencia)

Distribution: Algeria, Austria, Bulgaria, France, Germany, Greece, Italy, Spain, Switzerland

***Caeculus echinipes crosbyi* Jacot**

Caeculus echinipes crosbyi Jacot, 1936: 18; Franz, 1952: 121

Caeculus echinipes: Franz, 1955: 14

Type locality: Pic du Midi de Bigorre, Pyrenees

Distribution: France

***Caeculus gertschi* Mulaik**

Caeculus gertschi Mulaik, 1945: 8; Franz, 1952: 121

Type locality: Rio Grande City, Starr Co., Texas

Distribution: USA (Texas)

***Caeculus hardyi* Mulaik et Allred**

Caeculus hardyi Mulaik & Allred, 1954: 36; McDaniel & Boe, 1990: 723

Type locality: Laredo, Harlingen (New Mexico, Texas), San Pedro (Mexico)

Distribution: Mexico, USA

***Caeculus hypopachus* Mulaik**

Caeculus hypopachus Mulaik, 1945: 10; Franz, 1952: 122; McDaniel & Boe, 1990: 723

Type locality: Edinburg, Hidalgo Co., Texas, in stomach of toad (*Hypopachus cuneus*)

Distribution: USA (Texas)

***Caeculus janetae* Higgins et Mulaik**

Caeculus janetae Higgins & Mulaik, 1957b: 267

Type locality: SW USA

Distribution: USA

***Caeculus kerrulius* Mulaik**

Caeculus kerrulius Mulaik, 1945: 8; Franz, 1952: 122; McDaniel & Boe, 1990: 722

Type locality: Kerrville, KerrCo., Texas

Distribution: USA (Texas)

Caeculus krantzi Coineau

Caeculus krantzi Coineau, 1974b: 276

Type locality: Manzanita, 32 mi E of Sweet Home, Oregon

Distribution: USA (Oregon)

Caeculus lewisi McDaniel et Boe

Caeculus lewisi McDaniel & Boe, 1990: 716

Type locality: South Dakota

Distribution: USA (South Dakota)

Caeculus mariae Higgins et Mulaik

Caeculus mariae Higgins & Mulaik, 1957a: 27

Type locality: Oregon

Distribution: USA (Oregon)

Caeculus pettiti Nevin

Caeculus pettiti Nevin, 1943: 389; 1945: 195; Franz, 1952: 122; McDaniel & Boe, 1990: 723

Type locality: Virginia

Distribution: USA

Caeculus tipus Mulaik

Caeculus tipus Mulaik, 1945: 6; Mulaik & Allred, 1954: 38; Franz, 1952: 122; McDaniel & Boe, 1990: 723

Type locality: Edinburg, Hidalgo Co., Texas

Distribution: USA (Utah, Texas)

Caeculus valverdius Mulaik

Caeculus valverdius Mulaik, 1945: 6; Franz, 1952: 122; McDaniel & Boe, 1990: 72

Type locality: Edinburg, Hidalgo Co., Texas

Distribution: USA (Arizona, Texas)

Caeculus veracruzensis Porta et Vázquez Rojas

Caeculus veracruzensis Porta & Vázquez Rojas, 2020: 473

Type locality: La Mancha, Veracruz

Distribution: Mexico

Genus ***Calocaeculus*** Coineau

Calocaeculus Coineau, 1974b: 279

Type species: *Calocaeculus lawrencei* Coineau, 1974

Calocaeculus lawrencei Coineau

Calocaeculus lawrencei Coineau, 1974b: 279

Type locality: Pearston in Somerset East

Distribution: South Africa

Genus ***Microcaeculus*** Franz

Microcaeculus Franz, 1952: 101

Type species: *Microcaeculus austriacus* Franz, 1952

Scleroaeculus Coineau, 1974

Type species: *Scleroaeculus namibensis* (Piffel, 1965)

Microcaeculus andrei (Lawrence)

Caeculus Andrei Lawrence, 1939: 540

Microcaeculus andrei (Lawrence): Franz, 1952: 122; Halliday, 2005: 28

Type locality: South Africa

Distribution: South Africa

Microcaeculus austriacus Franz

Microcaeculus austriacus Franz, 1952: 103; 1954b: 369; Pieper, 1970: 106; Thaler et al., 1993: 311

Type locality: “Kalvarienberg b. Gumpoldskirchen a. O-Hang des Anningers südl. v. Wien” (Austria)

Distribution: Austria, Czech Rep., Germany

Microcaeculus canariensis Franz

Microcaeculus canariensis Franz, 1965: 68

Type locality: Ortes Los Cristianos (Tenerife)

Distribution: Spain (Canary Is.)

Microcaeculus castrii Franz

Microcaeculus castrii Franz, 1964: 87

Type locality: Cordillera de la Costa, Prov. De Coquimbo, Alcones (and several other localities)

Distribution: Chile

Microcaeculus deserticolus (Lawrence)

Caeculus deserticolus Lawrence, 1939: 537

Microcaeculus deserticolus (Lawrence): Franz, 1952: 122

Scleroaeculus deserticolus (Lawrence) – Coineau, 1974: 59

Type locality: Kakamas, Namaqualand

Distribution: South Africa

Microcaeculus franzi Coineau*Microcaeculus franzi* Coineau, 1968: 143

Type locality: Ghisonaccia, Corsica

Distribution: Corsica

Microcaeculus graecus Franz*Microcaeculus graecus* Franz, 1964: 91

Type locality: Arachova, 2000 m

Distribution: Greece

Microcaeculus hispanicus Franz*Microcaeculus hispanicus* Franz, 1952: 105; Coineau, 1966: 23

Type locality: Alcalá de Henares (Spain)

Distribution: France, Spain

Microcaeculus insolitus (André)*Caeculus insolitus* André, 1935: 113*Microcaeculus insolitus* (André): Franz, 1952: 122

Type locality: Grande Salvage

Distribution: Salvages Islands (Portugal)

Microcaeculus insularis Franz*Microcaeculus insularis* Franz, 1964: 90

Type locality: The Big Island against Essaouira (Mogador)

Distribution: Morocco

Microcaeculus laoshanensis (Jacot)*Caeculus laoshanensis* Jacot, 1936: 20*Microcaeculus laoshanensis* (Jacot): Franz, 1952: 122

Type locality: Laoshan

Distribution: China

Microcaeculus liguricus (Vitzthum)*Caeculus liguricus* Vitzthum, 1933: 87; Willmann, 1954: 237*Microcaeculus liguricus* (Vitzthum): Franz, 1952: 122

Type locality: Coast of Liguria

Distribution: Czech Rep., Italy, Morocco

Microcaeculus monticolus (Lawrence)*Caeculus monticolus* Lawrence, 1939: 539*Microcaeculus monticolus* (Lawrence): Franz, 1952: 122; Halliday, 2005: 28

Type locality: South Africa

Distribution: South Africa

Microcaeculus muscorum (Lucas)

Caeculus muscorum Lucas, 1849: 307

Microcaeculus muscorum (Lucas): Franz, 1952: 122

Type locality: Algeria

Distribution: Algeria

Microcaeculus namibensis Piffel

Microcaeculus namibensis Piffel, 1965: 1

Scleroaeculus namibensis (Piffel): Taylor et al., 2013: 449

Type locality: Namibia

Distribution: Namibia

Microcaeculus nicoleae Coineau

Microcaeculus nicoleae Coineau, 1974b: 276

Type locality: Bloeddrif

Distribution: South Africa

Microcaeculus nudus Franz

Microcaeculus nudus Franz, 1964: 88

Type locality: Serro El Roble, Cordillera de la Costa, Provincias de Valparaiso y .Santiago,
Gipfel del Cerro

Distribution: Chile

Microcaeculus pica Otto

Microcaeculus pica Otto, 2009: 6

Type locality: New South Wales, Guerilla Bay

Distribution: Australia (NSW)

Microcaeculus pisanus (André)

Caeculus pisanus André, 1936: 123; Franz, 1952: 122 (Inc. sed.)

Microcaeculus pisanus (André): Taylor et al., 2013: 449

Type locality: Italy

Distribution: Italy

Microcaeculus sabulicola Franz

Microcaeculus sabulicola Franz, 1952: 107; Coineau, 1969b: 207

Type locality: "Andalusien, am Sandstrand westl. Algeciras" (Spain)

Distribution: France, Morocco, Portugal, Spain

Microcaeculus sinensis (Jacot)

Caeculus sinensis Jacot, 1936: 22

Microcaeculus sinensis (Jacot): Franz, 1952: 122

Type locality: China

Distribution: China

Microcaeculus sinensis taishanicus (Jacot)

Caeculus sinensis taishanicus Jacot, 1936: 22

Microcaeculus sinensis taishanicus (Jacot): Franz, 1952: 122

Type locality: Taishan

Distribution: China

Microcaeculus steineri Franz

Microcaeculus hispanicus steineri Franz, 1955: 9

Microcaeculus steineri Franz:

Type locality: Sierra Nevada, 2700 m

Distribution: Spain

Microcaeculus steineri delamarei Coineau

Microcaeculus steineri delamarei Coineau, 1974b: 276

Type locality: Font Estramer, 12 km N from Perpignan

Distribution: France

Microcaeculus stephani Coineau et Haupt

Microcaeculus stephani Coineau & Haupt, 1978: 622

Type locality: Formentera, Playa Mitjora

Distribution: Spain (Formentera, Pityusas)

Microcaeculus tibbettsi (Higgins et Mulaik)

Caeculus tibbettsi Higgins & Mulaik, 1958: 17

Microcaeculus tibbettsi (Higgins et Mulaik): Franz, 1962: 100

Type locality: Seoul

Distribution: Korea

Microcaeculus uchidai (Asanuma)

Caeculus uchidai Asanuma, 1940: 271

Microcaeculus uchidai (Asanuma): Taylor et al., 2013: 449

Type locality: Japan

Distribution: Japan

Genus ***Neocaeculus*** Coineau

Neocaeculus Coineau, 1967: 58

Type species: *Neocaeculus luxtoni* Coineau, 1967

Neocaeculus bornemisszai Coineau et Enns*Neocaeculus bornemisszai* Coineau & Enns, 1969: 690

Type locality: Kimberley, 100 km S Wyndham

Distribution: Australia

Neocaeculus bruchi (Berlese)*Caeculus bruchi* Berlese, 1916: 289; Franz, 1952: 122 (Inc. sed., *Microcaeculus* ?)*Neocaeculus bruchi*: Coineau, 1974: Taylor et al., 2013: 449

Type locality: "La Plata"

Distribution: "La Plata"(Argentina)

Neocaeculus imperfectus Taylor, Gunawardene et Kinnear*Neocaeculus imperfectus* Taylor, Gunawardene & Kinnear, 2013: 440

Type locality: Barrow Island, Western Australia

Distribution: Australia

Neocaeculus johnstoni Coineau*Neocaeculus johnstoni* Coineau, 1974: 68

Type locality: Lord Howe Island

Distribution: Lord Howe Island

Neocaeculus kinnearae Taylor*Neocaeculus kinnearae* Taylor, 2014: 348

Type locality: Barrow Island, Western Australia

Distribution: Australia

Neocaeculus knoepffleri Coineau et Enns*Neocaeculus knoepffleri* Coineau & Enns, 1969: 679

Type locality: Kimberley, 100 km S Wyndham

Distribution: Australia

Neocaeculus lamorali Coineau*Neocaeculus lamorali* Coineau, 1974b: 278

Type locality: De Waal farm, 10 km N of Leonardville

Distribution: Namibia

Neocaeculus luxtoni Coineau*Neocaeculus luxtoni* Coineau, 1967a: 58

Type locality: Alexandra (Otago)

Distribution: New Zealand

Neocaeculus nudonates Taylor

Neocaeculus nudonates Taylor, 2014: 343

Type locality: Barrow Island, Western Australia

Distribution: Australia

Neocaeculus orientalis Fuangarworn et Butcher

Neocaeculus orientalis Fuangarworn & Butcher, 2015: 251

Type locality: Thailand

Distribution: Thailand

Neocaeculus setecidades Ott et Ott

Neocaeculus setecidades Ott & Ott, 2018: 2

Type locality: Parque Nacional Sete Cidades (04°06'44.2"S - 41°41'47.7"W), sample site PNC7C 0323, Piracuruca, Piauí

Distribution: Brazil

Neocaeculus womersleyi Coineau

Neocaeculus womersleyi Coineau, 1974: 68

Type locality: Risdon

Distribution: Tasmania

Genus ***Procaeculus*** Jacot

Procaeculus Jacot, 1936: 25

Type species: *Procaeculus bryani* Jacot, 1936

Procaeculus aitkeni Coineau

Procaeculus aitkeni Coineau, 1967b: 719

Type locality: Trinidad

Distribution: Trinidad

Procaeculus brevis (Mulaik)

Caeculus brevis Mulaik, 1945: 11; Franz, 1952: 121; McDaniel & Boe, 1990: 723

Procaeculus brevis (Mulaik): Taylor et al., 2013: 449.

Type locality: Houston, Harris Co., Texas

Distribution: USA (Texas)

Procaeculus bryani Jacot

Procaeculus bryani Jacot, 1936: 25; Franz, 1952: 121; Coineau, 1967b: 713

Type locality: Peale Island, Wake Island, Western end of the Hawaiian Island group

Distribution: Hawaiian Islands

Procaeculus coineau Porta et al. (fossil)

Procaeculus coineau Porta et al., 2016: 38

Type locality: Myanmar

Distribution: Myanmar (Burma)

Procaeculus dominicensis Coineau et Poinar (fossil)

Procaeculus dominicensis Coineau & Poinar, 2000: 143

Type locality: Mine in Northern Cordillera, El Mamey Formation (Upper Eocene)

Distribution: Dominican Republic

Procaeculus eridanosae Coineau et Magowski (fossil)

Procaeculus eridanosae Coineau & Magowski, 1994: 243

Type locality: Baltic amber (Eocene)

Distribution: Poland

Procaeculus magnus Coineau

Procaeculus magnus Coineau, 1974b: 279

Type locality: Mazatlan, Sin.

Distribution: Mexico

Procaeculus mexicanus (Mulaik et Allred)

Caeculus mexicanus Mulaik & Allred, 1954: 34; McDaniel & Boe, 1990: 723

Procaeculus mexicanus (Mulaik et Allred): Coineau, 1967b: 718

Type locality: San Luis Potosi (also intercepted in Texas)

Distribution: Mexico

Procaeculus orchidicolis (Mulaik et Allred)

Caeculus orchidicolis Mulaik & Allred, 1954: 30

Procaeculus orchidicolis (Mulaik et Allred): Coineau, 1967b: 718

Type locality: Chilpancingo (also intercepted in Texas)

Distribution: Mexico

Procaeculus oregonus (Mulaik et Allred)

Caeculus oregonus Mulaik & Allred, 1954: 28; McDaniel & Boe, 1990: 723

Procaeculus oregonus (Mulaik et Allred): Coineau, 1967b: 718

Type locality: Oak Ridge, Oregon

Distribution: USA (Oregon)

Procaeculus potosi (Mulaik et Allred)

Caeculus potosi Mulaik & Allred, 1954: 32

Procaeculus potosi (Mulaik et Allred): Coineau, 1967: 718

Type locality: Tamazunchale (also intercepted in Texas)

Distribution: Mexico

Procaeculus puertoricus Mulaik*Caeculus puertoricus* Mulaik, 1945: 12; Franz, 1952: 122*Procaeculus puertoricus* (Mulaik): Taylor et al., 2013: 450

Type locality: Como Springs

Distribution: Puerto Rico

Procaeculus willmanni (Vitzthum)*Caeculus willmannii* Vitzthum, 1933: 86*Procaeculus willmanni* (Vitzthum): Franz, 1952: 121*Procaeculus aitkeni* Coineau, 1967a: 719; syn. by Taylor et al., 2013: 450Type of *P. aitkeni*: Bush-Bush Forest, Trinidad

Type locality: Guatemala

Distribution: Guatemala

Incertae sedes

Caeculus hirtipes Berlese*Caeculus hirtipes* Berlese, 1910: 369; Franz, 1952: 122 (Inc. sed.)

Type locality: “Mechieria”

Distribution: Algeria

Caeculus hirtipes graecus Berlese*Caeculus hirtipes* var. *graecus* Berlese, 1910: 369; Franz, 1952: 122 (Inc. sed.)

Type locality: Naxos

Distribution: Greece

Index of Caeculidae

(Names in **bold** are accepted as valid)*aitkeni*, *Procaeculus* 320***Allocaeculus*** 306***americanus***, ***Caeculus*** 312*americanus*, *Pseudocaeculus* 312***andalusiacus***, ***Allocaeculus*** 306***Andocaeculus*** 311*Andrei*, *Caeculus* 315***andrei***, ***Microcaeculus*** 315***archeri***, ***Caeculus*** 312***austriacus***, ***Microcaeculus*** 315***beatrizrosso***, ***Andocaeculus*** 311***bornemisszai***, ***Neocaeculus*** 319*brevis*, *Caeculus* 320***brevis***, ***Procaeculus*** 320*bruchi*, *Caeculus* – incertae sed. 319***bruchi***, ***Neocaeculus*** 319***brundini***, ***Andocaeculus*** 311*Brundini*, *Microcaeculus* 311

- bryani*, *Procaeculus* 320
burmeisteri, *Andocaeculus* 311
Caeculata 305
Caeculidae 305
Caeculoidea 305
Caeculus 311
caioi, *Andocaeculus* 311
calechius, *Caeculus* 312
Calocaeculus 314
canariensis, *Microcaeculus* 315
cassiopeiae, *Caeculus* 312
castrii, *Microcaeculus* 315
catalanus, *Allocaeculus* 306
circinatus, *Allocaeculus* 306
clavatus, *Caeculus* 312
coineau, *Procaeculus* 320
cremnicolus, *Caeculus* 312
crosbyi, *Caeculus echinipes* 313
crossleyi, *Caeculus* 312
delamarei, *Microcaeculus steineri* 318
deserticolus, *Caeculus* 315
deserticolus, *Microcaeculus* 315
deserticolus, *Scleroaeculus* 315
dominicensis, *Procaeculus* 321
dorotheae, *Caeculus* 312
dubius, *Allocaeculus* 306
dubius, *Caeculus* 306
echinatus, *Allocaeculus* 306
echinipes, *Caeculus* 313
echinipes, *Hoplopus* 313
eridanosae, *Procaeculus* 321
erinaceus, *Allocaeculus* 306
franzi, *Microcaeculus* 316
gertschi, *Caeculus* 313
graecus, *Caeculus hirtipes* var. (Inc. sed.) 322
graecus, *Microcaeculus* 316
grandjeani, *Allocaeculus* 307
hardyi, *Caeculus* 313
hirsutus, *Allocaeculus* 307
hirtipes, *Caeculus* – incertae sed. (322)
hispanicus, *Microcaeculus* 316
hoggarensis, *Allocaeculus* 307
hoggarensis, *Caeculus* 307
Hoplopini 306
Hoplopus 311
hypopachus, *Caeculus* 313
hystrix, *Caeculus* 307
hystrix, *Allocaeculus* 307
imperfectus, *Neocaeculus* 319
indicus, *Allocaeculus* 307
hystriciformis, *Allocaeculus* 307
insolitus, *Caeculus* 316
insolitus, *Microcaeculus* 316
insularis, *Microcaeculus* 316
janetae, *Caeculus* 312
johnstoni, *Neocaeculus* 319
kalahariensis, *Allocaeculus* 307
kenyae, *Allocaeculus* 307
kerrulius, *Caeculus* 313
kinnearae, *Neocaeculus* 319
knoepffleri, *Neocaeculus* 319
kocheri, *Allocaeculus* 308
krantzi, *Caeculus* 314
lamorali, *Neocaeculus* 319
laoshanensis, *Caeculus* 316
laoshanensis, *Microcaeculus* 316
lawrencei, *Calocaeculus* 314
lewisi, *Caeculus* 314
liguricus, *Caeculus* 316
liguricus, *Microcaeculus* 316
logonensis, *Allocaeculus* 308
luxtoni, *Neocaeculus* 319
magnus, *Procaeculus* 321
mariae, *Caeculus* 314
meseticola, *Allocaeculus* 308
mexicanus, *Caeculus* 321
mexicanus, *Procaeculus* 321
Microcaeculus 315
monticolus, *Caeculus* 316
monticolus, *Microcaeculus* 316
mosambicensis, *Allocaeculus* 308
mosambicensis, *Caeculus* 308
multispinosus, *Allocaeculus* 308

muscorum, *Caeculus* 317
***muscorum*, *Microcaeculus* 317**
***namibensis*, *Microcaeculus* 317**
namibensis, *Sphaeroaecaeculus* 317
***Neocaeculus* 318**
***nicoleae*, *Microcaeculus* 317**
***nigeriensis*, *Allocaeculus* 308**
***nudonates*, *Neocaeculus* 320**
***nudus*, *Microcaeculus* 317**
orchidicolis, *Caeculus* 321
***orchidicolis*, *Procaeculus* 321**
oregonus, *Caeculus* 321
***oregonus*, *Procaeculus* 321**
***orientalis*, *Neocaeculus* 320**
***ouadaiensis*, *Allocaeculus* 308**
***pettiti*, *Caeculus* 314**
***pica*, *Microcaeculus* 317**
***pilosus*, *Allocaeculus* 308**
pilosus, *Caeculus* 308
pisanus, *Caeculus* – Inc. sed. 317
***pisanus*, *Microcaeculus* 317**
potosi, *Caeculus* 321
***potosi*, *Procaeculus* 321**
***Procaeculus* 320**
Pseudocaeculus (unavailable name) 311
puertoricus, *Caeculus* 322
***puertoricus*, *Procaeculus* 322**
***relictus*, *Allocaeculus* 309**
***rifensis*, *Allocaeculus tschadensis* 310**
rondae, *Allocaeculus spinosissimus* 310
***sabulicola*, *Microcaeculus* 317**
***sandbergensis*, *Allocaeculus* 309**
***sarhroi*, *Allocaeculus* 309**
***schusteri*, *Allocaeculus* 309**
***Scleroaecaeculus* 315**
***sclerodermatus*, *Allocaeculus* 309**

sclerodermatus, *Caeculus* 309
***sculptus*, *Allocaeculus* 309**
sculptus, *Caeculus* 309
sculptus, *Hoplopus* 309
***senegalensis*, *Allocaeculus* 309**
senegalensis, *Caeculus* 309
***setecidades*, *Neocaeculus* 320**
sinensis, *Caeculus* 318
***sinensis*, *Microcaeculus* 317**
***sirwani*, *Allocaeculus* 310**
***spatulifer*, *Allocaeculus* 310**
spatulifer, *Caeculus* 310
***spinosissimus*, *Allocaeculus* 310**
steineri, *Microcaeculus hispanicus* 318
***steineri*, *Microcaeculus* 318**
***stephani*, *Microcaeculus* 318**
***sudanensis*, *Allocaeculus* 310**
sudanensis, *Caeculus* 310
taishanicus, *Caeculus sinensis* 318
***taishanicus*, *Microcaeculus sinensis* 318**
***tenerifae*, *Allocaeculus* 310**
tibbettsi, *Caeculus* 318
***tibbettsi*, *Microcaeculus* 318**
***tipus*, *Caeculus* 314**
***tschadensis*, *Allocaeculus* 310**
***turcicus*, *Allocaeculus* 310**
uchidai, *Caeculus* 318
***uchidai*, *Microcaeculus* 318**
***valverdius*, *Caeculus* 314**
***veracruzensis*, *Caeculus* 314**
***weinrauchi*, *Andocaeculus* 311**
weinrauchi, *Microcaeculus* 311
willmannii, *Caeculus* 322
***willmanni*, *Procaeculus* 322**
***womersleyi*, *Neocaeculus* 320**

Distribution of Caeculidae

EUROPE

- Austria** (Irk, 1939; Willmann, 1951; Franz, 1952, 1955; Thaler, 1979; Thaler, Knoflach & Meyer, 1993) – *Allocaeculus relictus*, *Caeculus echinipes*, *Microcaeculus austriacus*
- Bulgaria** (Kratochvil, 1962) – *Caeculus echinipes*
- Croatia** (Vitzthum, 1933) – *Allocaeculus spatulifer*
- Czech Rep.** (Franz, 1952; Winkler, 1953; Willmann, 1954) – *Allocaeculus relictus*, *Microcaeculus austriacus*, *M. liguricus*
- France** (Moniez, 1893; André, 1932; Jacot, 1936; Franz, 1954; Coineau, 1966, 1969b, 1974) – *Allocaeculus catalanus*, *Caeculus echinipes*, *C. echinipes crosbyi*, *Microcaeculus hispanicus*, *M. sabulicola*, *M. steineri delamarei*
- Corsica** (Coineau, 1968) – *Microcaeculus franzi*
- Germany** (Pieper, 1970; Coineau & Haupt, 1976) – *Caeculus echinipes*, *Microcaeculus austriacus*
- Greece** (Berlese, 1910; Sellnick, 1931; Franz, 1964) – *Caeculus echinipes*, *Microcaeculus graecus*; *inc. sed.: Caeculus hirtipes var. graecus*
- Italy** (Vitzthum, 1933; Franz, 1954) – *Allocaeculus sculptus*, *Caeculus echinipes*, *Microcaeculus liguricus*, *M. pisanus*
- Sicily** (Berlese, 1883) – *Caeculus echinipes*
- Hungary** (Karpelles, 1893) – *Caeculus*
- N. Macedonia** (Franz, 1960) – *Allocaeculus schusteri*
- Poland** (Coineau & Magowski, 1994) – *Procaeculus eridanosae* (fossil)
- Portugal** (Coineau, 1969b) – *Microcaeculus sabulicola*
- Salvages Islands** (André, 1935) – *Microcaeculus insolitus*
- Slovakia** (Mangová, Krumpál & Luptáčík, 2014) – *Allocaeculus sandbergensis*
- Spain** (Dufour, 1832; Vitzthum, 1933; Franz, 1952, 1954, 1955, 1960; Mihelčič, 1958) – *Allocaeculus andalusiacus*, *A. catalanus*, *A. echinatus*, *A. hystriciformis*, *A. meseticola*, *A. multispinosus*, *A. spatulifer*, *A. spinosissimus* (incl. *A. spinosissimus rondae*), *Caeculus echinipes*, *Microcaeculus hispanicus*, *M. sabulicola*, *M. steineri*
- Canary Is.** (Franz, 1965) – *Allocaeculus tenerifae*, *Microcaeculus canariensis*
- Balear and Pityusas Islands** (Coineau & Haupt, 1977) – *Microcaeculus stephani* [Formentera]
- Switzerland** (Schweizer, 1951; Schweizer & Bader, 1963; Pieper, 1970) – *Caeculus echinipes*
- Turkey** (Karaca et al., 2012; Per, Doğan, Zeytun & Ayyıldız, 2017; Per, Doğan & Ayyıldız, 2019) – *Allocaeculus multispinosus*, *A. turcicus*

AFRICA

- Algeria** (Lucas, 1849; Michael, 1890; Kulczynski, 1901; André, 1927; 1935) – *Allocaeculus dubius*, *A. hoggarensis*, *A. muscorum*, *A. spatulifer*, *Caeculus echinipes*
- Chad** (Franz, 1957, 1964) – *Allocaeculus logonensis*, *A. ouadaiensis*, *A. tschadensis*

Kenya (Franz, 1964) - *Allocaeculus kenya*

Morocco (Coineau, 1969b; Franz, 1960, 1964) – *Allocaeculus grandjeani*, *A. kocheri*, *A. sarhroi*, *A. tschadensis* *rifensis*, *Microcaeculus insularis*, *M. liguricus*, *M. sabulicola*

Mozambique (André, 1936) - *Allocaeculus mosambicensis*

Namibia (Lawrence, 1938; Piffel, 1965; Coineau, 1974b) – *Allocaeculus circinatus*, *A. pilosus*, *Microcaeculus namibensis*, *Neocaeculus lamorali*

Nigeria (Coineau, 1974b) – *Allocaeculus nigeriensis*

Senegal (André, 1938; Franz, 1964) – *Allocaeculus* sp. cf. *andalusiacus*, *A. tschadensis*, *A. senegalensis*

Somalia (Berlese, 1916) – “*Caeculus* pr. *spathuliger* Michael”

South Africa (Lawrence, 1939; Coineau, 1974b; Halliday, 2005) – *Allocaeculus erinaceus*, *A. hirsutus*, *A. hystrix*, *A. kalahariensis*, *Calocaeculus lawrencei*, *Microcaeculus andrei*, *M. deserticolus*, *M. monticolus*, *M. nicoleae*

Sudan (Trägårdh, 1904) - *Allocaeculus sudanensis*

Tunisia (André, 1936) – *Allocaeculus sclerodermatus*

ASIA

China (Jacot, 1936) - *Microcaeculus laoshanensis*, *M. sinensis*

Iran (Paktinat-Saeij, Ghobari & Samani, 2020) – *Allocaeculus sirwani*

Japan (Asanuma, 1940) – *Microcaeculus uchidai*

Kazakhstan – *Allocaeculus catalanus*

Korea (Higgins & Mulaik, 1958) – *Caeculus tibbettsi*

Myanmar (Burma)(Porta et al., 2019) – *Procaeculus coineau*

Pakistan (Piffel, 1959) – *Allocaeculus indicus*

Thailand (Fuangarworn & Butcher, 2015) – *Neocaeculus orientalis*

NORTH AMERICA

Canada (Bernard, Lumley, Buck & Cobb, 2020) - *Caeculus cremnicolus*, *C. cassiopeiae*

Mexico (Mulaik & Allred, 1954; Coineau, 1974b; Rivas et al., 2016; Porta & Vázquez Rojas, 2020) – *Caeculus veracruzanus*, *Procaeculus magnus*, *P. mexicanus*, *P. orchidicolis*, *P. potosi*

United States (Banks, 1899, 1906; Nevin, 1943, 1945; Mulaik, 1945; Mulaik & Allred, 1954; Higgins & Mulaik, 1957a, 1957b; Enns, 1958; Coineau, 1974b; Hagan, 1985; McDaniel & Boe, 1990; Skvarla, Fisher & Dowling, 2013) – *Caeculus americanus*, *C. archeri*, *C. calechius*, *C. clavatus*, *C. cremnicolus*, *C. dorotheae*, *C. janetae*, *C. gertschi*, *C. krantzi*, *C. lewisi*, *C. mariae*, *Procaeculus brevis*, *P. oregonus*

Hawaii (Jacot, 1936) – *Procaeculus bryani*

CENTRAL and SOUTH AMERICA

Argentina (Berlese, 1916; Franz, 1962, 1964; Porta, Pizarro-Araya & Ramírez, 2021) – *Andocaeculus beatrizrosso*, *A. brundini*, *A. burmeisteri*, *A. weinrauchi*, *Neocaeculus bruchi*

Brazil (Ott & Ott, 2014, 2018) – *Andocaeculus caioi*, *Neocaeculus setecidades*
Chile (Franz, 1964) – *Microcaeculus castrii*, *M. nudus*
Dominican Republic (Coineau & Poinar, 2000) – *Procaeculus dominicensis* (fossil)
Guatemala (Vitzthum, 1933) – *Procaeculus willmanni*
Puerto Rico (Mulaik, 1945) – *Procaeculus puertoricus*
Trinidad (Coineau, 1967b) – *Procaeculus aitkeni*

OCEANIA

Australia (Coineau & Enns, 1970; Otto, 1993; Taylor, Gunawardene & Kinnear, 2013; Taylor, 2014) – *Microcaeculus pica*, *Neocaeculus bornemisszai*, *N. imperfectus*, *N. kinnearae*, *N. knoeppfleri*, *N. nudonates*
Tasmania (Coineau, 1974) – *Neocaeculus womersleyi*
New Zealand (Coineau, 1967a) – *Neocaeculus luxtoni*
Lord Howe Island (Coineau, 1974) – *Neocaeculus johnstoni*

Bibliography of Caeculidae

- André M. 1927. Acariens recuillis en Algérie et en Tunisie par M.H. Gauthier. – Bull. Soc. hist. nat. Afrique du Nord, **18**: 164 – 172.
- André M. 1932. Contribution à l'étude des Acariens de la faune française (5e note) Trombidiformes divers recueillis par M. H. Gadeau de Kerville. – Bull. Soc. Zool. de France, **57**(6): 483 - 492.
- André M. 1934. L'épistome et l'appareil buccal des *Caeculus* (Acariens prostigmatiques). – Entom. Ber., **200**: 93 - 96.
- André M. 1935. Une espèce nouvelle du genre *Caeculus* (Acarien) recueillie aux îles Salvages. Croisière du "Président Théodor Tissier 1933". – Bull. Mus. Nat. Hist. nat. Paris, 2e se., **7**: 113 - 118.
- André M. 1936. Notes sur le genre *Caeculus* Dufour (Acariens) avec description d'espèces nouvelles africaines. – Bull. Soc. Hist. Nat. Afrique du Nord, **26**: 79 – 127.
- André M. 1938. Une nouvelle espèce sénégalaise du genre *Caeculus* (Acarien). – Bull. Soc. Zool. France, **63**: 264 - 269.
- Asanuma K. 1940. Occurrence of Acari of the family Caeculidae in Japan. – Annot. Zoologicae Japonenses, **19**(4): 271 - 275.
- Banks N. 1899. An American Species of the Genus *Caeculus*. – Proc. Entom. Soc. Washington, **4**: 221 - 222.
- Banks N. 1906. Description of some new mites - Proc. Entom. Soc. Washington, **7**: 135 - 136.
- Bator A. 1953. *Caeculus echinipes*, ein postglaziales Wärmezeitrelikt? – Zool. Anz., **150**: 136 – 138.
- Berlese A. 1883. Escursione in Sicilia. Acarofauna Sicula. – Boll. Soc. Ent. Italiana, **15**: 212 - 220.
- Berlese A. 1888. Acari, Myriapoda et Scorpiones hucusque in Italia reperta. Fasc. 50, No 3.

- Berlese A. 1893. Acari, Myriapoda et Scorpiones hucusque in Italia reperta. 105, pl. 17.
- Berlese A. 1910. Brevi diagnosi di Generi e Specie Nuovi di Acari. – Redia, **6**: 346 – 388 [Caeculidae on p.369].
- Berlese A. 1916. Centuria terza di Acari nuovi. – Redia, **12**: 289 – 290.
- Bernard J., L. M. Lumley, M. Buck, T. P. Cobb. 2020. A new species of rake-legged mite, *Caeculus cassiopeiae* (Prostigmata, Caeculidae), from Canada and a systematic analysis of its genus. – ZooKeys, **926**: 1 – 23.
- Canestrini G., F. Fanzago. 1877. Intorno agli Acari italiani. Sul genere *Caeculus* Duf. – Att. R. Istit. Veneto sc. lett arti, ser. 5, **4**: 75 – 76.
- Coineau Y. 1963. Contribution à l'étude des Caeculidae. Première série: Développement postlarvaire de *Allocaeculus catalanus* Franz, 1954. Première partie: la chétotaxie du corps. – Acarologia, **5**(2): 189 – 212.
- Coineau Y. 1964. Contribution à l'étude des Caeculidae. Première série: Développement postlarvaire de *Allocaeculus catalanus* Franz, 1954. Deuxième série: La chétotaxie des pattes. – Acarologia, **6**(1): 47 – 72.
- Coineau Y. 1966. Contribution à l'étude des Caeculidae. Deuxième série: Développement postlarvaire de *Microcaeculus hispanicus* Franz 1952. – Acarologia, **8**(1): 23 – 44.
- Coineau Y. 1967a. Contribution à l'étude des Caeculidae. Troisième série. Développement postlarvaire de *Neocaeculus luxtoni* n.g. n.sp. – Acarologia, **9**(1): 55 – 75.
- Coineau Y. 1967b. Contribution à l'étude des Caeculidae. IV. *Procaeculus bryani* Jacot, 1936 (Acariens: Prostigmates). – Pacific Insects, **9**(4): 709 – 720.
- Coineau Y. 1968. Contribution à l'étude des Caeculidae. 7e série. *Microcaeculus franzi* n. sp., Caeculidae sabulicole de Corse. – Vie et Milieu, Série C, **19**(1): 143 – 158.
- Coineau Y. 1969a. Contribution à l'étude des Caeculidae. Cinquième série. *Procaeculus aitkeni*, une nouvelle espèce de Trinidad, B.W.I. – Rev. Ecol. Biol. Sol, **6**(1): 53 – 67.
- Coineau Y. 1969b. Contribution à l'étude des Caeculidae. Sixième série. *Microcaeculus sabulicola* Franz, 1952. Redescription, chétotaxie et répartition. – Acarologia, **11**(2): 207 – 221.
- Coineau Y. 1970. A propos de l'oeil antérieur du naso des Caeculidae. – Acarologia, **12**(1): 109 – 118.
- Coineau Y. 1973. Les Caeculidae (Acariens Prostigmates) quelques aspects de leurs particularités éco-éthologiques. – Bull. Ecol., **4**: 329-337.
- Coineau Y. 1974a. Un type nouveau d'Acariens Prostigmates libres: les Saxidromoidea, nouvel super-famille. – C.R. Acad. Sc., Paris, serie D, **278**: 1059 – 1062.
- Coineau Y. 1974b. Eléments pour une monographie morphologique et biologique des Caeculidae (Acariens). Thèse de Doctorat d'État. – Mém. Mus. Natn. Hist. nat.: N.S. Sér. Zool., **81**: 299 p.
- Coineau Y. 1974c. Contribution à l'étude des Caeculidae. Neuvième partie. Deux nouvelles espèces de Caeculidae de la région australienne *Neocaeculus johnstoni* n.sp. et *N. womersleyi* n.sp. – Vie et Milieu, **24**(1): ser.C: 65 – 86.
- Coineau Y. 1980. Un exemple d'Actiniedida libres, les Caeculidae, Gnathosoma et région dorsale du corps, morphologie et chétotaxie évolutive. – Salfia, **1**: 1 – 45.

- Coineau Y., W.R. Enns. 1969. Contribution à l'étude des Caeculidae. Huitième série. Deux nouvelles espèces d'Australie: *Neocaeculus knoeppfleri* n. sp., *N. bornemisszai* n. sp. – *Acarologia*, **11**(4): 678 - 695.
- Coineau Y., J. Haupt. 1976. Caeculiden im mitteldeutschen Raum: *Caeculus echinipes* (Acari, Actinotrichida Actinedida). – *Sber. Ges. naturf. Freunde Berlin NF*, **16**: 34 - 38.
- Coineau Y., J. Haupt. 1978. Biogéographie, écologie et chétotaxie évolutive. A propos de *Microcaeculus stephani* n. sp. Caeculidae sabulicole (Acari, Actinedida). – *Acarologia*, **19**(4): 622 - 632.
- Coineau Y., W.L. Magowski. 1994. Caeculidae in amber. – *Acarologia*, **35**(3): 243 - 246.
- Coineau Y., M.H. Naudo. 1986. Contribution à l'étude de la morphologie et du développement postprélarvaire de *Sacidromus delamarei*, Y.Coineau, 1974. – Ire partie: Chetotaxie du corps et région buccale. – *Acarologia*, **27**(4): 303 - 309.
- Coineau Y., G. Poinar. 2000. Un Caeculidae de l'ambre de la République Dominicaine. – *Acarologia*, **41**(1-2): 141 - 144.
- Dufour L. 1832. Description et figure du *Caeculus echinipes*, Arachnide nouvelle. – *Annls Sci. nat.*, **25** (ser. 1): 289 - 296.
- Enns W.R. 1958. A new species of rake-legged mite from Missouri (Acarina, Caeculidae). – *J. Kansas Ent. Soc.*, **31**(2): 107 - 113.
- Franz H. 1943. Die Landtierwelt der Mittleren Hohen Tauern. – *Denkschr. Akad. Wiss. Wien, math. Nat. Kl.*, **107**.
- Franz H. 1952. Revision der Caeculidae Berlese, 1883 (Acari). – *Bonner Zool. Beitr.*, **3**: 91 - 124.
- Franz H. 1954a. Eine weitere neue *Allocaeculus* – Art nebst Bemerkungen über bekannte Vertreter der Caeculidae (Acari). – *Bonn. Zool. Beitr.*, **5**(3-4): 210 - 212.
- Franz H. 1954b. Ordnung Acarina. p. 369. In: H. Franz. Die Nordost-Alpen im Spiegel ihrer Landtierwelt. Universit. Verlag Wagner, Innsbruck: 329 - 452.
- Franz H. 1955. Dritter Beitrag zur Kenntnis der Caeculidae (Acari). – *Verh. Zool.-Bot. Ges. Wien*, **95**: 9 - 18.
- Franz H. 1957. Zur Kenntnis der afrikanischen Arten der Gattung *Allocaeculus* (Acari, Trombidiformes). – *Verh. Zool.- Bot. Ges. Wien*, **97**: 5 - 13.
- Franz H. 1960. Weitere Beiträge zur Kenntnis der europäischen und nordafrikanischen Caeculidae – Acari, Trombidiformes. – *Verh. Zool.-Bot. Ges. Wien*, **100**: 83-87.
- Franz H. 1962. Ein neuer *Microcaeculus* aus Südamerika. – *Verh. Zool.-Bot. Ges. Wien*, **101** - **102**: 98 - 100.
- Franz H. 1964. Neue Caeculiden aus Afrika und Südamerika. – *Verh. Zool.-Bot. Ges. Wien*, **103** - **104**: 82 - 92.
- Franz H. 1965. Beitrag zur Bodenfauna der Kanarischen Inseln. Caeculiden aus Tenerife (Acari, Trombidiformes). – *Verh. Zool.-Bot. Ges. Wien*, **105** - **106**: 67 - 69.
- Fuangularworn M., B.A. Butcher. 2015. *Neocaeculus orientalis* sp. nov. (Acari, Trombidiformes, Caeculidae) from Thailand. – *Zootaxa*, **4048**(2): 251 - 268.
- Grandjean F. 1944. Observations sur les Acariens du genre *Caeculus*. – *Arch. des sciences phys. et nat.*, 5e Ser., **26**: 33 - 46.

- Hagan D.V. 1985. *Caeculus crossleyi* n. sp. (Acari: Caeculidae) from granite outcrops in Georgia, U.S.A. – Int. J. Acarology, **11**(4): 241 - 245.
- Halliday B. 2005. Predatory mites from crops and pastures in South Africa: potential natural enemies of redlegged earth mite *Halotydeus destructor* (Acari: Penthaleidae). – Zootaxa, **1079**: 11-64.
- Higgins G., S. B. Mulaik. 1957a. A new *Caeculus* from Oregon (Acarina: Caeculidae). – The Great Basin Naturalist, **17**(1-2): 27 - 29.
- Higgins G., S. B. Mulaik. 1957b. Another *Caeculus* from southwestern United States (Acarina Caeculidae). – Texas Journal of Science, **9**: 267 – 269.
- Higgins G., S. B. Mulaik. 1958. A new Korean mite (Acarina, Caeculidae). – Proc. Ent. Soc. Wash., **60**: 17 - 18.
- Irk V. 1939. Die terricolen Acari der Ötztaler und Stubai-er Hochalpen. – Veröff. Mus. Ferdinandeum, Innsbruck, **19**: 145 - 189.
- Jacot A. P. 1936. Some rake-legged mites of the family Cheyletidae. – J. N. Y. Ent. Soc., **44**: 17 - 30.
- Karaca M., E. Kızılkaya, E.H. Duran, R. Urhan. 2012. Denizli’de doğal ortamda yetişen mantar habitatlarındaki hayvan çeşitliği. – IX Türkiye Yemeklik Mantar Kongresi, Pamukkale Üniversitesi, Denizli: p.82 – 90 (in Turkish).
- Karpelles L. 1893. Bausteine zu einer Acarofauna Ungarns– Mathematische und Naturwissenschaftliche Berichte aus Ungarn, **11**: 80-134, pls 13-20.
- Kratochvil J. 1962. Sur la morphologie du *Caeculus echinipes* (Acar., Caeculidae). – Acta Soc. Ent. Čech., **59**(2): 174 - 182.
- Kulczynski V. 1901. Arachnoidea - In: Horváth G. (ed.) Zichy Jenő Gróf Harmadik Ázsiai Utazása [Dritte Asiatische Forschungsreise des Grafen Eugen Zichy] vol 2.
- Állattani Eredményei [Zoologische Ergebnisse]. Budapest & Leipzig. pp. 311-369.
- Lawrence R.F. 1938. A new species of *Caeculus* (Acari) from South West Afrika. – Ann. Transvaal Mus., **19**(2): 211 - 213.
- Lawrence R.F. 1939. New South African species of the Genus *Caeculus* (Acari). – J. Linnean Soc. London, **40**(273): 537 - 545.
- Lucas P.H. 1849. Exploration scientifique de l’Algérie pendant les années 1840, 1841, 1842. – Zoologie vol.1: 307.
- McDaniel B., A. Boe. 1990. A new species and distribution record for the Genus *Caeculus* Dufour (Acari: Caeculidae) from South Dakota. – Proc. Entomol. Society of Washington, **92**: 716 - 724.
- Mangová M., M. Krumpál, P. Luptáčík. 2014. *Allocaeculus sandbergensis* sp. n. (Acari: Caeculidae), a new prostigmatid mite from Slovakia. – Biologia, Sect. Zoology, **69**(2): 214 – 218.
- Michael A.D. 1890. On a collection of Acarina formed in Algeria. – Proc. Zool. Soc. London, **29**: 423 - 425.
- Mihelčič F. 1958. Prostigmata Südeuropas (Spanien). - Eos, Madrid, **34**(3): 269 – 290.
- Moniez R. 1893. Sur la présence en France du *Caeculus echinipes* Dufour. – Rev. Biol. Nord. France, **5**: 490.

- Mulaik S. 1945. New mites in the family Caeculidae. – Bull. Univ. Utah, Biol. Ser., **8**(6): 3 - 23.
- Mulaik S., D.M. Allred. 1954. New species and distribution records of the genus *Caeculus* in North America. – Proc. Ent. Soc. Wash., **56**: 27 - 40.
- Nevin F.R. 1943. *Caeculus pettiti*, a new species of mite from Virginia. – Ann. Ent. Soc. of America, **36**(3): 389 - 393.
- Nevin F.R. 1945. Immature forms of the mite, *Caeculus pettiti*. – Ann. Ent. Soc. Amer., **38**(2): 195 -198.
- Ott A.P., R.Ott. 2014. A new species of *Andocaeculus* (Acari, Caeculidae) from the Pampa biome, southern Brazil. – Iheringia, Sér. Zool., **104**(3): 355 - 363.
- Ott A.P., R.Ott. 2018. A new species of rake-legged mite *Neocaeculus* (Acari, Caeculidae) from Brazilian semiarid and new data on distribution of *Andocaeculus caioi*. - Iheringia, Sér. Zool., 108 Porto Alegre 2018 Epub June 25, 2018.
- Otto J.C. 2009. A new species of *Microcaeculus* from Australia (Acarina: Caeculidae), with notes on its biological behaviour. – Int. J. of Acarology, **19**(1): 3 - 13.
- Paktinat-Saeij S., H. Ghobari, K. M. Samani. 2020. First new species of the Caeculidae (Acari: Trombidiformes: Prostigmata) from Iran, with a key to the world species of *Allocaeculus*. - Systematic and Applied Acarology, **25**(5): 833 - 842.
- Per S., S.Doğan, E.Zeytun, N. Ayyıldız. 2017. Description of a new rake legged mite of the genus *Allocaeculus* (Acariformes: Caeculidae) from Turkey with description of variation in dorsal setation. – Acarologia, **57**(2): 369 – 382.
- Per S., S.Doğan, N. Ayyıldız. 2019. The Second Record of the occurrence of *Allocaeculus multispinosus* Franz (Acari: Caeculidae). - Munis Entomology and Zoology Journal, **14**(1): 244-249.
- Pieper F. 1970. Erstnachweis von Caeculiden (Acari, Trombidiformes) in Deutschland. – Acarologia, **12**(1): 106 - 108.
- Piffel E. 1959. *Allocaeculus Indicus*, ein neuer Caeculidae aus Pakistan. (Caeculidae, Trombidiformes, Acari). – Verh. Zool. - bot. Ges. Wien, **88-89**: 52 - 56.
- Piffel E. 1965. *Microcaeculus namibensis* nov. spec., ein Vertreter der Caeculiden (Arachnidea, Acarina) aus der Namibwüste Südwestafrikas. – Scient. Pap. Namib Desert Res. Stat., **28**(6): 1 - 12.
- Porta A.O., D.N. Proud, E. Franchi, W. Porto, M.B. Epele, P. Michalik. 2019. The first record of caeculid mites from the Cretaceous amber of Myanmar with notes on the phylogeny of the family. – Zootaxa, **4647**: 23–43. <https://doi.org/10.11646/zootaxa.4647.1.5>
- Porta A.O., I. Vázquez Rojas. 2020. A new species of the genus *Caeculus* Dufour (Acari: Caeculidae) from Mexico, with an updated key for the genus. - Systematic and Applied Acarology, **25**(4): 743-758.

- Porta A.O., J. Pizarro-Araya, M. J. Ramírez. 2021. Revision and phylogeny of the genus *Andocaeculus* (Acari: Caeculidae) I: the *A. weyrauchi* species group. - *Zootaxa*, **4945**(1): 1 – 78.
- Rivas G., L. Serrano-Sánchez, F.J. Vega. 2016. First record of *Procaeculus* (Acari: Caeculidae) in Miocene amber from Chiapas, Mexico. - *Boletín de la Sociedad Geológica Mexicana*, **68**: 87–92. <https://doi.org/10.18268/BSGM2016v68n1a10>
- Schweizer J. 1951. Die Landmilben des Schweizerischen Nationalparks. 2 Teil: Trombidiformes Reuter 1909. - *Rés. rech. sci. entreprises au Parc Nat. Suisse*, **3**(NF): 119 -172.
- Sellnick M. 1931. Acari, Teil 16 in: M. Beier, Zoologische Forschungsreise nach den Jonischen Inseln und dem Pelopones. - *Sitz. ber. Akad. Wiss. Wien, math. nat. Kl. Abt. I*, Heft 140, p. 776, fig. 60.
- Skvarla M.J., J. R. Fisher, A.P.G. Dowling. 2013. On some mites (Acari: Prostigmata) from the Interior Highlands: descriptions of the male, immature stages, and female reproductive system of *Pseudocheyleus americanus* (Ewing, 1909) and some new state records for Arkansas. - *Zootaxa*, **3641**(4): 401 – 419.
- Thaler K. 1979. Fragmenta Faunistica Tirolensia – 4 (Arachnida: Acari: Caeculidae; Pseudoscorpiones; Scorpiones; Opiliones; Aranei; Insecta: Dermaptera; Thysanoptera; Diptera Nematocera: Mycetophilidae, Psychodidae, Limoniidae und Tipulidae). - *Veröff. Mus. Ferdinandeum (Innsbruck)*, **59**: 49 - 83.
- Thaler K., B. Knoflach, E. Meyer. 1993. Fragmenta Faunistica Tirolensia – X. Arachnida, Acari: Caeculidae; Myriapoda: Diplopoda; Insecta, Nematocera: Limoniidae, Sciaridae). - *Ber. nat.-med. Verein Innsbruck Band*, **80**: 311 – 325.
- Taylor C.K. 2014. Two further *Neocaeculus* species (Acari: Prostigmata: Caeculidae) from Barrow Island, Western Australia. - *Acarologia*, **54**(3): 347–358.
- Taylor C.K., N.R. Gunawardene, A. Kinnear. 2013. A new species of *Neocaeculus* (Acari: Prostigmata: Caeculidae) from Barrow Island, Western Australia, with a checklist of world Caeculidae. - *Acarologia*, **53**(4): 439–452.
- Trägårdh J. 1904. Acariden aus Ägypten und dem Sudan. - *Res. Swedish. Zool. Exped. Egypt and White Nile*. L.A. Jägerskiöld, 124 pp.
- Trägårdh J. 1942. Über die geographische Verbreitung einiger Landmilben. - *Ann. Ent. Fennici*, **8**: 11 - 22.
- Vitzthum H.G. 1933. Die Larvenformen der Gattung *Caeculus*. - *Zool. Anz.*, **105**: 85 – 92.
- Wainstein B.A. 1965. [About the system of water mites and their place in the suborder Trombidiformes]. - *Trudi Instituta biologii vnutrennih vod. AN SSSR*, **8**(11): 66 – 83.
- Wainstein B.A., D.A. Krivolutskiy. 1978. [Phalanx Caeculata], 210 – 211. In: Gilyarov M.S. [Ed.] *Opredelitel obitayushchih v pochve kleshchey. Trombidiformes*. Ed. “Nauka”, Moskva (in Russian).
- Willmann K. 1951. Die hochalpine Milbenfauna der mittleren Hohen Tauern insbesondere des Grossglockner-Gebietes (Acari). - *Bonner zool. Beitr.*, **1-2**: 141 – 176.
- Willmann K. 1954. Mährische Acari hauptsächtlich aus dem Gebiete des mährischen Karstes, gesammelt von Prof. Dr K. Absolon, Brno. - *Československa Paras.*, **1**: 213 - 272.
- Winkler J. R. 1953. *Allocaeculus relictus* Franz 1952, new to the fauna of Czechoslovakia. - *Čas. Slez. Mus.*, **3**: 55.

Zhang Zhi-Qiang. 2010. Terrestrial Parasitengona (except chiggers) of China: a review of progress in systematics and biology, with a checklist of species. – Zoosymposia, 4: 94 - 105.

The mite Superfamily Adamystoidea

Saxidromoidea Coineau, 1974a: 1059

Adamystoidea Cunliffe, 1957

The mite Superfamily Adamystoidea contains only one family – Adamystidae.

The mite family Adamystidae

Rare or little studied free-living mites, first annouced by Cunliffe (1957) and Coineau (1974a, 1974b, 1976). They are known so far only from 14 countries, but are certainly much more widespread. Ueckermann (1989) revised the family and described six new species, five of them sympatric in the area of Edenville, Orange Free State, South Africa. Another two new genera have been described fom South Africa by Coineau, Theron & Fernandez (2006). Rafalski (1982) described one very high living species in Hindu Kush (*Adamystis coineauui*, 5100 m). Other researchers described species from Middle Asia (Uzbekistan, Tajikistan, Barilo, 1986), USA (McDaniel & Bolen, 1983), Ukraine (Pogrebnyak, 2007), Cuba (Palacios-Vargas & Prieto, 1995), Mexico (López-Campos, 1996), Iran (Beyzavi, Ueckermann & Ostovan 2012; Fuangarworn & Beyzavi, 2012; Khanjani, Alvandy, Asali-fayaz & Ueckermann, 2012), and Thailand (Fuangarworn & Lekprayoon, 2010). So far only 28 species are known in this family, from the genera *Adamystis* Cunliffe, 1957 (21 sp.), *Nannodromus* (1 sp.), *Saxidromus* Coineau, 1974 (4 sp.), *Bovidromus* Coineau, Theron et Fernandez, 2006 (1 sp.) and *Rhinodromus* Coineau, Theron et Fernandez, 2006 (1 sp.)

Catalogue of Adamystidae

Family **Adamystidae** Cunliffe

Adamystinae Cunliffe, 1957: 172

Saxidromidae Coineau, 1974a: 1059

Adamystidae: Coineau, 1974b: 431

Type genus: *Adamystis* Cunliffe, 1957

Subfamily **Adamystinae** Cunliffe

Adamystinae Cunliffe, 1957: 172

Type genus: *Adamystis donnae* Cunliffe, 1957

Genus *Adamystis* Cunliffe*Adamystis* Cunliffe, 1957: 172Type species: *Adamystis donnae* Cunliffe, 1957***Adamystis alvandicus* Khanjani, Alvandy, Asali Fayaz et Ueckermann***Adamystis alvandicus* Khanjani, Alvandy, Asali Fayaz & Ueckermann, 2010: 32Type locality: Spiny Hawthorn trees, *Crataegus aronia* (L.) (Rosaceae), highland of Alvand Mountain, Hamedan, Hamedan province (34°39.8'27"N, 48°23'0.35"E).

Distribution: Iran

Adamystis beckyanneae* McDaniel et BolenAdamystis beckyanneae* McDaniel & Bolen, 1983: 177; Ueckermann, 1989: 236

Type locality: Olton Town, Lamb County, Texas

Distribution: USA (Texas)

Adamystis buchelis* UeckermannAdamystis buchelis* Ueckermann, 1989: 229

Type locality: Edenville, Orange Free State

Distribution: South Africa

Adamystis coineau* RafalskiAdamystis coineau* Rafalski, 1982: 135; Ueckermann, 1989: 236

Type locality: Valley of Mandaras, Valley of Darum, High Hindu Kush, 5100 m

Distribution: Pakistan

Adamystis donnae* CunliffeAdamystis donnae* Cunliffe, 1957: 172; Ueckermann, 1989: 236

Type locality: Tahoe City, California

Distribution: USA (California)

Adamystis doumengei* CoineauAdamystis doumengei* Coineau, 1974: 1061; Ueckermann, 1989: 239

Type locality: Ermelo Road, Transvaal

Distribution: South Africa

Adamystis ekaterinae* Ghasemi-Moghadam et SabooriAdamystis ekaterinae* Ghasemi-Moghadam & Saboori, 2019: 14

Type locality: Chitgar Forest Park

Distribution: Iran

Adamystis fonsi* CoineauAdamystis fonsi* Coineau, 1974: 1061; Ueckermann, 1989: 239; Pogrebnyak, 2007: 13

Type locality: Banyuls-sur-mer, Eastern Pyrenees

Distribution: France, Ukraine

Adamystis iranoturanianensis Beyzavi, Ueckermann et Ostovan

Adamystis iranoturanianensis Beyzavi, Ueckermann & Ostovan, 2012: 28

Type locality: from soil and humus under oak trees (*Quercus* sp., Fagaceae), Kamfiruze, Fars province (30°7.15'55"N, 52°15'56.17"E).

Distribution: Iran

Adamystis monomaculata Ueckermann

Adamystis monomaculata Ueckermann, 1989: 232

Type locality: Edenville, Orange Free State; Potchefstroom, Transvaal

Distribution: South Africa

Adamystis nudis Ueckermann

Adamystis nudis Ueckermann, 1989: 231

Type locality: Edenville, Orange Free State

Distribution: South Africa

Adamystis oculeusis Ueckermann

Adamystis oculeusis Ueckermann, 1989: 226

Type locality: Edenville, Orange Free State

Distribution: South Africa

Adamystis persiangulfensis Paktinat-Saeij et Kazemi

Adamystis persiangulfensis Paktinat-Saeij & Kazemi, 2021: 260

Type locality: Qeshm Island

Distribution: Iran

Adamystis saboorii Paktinat-Saeij et Ahaniazad

Adamystis saboorii Paktinat-Saeij & Ahaniazad, 2019: 133

Type locality: Yarshahr village, Maragheh city, East Azerbaijan Province

Distribution: Iran

Adamystis sarae Hunter et Crossley

Adamystis sarae Hunter & Crossley, 1968: 181; Ueckermann, 1989: 229

Type locality: Savannah River Plant Reservation near Aiken, South Carolina

Distribution: USA

Adamystis sartorum Barilo

Adamystis sartorum Barilo, 1986: 1414

Type locality: Samarkand, Buhara (Uzbekistan)

Distribution: Tadjikistan, Uzbekistan

Adamystis thailandensis Fuangarworn et Lekprayoon

Adamystis thailandensis Fuangarworn & Lekprayoon, 2010: 61

Type locality: Pang-Nga Province, Thaimuang District, Hard-Thaimuang Khao-Champee National Park, 8°29'38"N, 98°13'39"E

Distribution: Thailand

Adamystis theroni Fuangarworn et Beyzavi

Adamystis theroni Fuangarworn & Beyzavi, 2012: 449

Type locality: Zagros mountain, south of Kamfiruz region, Fars province (30°8'N, 52°17'E).

Distribution: Iran

Adamystis trimaculata Ueckermann

Adamystis trimaculata Ueckermann, 1989: 239

Type locality: Edenville, Orange Free State

Distribution: South Africa

Adamystis ueckermanni Fuangarworn et Beyzavi

Adamystis ueckermanni Fuangarworn & Beyzavi, 2012: 452

Type locality: Zagros mountain, south of Kamfiruz region, Fars province (30°8'N, 52°17'E).

Distribution: Iran

Adamystis yvesi Ueckermann

Adamystis yvesi Ueckermann, 1989: 236

Type locality: Pongola, Transvaal

Distribution: South Africa

Subfamily **Saxidrominae** Coineau

Saxidrominae Coineau, 1974a: 1059

Saxidromidae: Coineau, 1974a: 1059; 1974b: 431

Type genus: *Saxidromus* Coineau, 1974

Genus ***Bovidromus*** Coineau, Theron et Fernandez

Bovidromus Coineau, Theron & Fernandez, 2006: 67

Type species: *Bovidromus roussouwi* Coineau, Theron et Fernandez, 2006

Bovidromus roussouwi Coineau, Theron et Fernandez

Bovidromus roussouwi Coineau, Theron et Fernandez, 2006: 67

Type locality: South Africa

Distribution: South Africa

Genus **Nannodromus** Fernandez, Coineau, Theron et Tiedt

Nannodromus Fernandez, Coineau, Theron & Tiedt, 2014: 19

Type species: *Nannodromus reveillei* Fernandez, Coineau, Theron et Tiedt, 2014

Nannodromus reveillei Fernandez, Coineau, Theron et Tiedt

Nannodromus reveillei Fernandez, Coineau, Theron & Tiedt, 2014: 19

Type locality: Kruger National Park, N'Wanetsi: S24°27'30.56", E31°58'35.30"

Distribution: South Africa

Genus **Rhinodromus** Coineau, Theron et Fernandez

Rhinodromus Coineau, Theron & Fernandez, 2006: 73

Type species: *Rhinodromus lootsi* Coineau, Theron et Fernandez, 2006

Rhinodromus lootsi Coineau, Theron et Fernandez

Rhinodromus lootsi Coineau, Theron & Fernandez, 2006: 73

Type locality: South Africa

Distribution: South Africa

Genus **Saxidromus** Coineau

Saxidromus Coineau, 1974: 1060

Type species: *Saxidromus delamarei* Coineau, 1974

Saxidromus annahoffmannae Lopes-Campos

Saxidromus annahoffmannae Lopes-Campos, 1996: 215

Type locality: Veracruz

Distribution: Mexico

Saxidromus caribeus Palacios-Vargas et Prieto

Saxidromus caribeus Palacios-Vargas & Prieto, 1995: 213

Type locality: Santiago de las Vegas, Habana region

Distribution: Cuba

Saxidromus delamarei Coineau

Saxidromus delamarei Coineau, 1974: 1060; Coineau & Naudou, 1986: 303; Ueckermann, 1989: 227

Type locality: Banyuls-sur-Mer, Eastern Pyrenees

Distribution: France

Saxidromus knoeppfleri Coineau*Saxidromus knoeppfleri* Coineau, 1974: 1061; Ueckermann, 1989: 227

Type locality: Ermelo Road, Melspruit, Transvaal

Distribution: South Africa

Index of Adamystidae

(Names in **bold** are accepted as valid)**Adamystidae** 333**Adamystinae** 333**Adamystis** 334**Adamystoidea** 333*alvandicus*, **Adamystis** 334*annahoffmannae*, **Saxidromus** 337*beckyanneae*, **Adamystis** 334**Bovidromus** 336*buchelis*, **Adamystis** 334*caribeus*, **Saxidromus** 337*coineaui*, **Adamystis** 334*delamarei*, **Saxidromus** 337*donnae*, **Adamystis** 334*doumengei*, **Adamystis** 334*ekaterinae*, **Adamystis** 334*fonsi*, **Adamystis** 334*iranoturanianensis*, **Adamystis** 335*knoepffleri*, **Saxidromus** 338*lootsi*, **Rhinodromus** 337*monomaculata*, **Adamystis** 335**Nannodromus** 337*nudis*, **Adamystis** 335*oculeusis*, **Adamystis** 335*pesrsiangulfensis*, **Adamystis** 335*reveilleti*, **Nannodromus** 337**Rhinodromus** 337*roussouwi*, **Bovidromus** 336*saboorii*, **Adamystis** 335*sarae*, **Adamystis** 335*sartorum*, **Adamystis** 335**Saxidromidae** 336**Saxidrominae** 336**Saxidromoidea** 333**Saxidromus** 337*thailandensis*, **Adamystis** 336*theroni*, **Adamystis** 336*trimaculata*, **Adamystis** 336*ueckermanni*, **Adamystis** 336*yvesi*, **Adamystis** 336

Distribution of Adamystidae

EUROPE

France (Coinneau, 1974) – *Adamystis fonsi*, *Saxidromus delamarei***Ukraine** (Pogrebnjak, 2007) – *Adamystis fonsi*

AFRICA

South Africa (Coinneau, 1974; Ueckermann, 1989; Coinneau, Theron & Fernandez, 2006; Fernandez, Coinneau, Theron & Tiedt, 2014) – *Adamystis buchelis*, *A. doumengei*, *A.*

monomaculata, *A. nudis*, *A. oculensis*, *A. trimaculata*, *A. yvesi*, *Bovidromus roussouwi*, *Nannodromus reveilleti*, *Rhinodromus lootsi*, *Saxidromus knoeppfleri*

ASIA

Iran (Beyzavi, Ueckermann & Ostovan 2012; Fuangarworn, Beyzavi & Ostovan, 2012; Khanjani, Alvandy, Asalifayaz & Ueckermann, 2012; Paktinat-Saeij et al., 2019; Paktinat-Saeij & Kazemi, 2021) – *Adamystis alvandicus*, *A. ekaterinae*, *A. iranoturaniensis*, *A. persiangulfensis*, *A. saboorii*, *A. theroni*, *A. ueckermanni*

Japan (Shiba, 1999) – *Adamystidae* gen. sp.

Pakistan (Rafalski, 1982) – *Adamystis coineau*

Tadjikistan (Barilo, 1986) – *Adamystis sartorum*

Thailand (Fuangarworn & Lekprayoon, 2010) – *Adamystis thailandensis*

Uzbekistan (Barilo, 1986) – *Adamystis sartorum*

NORTH AMERICA

Mexico (López-Campos, 1996) – *Saxidromus annahoffmannae*

United States (Cunliffe, 1957; Hunter & Crossley, 1968; McDaniel & Bolen, 1983) – *Adamystis beckyanneae*, *A. donnae*, *A. sarae*

Hawaii (Swift, 2000) – *Adamystidae* gen. sp.

CENTRAL and SOUTH AMERICA

Cuba (Palacios-Vargas & Prieto, 1995) – *Saxidromus caribeus*

French Antilles (Saint-Martin)(Coineau, 1979) – *Adamystidae* gen. sp.

OCEANIA

Australia (Walter & O'Dowd, 1995) – *Adamystidae* gen. sp.

Bibliography of Adamystidae

- Alberti G., Y. Coineau, N. Fernandez, P.D. Theron. 2010. On the female genital system of Saxidromidae (Prostigmata Actinotrichida). – XIII International Congress of Acarology, Recife, Brazil, 23 – 27 August.
- Barilo A.B. 1987. On the mites of the family Adamystidae (Acariformes, Prostigmata) found in Middle Asia. – Zool. Zhurnal, **66**(9): 1414 -1416.
- Beyzavi G., E.A.Ueckermann, H. Ostovan. 2012. A new *Adamystis* Cunliffe, 1957 species from Iran (Acari: Trombidiformes: Adamystidae). – Systematic & Applied Acarology, **17**: 27–30.
- Coineau Y. 1974a. Un nouveau type d'Acariens Prostigmates libres: les Saxidromoidea nouvelle super-famille. – C.R. Acad. Sci., **278**: 1059 - 1062.
- Coineau Y. 1976. Les parades sexuelles des Saxidrominae Coineau 1974 (Acariens Prostigmates, Adamystidae). – Acarologia, **18**(2): 234 - 240.

- Coineau Y. 1979. Les Adamystidae, une étonnante famille d'Acariens Prostigmates primitifs. – Proc. 4th Intern. Congress of Acarology, Saalfelden, 1974: 431 - 435.
- Coineau Y., P.D. Theron, N. Fernandez. 2006. Parades et dimorphismes sexuels comparés chez deux nouveaux genres de Saxidromidae (Acari: Alycina) d'Afrique du Sud. – *Acarologia*, **46**(1-2): 65 – 87.
- Cunliffe F. 1957. Notes on the Anystidae with a description of a new genus and species, *Adamystis donnae*, and a new subfamily, Adamystinae (Acarina). – Proc. Entomol. Soc. Wash., **59**(4): 172 - 175.
- Fernandez N., Y. Coineau, P.D. Theron, L. Tiedt. 2014. *Nannodromus reveilleti* (Acari, Anystida, Saxidromidae) a new genus and species from South Africa. – *ZooKeys*, **378**: 17–39.
- Fuangularworn M., G. Beyzavi, H. Ostovan. 2012. *Adamystis* Cunliffe, 1957 (Acari: Prostigmata: Adamystidae) in Iran: two new species and a key to the Iranian species. – *Systematic & Applied Acarology*, **17**: 448–457.
- Fuangularworn M., Ch. Lekprayoon. 2010. *Adamystis thailandensis* sp. nov. (Acari: Prostigmata: Adamystidae), a new species of soil mites from Thailand with a key to world species of Adamystidae. – *Zootaxa*, **2649**: 61 - 68.
- Ghasemi-Moghadam, A. Ahadiyat, A. Saboori, Y. Fathipour. 2019. A new species of *Adamystis* (Acari: Trombidiformes: Adamystidae) from Iran. – *Zootaxa*, **4647**(1): 14 - 22.
- Hunter P.E., D.A. Crossley. 1968. *Adamystis sarae*, a new species of soil mite from cornfield litter in South Carolina (Acarina: Anystidae). – *J. Georgia Entomol. Soc.*, **3**(4): 181 - 183.
- Khanjani M., S. Alvandy, B. Asalifayaz, E.A. Ueckermann. 2012. A new species of the genus *Adamystis* (Acari: Anystina: Adamystidae) from western Iran. – *Systematic & Applied Acarology*, **17**: 31–35.
- López-Campos M.G. 1996. Especie nueva de *Saxidromus* (Prostigmata: Adamystidae) del Estado de Veracruz, México. – *Anales Inst. Biol. Univ. Nac. Autón. México, Ser. Zool.*, **67**(2): 213 - 223.
- McDaniel B., E.G. Bolen. 1983. A new species of *Adamystis* (Acari: Adamystidae) from the southern high plains of Texas. – *Proc. Entomol. Soc. Wash.*, **85**(1): 177 – 179.
- Paktinat-Saeij S., M. Ahaniazad, M. Bagheri, M. R. Damavandian. 2019. A new species of the genus *Adamystis* Cunliffe (Acari: Trombidiformes: Adamystidae) from Iran, with a key to world species of the genus. – *Systematic & Applied Acarology*, **24**(1): 132–138.
- Paktinat-Saeij S., Sh. Kazemi. 2021. A new species of *Adamystis* Cunliffe (Acari: Trombidiformes: Adamystidae) from mangrove in the Persian Gulf, Iran, with a key to world species of the genus. – *Systematic & Applied Acarology*, **26**(1): 260 – 271.
- Palacios-Vargas J., T.D. Prieto. 1995. A new species of *Saxidromus* (Endeostigmata: Adamystidae) from Cuba. – *Acarologia*, **36**(3): 213 - 217.
- Pogrebnyak S. 2007. *Adamystis fonsi* (Prostigmata, Adamystidae) external morphology peculiarities – new for Ukraine family of Prostigmatid mites. – *Zbirnik praz Zoologichnogo muzeyu*, **39**: 13 – 20.
- Rafalski J. 1982. *Adamystis coineau* sp. n. (Acari, Adamystidae) from Hindu-Kush. – *Acarologia*, **23**(2): 135 - 143.

- Shiba M. 1999. Prostigmata. In: Aoki J. (Ed.), Pictorial Key to Soil Animals of Japan. Tokay Univ. Press, Tokyo, pp. 211 – 311.
- Swift S.F. 2000. New records of Hawaiian prostigmatid mites (Acari: Prostigmata). – Bishop Museum Occasional Papers, **64**: 50 – 51.
- Ueckermann E.A. 1989. A revision of the family Adamystidae Cunliffe (Acari: Prostigmata). – *Phytotrophylactica*, **21**: 227 - 240.
- Walter D.E., D.J. O'Dowd. 1995. Life on the forest phylloplane: hairs, little houses, and myriad mites. In: Lowman M.E. & N. Nadkarni (Eds.), *Forest Canopies*. Academic Press, New York, pp. 325 – 351.
- Walter D.E., E.E. Lindquist, I.M. Smith, D.R. Cook, G.W. Krantz. 2009. Order Trombidiformes. In: Krantz, G.W. & Walter, D.E. (Eds.) *A manual of acarology*. Third edition. Lubbock, Texas Tech University Press, pp. 233–420.

The mite Superfamily Pomerantzioidea

The subfamily contains only one family – Pomerantziidae.

The mite Family Pomerantziidae

Small family (six known species), established by Baker (1949) for one species, found In Georgia (USA). Price (1971, 1974, 1975) added new species from the USA. Quing-Hai Fan & Yan Chen (2005) revised the family and separated two of the species of Price in a new genus *Apomerantzia*. One new species (*Pomerantzia subterranea*) was found in deep humus in Fuzhou, China, another one (*Pomerantzia philippina* Bochkov et Walter, 2007) – in the Philippines.

Catalogue of Pomerantziidae

Family Pomerantziidae

Pomerantziidae Baker, 1949: 269

Type genus: *Pomerantzia* Baker, 1949

Genus *Apomerantzia* Quing-Hai Fan et Yan Chen

Apomerantzia Quing-Hai Fan & Yan Chen, 2005: 8

Type species: *Pomerantzia prolata* Price, 1971

***Apomerantzia kethleyi* (Price)**

Pomerantzia kethleyi Price, 1975: 487; Kethley, 1989: 101

Apomerantzia kethleyi (Price): Quing-Hai Fan & Yan Chen, 2005: 7

Type locality: Indiana, Lake Co., St. John

Distribution: USA (Indiana, Illinois, Minnesota)

***Apomerantzia prolata* (Price)**

Pomerantzia prolata Price, 1971: 395

Apomerantzia prolata (Price): Quing-Hai Fan & Yan Chen, 2005: 5

Type locality: California, Nevada Co.

Distribution: USA (California)

Genus *Pomerantzia* Baker

Pomerantzia Baker, 1949: 269

Type species: *Pomerantzia charlesi* Baker, 1949

***Pomerantzia benhami* Price**

Pomerantzia benhami Price, 1974: 425

Type locality: California, Fresno Co.

Distribution: USA (California)

***Pomerantzia charlesi* Baker**

Pomerantzia charlesi Baker, 1949: 269; Price, 1974: 420

Type locality: Upson County, Georgia

Distribution: USA (Georgia)

***Pomerantzia philippina* Bochkov et Walter**

Pomerantzia philippina Bochkov & Walter, 2007: 159

Type locality: Romblon Prov., Sibuyan Isl, Magdiwang, beach near of Puto Point, 12°26'N, 122°41'E, soil

Distribution: the Philippines

***Pomerantzia subterranea* Quing-Hai Fan et Yan Chen**

Pomerantzia subterranea Quing-Hai Fan & Yan Chen, 2005: 8

Type locality: Fuzhian

Distribution: China

Index of Pomerantziidae

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

Apomerantzia 341
benhami, *Pomerantzia* 342
charlesi, *Pomerantzia* 342
kethleyi, *Apomerantzia* 342
kethleyi, *Pomerantzia* 342
philippina, *Pomerantzia* 342
Pomerantzia 342
Pomerantziidae 341
Pomerantzioidea 341
prolata, *Apomerantzia* 342
prolata, *Pomerantzia* 342
subterranea, *Pomerantzia* 342

Distribution of Pomerantziidae

ASIA

China (Quing-Hai Fan & Yan Chen, 2005) – *Pomerantzia subterranea*

Philippines (Bochkov & Walter, 2007) – *Pomerantzia philippina*

NORTH AMERICA

United States (Baker, 1949; Price, 1971, 1974, 1975; Price & Benham, 1976) – *Apomerantzia kethleyi*, *A. prolata*, *Pomerantzia benhami*, *P. charlesi*

Bibliography of Pomerantziidae

- Baker 1949. Pomerantziidae, a new family of prostigmatic mites. – J. Wash. Acad. Sci., **39**(8): 269 - 271.
- Bochkov A.V., D.E. Walter. 2007. The life-cycle of *Pomerantzia philippina* sp.n. (Prostigmata: Pomerantziidae) described from the Philippines. – Acarina, **15**(1): 159 – 170.
- Fan Quing-Hai, Yan Chen. 2005. A review of the Pomerantziidae (Acari: Prostigmata: Pomerantzioidea), with the description of a new genus. – Zootaxa, **1037**: 1 - 22.
- Kethley J. 1989. Occurrence of *Pomerantzia kethleyi* (Acari: Prostigmata: Pomerantziidae) in Illinois and Minnesota. - The Great Lakes entomologist, **22**(2): 101.
- Kethley J. 1990. Acarina: Prostigmata (Actinedida). In: Dindal D.L. (Ed.). Soil Biology Guide. New York: John Wiley and Sons. p. 667-756.

- Price D. W. 1971. A new species of *Pomerantzia* Baker from California (Acarina: Pomerantziidae). – Proc. ent. Soc. Wash., **73**(4): 394 - 398.
- Price D. W. 1974. Notes on the genus *Pomerantzia* Baker, with a description of second species from California. – Proc. ent. Soc. Wash., **76**(4): 419 - 427.
- Price D. W. 1975. Notes on the genus *Pomerantzia* Baker with a description of a new species from Indiana. – Proc. ent. Soc. Wash., **77**(4): 487 - 490.
- Price D.W., G.S.Jr. Benham. 1976. Vertical distribution of pomerantziid mites (Acarina: Pomerantziidae).- Proceedings of the Entomological Society of Washington, **78**: 487–490.

The series Acarorum Catalogus – supplementa and corrigenda in the former volumes

In the period of 14 years (2008 - 2021) of publication of my 9 volumes of the series Acarorum Catalogus, the fast development of the Acarology brought to light many new taxa of Acari and many other mites have been re-arranged or synonymized. This task requires a supplement to the published volumes (one, concerning Vol.I, has been already published). These supplements will be certainly followed by many other changes, but it would be proper to fix by 2021 the situation within the 97 families of mites considered in the series.

First update of Volume I:

- Beron P. 2017.** Acarorum Catalogus I Acariformes: Calyptostomatoidea (Calyptostomatiidae), Erythraeoidea (Smarididae, Erythraeidae). Pensoft & Nat. Mus. Natur. Hist. Sofia: supplement 1. - Historia naturalis bulgarica, 24: 131 – 154.

Second update (2017 – 2021)

Beron P. 2008. *Acarorum Catalogus I Acariformes: Calyptostomatoidea (Calyptostomatidae), Erythraeoidea (Smarididae, Erythraeidae)*. Pensoft & Nat. Mus. Natur. Hist. Sofia: 271 pp.

Introduction

Many specialists from Poland, Montenegro, Iran, Turkey, China, Brazil, and other countries added new information to the knowledge on these groups. As a result of the recent contributions, the number of genera and species in Calyptostomatoidea and Erythraeoidea (some of them of uncertain status) is updated as follows:

Calyptostomatoidea

Calyptostomatidae – one genus, ten species

Erythraeoidea

Smarididae – 10 genera, 59 species

Erythraeidae – 57 genera, ca. 890 species

New contributions to the Catalogue:

Fam. **Calyptostomatidae**

Calyptostoma seemani Masoumi et Saboori

Calyptostoma seemani Masoumi & Saboori, 2020: 1823

Type locality: Kandovan region, Alborz province

Distribution: Iran

Erythraeoidea

Fam. **Smarididae**

Unlike most terrestrial parasitengone mites (chiggers, erythraeids), known mostly from parasitic and easy-to-collect larvae, smaridid systematics are mainly based on the post larval instar (Dos Santos, Welbourn, Klimov & Pepato, 2021).

Clavismaris maquine Ott et Ott

Clavismaris maquine Ott & Ott, 2018: 2

Type locality: Atlantic forest area at FEPAGRO Maquiné, Rio Grande do Sul

Distribution: Brazil

Hirstiosoma baenai (Mayoral & Barranco, 2017) in place of *Sphaerotarsus baenai* Mayoral & Barranco, 2017 (Dos Santos et al., 2021)

Hirstiosoma quercus (Yazdanpanah, Saboori & Hakimitabar, 2016) in place of *Sphaerotarsus quercus* Yazdanpanah, Saboori & Hakimitabar, 2016 (Dos Santos et al., 2021)

Sphaerotarsus sadafae Amin, Khanjani et Nadri
Sphaerotarsus sadafae Amin, Khanjani & Nadri, 2020: 1965
Type locality:
Distribution: Iran

Genus ***Southcottiana*** Dos Santos, Welbourn, Klimov et Pepato
Southcottiana Dos Santos, Welbourn, Klimov & Pepato, 2021: 104
Type species: *Sphaerotarsus monticolus* Southcott, 1997

Southcottiana monticola (Southcott)
Sphaerotarsus monticolus Southcott, 1997: 6
Southcottiana monticola (Southcott, 1997): Dos Santos, Welbourn, Klimov & Pepato, 2021: 104
Type locality: Mt. Lofty, S. Australia
Distribution: Australia (S. Australia)

Trichosmaris calcarensis Dos Santos, Welbourn, Klimov et Pepato
Trichosmaris calcarensis Dos Santos, Welbourn, Klimov & Pepato, 2021: 108
Type locality: cave, 5 km E Pain Municipality, Minas Gerais
Distribution: Brazil

Trichosmaris paulensis Dos Santos, Welbourn, Klimov et Pepato
Trichosmaris paulensis Dos Santos, Welbourn, Klimov & Pepato, 2021: 112
Type locality: Americana Municipality, São Paulo State
Distribution: Brazil

According to Dos Santos, Welbourn, Klimov & Pepato (2021), ***Surasmaris*** Southcott, 1995 is a junior synonym of ***Trichosmaris*** Southcott, 1963 and *Surasmaris longirostris* Southcott, 1995 becomes ***Trichotarsus longirostris***.

Fam. Erythraeidae

Erythraeinae

Collemboerythraeus izadpanahi Noei, Sabbori, Sedghi et Hakimitabar
Collemboerythraeus izadpanahi Noei, Sabbori, Sedghi & Hakimitabar, 2017: 2
Type locality: Simkan region, Jahrom city, Fars province

Distribution: Iran

Host: Collembola: Sminthuridae

Curteria duzgunesae (Saboori, Çobanoğlu et Bayram, 2007) – recorded on *Uroleucon* sp. (Homoptera: Aphidae) by Oner et al. (2021).

Erythraeus (E.) ankaraicus Saboori, Çobanoğlu et Bayram, 2007 - recorded also on *Uroleucon aeneum*, *U. sonchi*, *Aphis craccivora*, *A. nerii*, *Aulacorthum solani*, *Brachycaudus* sp., *Hyperomyzus lactucae*, *Macrosiphoniella sanborni* (Homoptera: Aphidae) by Oner et al. (2021).

Erythraeus (E.) cinereus (Dugès) – Montenegro (Haitlinger & Šundić, 2018a)

Erythraeus (E.) hubeiensis Xu, Yi, Guo et Jin

Erythraeus (E.) hubeiensis Xu, Yi, Guo & Jin, 2019: 55

Type locality: Qizimeishan National Natural Reserve, Hubei Province

Distribution: China

Host: Typhlocybini (Cicadellidae: Typhlocybinae)

Erythraeus (E.) moeritzensis Haitlinger, 2007 – Albania (Haitlinger & Šundić, 2018a)

Erythraeus (E.) southcotti Goldarazena et Zhang, 1998 - Albania (Haitlinger & Šundić, 2018a)

Erythraeus (E.) regalis (C. L. Koch, 1837) – Montenegro, Greece (Lesbos) (Haitlinger & Šundić, 2018a)

Erythraeus (E.) phalangoides (De Geer, 1778) - new for Turkey, recorded on *Myzus* sp., *Sitobion* sp. and *Urocyon sonchi* (Homoptera: Aphidae) by Oner et al. (2021)

E. (E.) uhadi Kamran et Alatawi, 2014 – new for Turkey, recorded on *Uroleucon sonchi* (Homoptera: Aphidae) by Oner et al. (2021).

Erythraeus (Parerythraeus) thomasi Roland et Gabryś

Erythraeus (Parerythraeus) thomasi Roland & Gabryś, 2020: 326

Type locality: Biogeographic province: Varsinais-Suomi, loc.:670:25 V, Kaarina Kuusiston Kartano, Kuiva keto

Distribution: Finland

Note: the subgenus *Parerythraeus* is reinstalled as subgenus, out of synonymy with *Erythraeus*, by Roland & Gabryś (2020).

Erythraeus (Zaracarus) coleopterus Mortazavi, Hajikanbar et Saboori, 2012 - new for Turkey, recorded on *Uroleucon sonchi* (Homoptera: Aphidae) by Oner et al. (2021).

E. (Z.) iranicus Saboori et Akrami, 2001 - new for Turkey, recorded on *Uroleucon sonchi* and *Aphis nerii* (Homoptera: Aphidae) by Oner et al., (2021).

E. (Z.) kurdistanensis Khanjani et Ueckermann, 2005 - new for Turkey, recorded on *Brachycaudus tragopogonis*, *Hyperomyzus lactucae* and *Uroleucon sonchi* (Oner et al., 2021)

E. (Zaracarus) hainanensis Xu, Yi, Guo et Jin

E. (Zaracarus) hainanensis Xu, Yi, Guo & Jin, 2019: 64

Type locality: Bawangling National Natural Reserve, Hainan Province

Distribution: China (Hainan)

Host: planthoppers (Hemiptera: Delphacidae)

Erythraeus (Zaracarus) lancifer Southcott, 1995 – Albania (Haitlinger & Šundić, 2018a: 1199)

Erythraeus (Zaracarus) ueckermanni is considered a valid species and not a synonyme of *E. budapestensis* by Saboori & Shirvani (2021)

Lasioerythraeus jessicae Dos Santos Costa

Lasioerythraeus jessicae Dos Santos Costa 2019: 184

Type locality: 19°05'46.0"S, 43°21'25.0"W, in an iron ore terrain cave, Conceição do Mato Dentro municipality, Minas Gerais State

Distribution: Brazil

Leptinae

Leptus (Leptus) andongensis Hakimitabar, Joharchi et Jung

Leptus (L.) andongensis Hakimitabar, Joharchi & Jung, 2020: 1

Type locality: Andong

Distribution: S. Korea

Host: *Meimuna* sp. (Insecta: Homoptera: Cicadidae)

Leptus (Leptus) brasilius Haitlinger, Šundić et Pompermaier

Leptus (Leptus) brasilius Haitlinger, Šundić & Pompermaier. 2017: 874

Type locality: 30 km northeast of Brasilia

Distribution: Brazil

Leptus (Leptus) cameroonicus Haitlinger, Šundić et Nkwala*Leptus (L.) cameroonicus* Haitlinger, Šundić & Nkwala, 2020: 608

Type locality: forest reserve of the town Mbalmayo (3°28'34.218" N; 11°29'37.416E)

Distribution: Cameroon

Host: *Eyprepocinemis plorans ibandana* (Orthoptera: Acrididae)***Leptus (Leptus) candangus*** Šundić, Haitlinger et Pompermaier*Leptus candangus* Šundić, Haitlinger & Pompermaier, 2017: 90

Type locality: Serrado-Pianaltinade (pitfall traps)

Distribution: Brazil

Leptus (Leptus) chingombensis Bernard, Felska et Makol*Leptus (Leptus) chingombensis* Bernard, Felska & Makol, 2019: 794

Type locality: Mikwa stream, Michinga Escarpment, 1160 m

Distribution: Zambia

Hosts: *Heliaeschna fuliginosa* (Odonata: Aeschnidae), *Orthetrum julia* (Libellulidae),
Paragomphus cognatus (Gomphidae), *Pseudagrion spernatum* (Coenagrionidae)***Leptus (Leptus) darvishi*** Saboori, Hakimitabar et Khademi*Leptus (Leptus) darvishi* Saboori, Hakimitabar & Khademi, 2018: 95

Type locality: Komaijan and Mahallat cities, Markazi Province

Distribution: Iran

Host: undetermined grasshoppers (Orthoptera: Acrididae) and undetermined beetles
(Coleoptera: Buprestidae and Tenebrionidae)***Leptus (Leptus) flechtmanni*** Bassini-Silva, Jacinavicius et Barros-Battesti*Leptus (L.) flechtmanni* Bassini-Silva, Jacinavicius & Barros-Battesti, 2020: 2

Type locality: Serra dos Carajás, Parauapebas, Pará, Brazil, (6° 6'29"S, 50° 18'16"W)

Distribution: Brazil

Host: Unidentified opilion (Opiliones: Cosmetidae)

Leptus (Leptus) grancanaricus Haitlinger et Šundić*Leptus (Leptus) grancanaricus* Haitlinger & Šundić, 2020: 836

Type locality: Gran Canaria, Tejada: Mirador de Timagada, altitude 1,258 m

Distribution: Canary Islands

Host: *Herpisticus guanarteme* (Coleoptera: Curculionidae)***Leptus (L.) guarani*** Haitlinger, Šundić, Ázara et Bernardi*Leptus (L.) guarani* Haitlinger, Šundić, Ázara & Bernardi, 2020: 1923

Type locality: State Parana, Morretes

Distribution: Brazil

Hosts: *Acanthogonyleptes editus* (Opiliones: Gonyleptidae)

Leptus (L.) haitlingeri Jacinavicius, Bassini-Silva et Barros-Battesti

Leptus (L.) haitlingeri Jacinavicius, Bassini-Silva & Barros-Battesti, 2018: 975; Bassini-Silva et al., 2020: 8

Type locality: Serra da Cantareira, São Paulo municipality, State of São Paulo

Distribution: Brazil

Hosts: *Fidena (Fidena)* sp. (Diptera: Tabanidae); *Panstrongylus megistus* (Hemiptera: Reduviidae), *Dysdercus* sp. (Hemiptera: Pyrrhocoridae), *Obiricodesmus rosascens* (Diplopoda, Polydesmida: Chelodesmidae)

Leptus (Leptus) machadoi Haitlinger et Šundić

Leptus (Leptus) machadoi Haitlinger & Šundić, 2020: 839

Type locality: Fuerteventura, Jandia, Pico de la Zarza, 807 m

Distribution: Canary Islands

Host: *Laparocerus maxorata* (Coleoptera: Curculionidae)

Leptus (Leptus) mariae – *Drosophila subobscura* (Diptera: Drosophilidae)
(Haitlinger & Šundić, 2018a: 1199)

Leptus (Leptus) molochinus – new for Slovakia (Haitlinger & Šundić, 2021)

Leptus (Leptus) planaltensis Haitlinger, Šundić et Pompermaier

Leptus planaltensis Haitlinger, Šundić & Pompermaier, 2017: 879

Type locality: Brazil

Distribution: Brazil

Leptus (Leptus) pouryayevalii Hakimitabar, Saboori et Fadaei

Leptus pouryayevalii Hakimitabar, Saboori & Fadaei, 2021: 138

Type locality: Koushk Bala Village, Alborz Prov., Chalous road, Karaj, 1824 m

Distribution: Iran

Host: shaking the leaves of weeds

Leptus (L.) sidorchukae dos Santos Costa

Leptus (L.) sidorchukae dos Santos Costa, 2019: 159

Type locality: 19°34'36.0"S, 44°01'13.0"W, in an unnamed limestone cave, Pedro Leopoldo municipality, Minas Gerais State

Distribution: Brazil

Leptus sp. on *Chrysops brunneus* and *Hybomitra lasiophthalma* (Diptera: Tabanidae, Canada)(Mullen et al., 1989)

Abrolophinae

Abrolophus bochkovi Hakimitabar, Saboori et Fadaei*Abrolophus bochkovi* Hakimitabar, Saboori & Fadaei, 2020: 108

Type locality: Qazvin province

Distribution: Iran

Abrolophus diaoluensis Xu et Jin*Abrolophus diaoluensis* Xu & Jin, 2021: 24

Type locality: Hainan, Diaoluoshan National Natural Reserve

Distribution: China (Hainan)

Abrolophus hajikanbar Noei*Abrolophus hajikanbar* Noei, 2022: 226

Type locality: Chahardeh and Chahkand villages, Birjand, South Khorasan province

Distribution: Iran

Abrolophus karamani Haitlinger et Šundić (syn.)*Abrolophus karamani* Haitlinger & Šundić, 2019: 108; the species is considered as a junior synonym of *A. aitapensis* (Southcott 1948) (Hakimitabar, Saboori & Fadaei, 2020b).

Type locality: Port Louis

Distribution: Guadeloupe

Abrolophus marianopolicus Haitlinger et Šundić*Abrolophus marianopolicus* Haitlinger & Šundić, 2018b: 354.

Type locality: 5 km north of Marianopoli (prov. Caltanissetta)

Distribution: Sicily

Abrolophus poljankensis Haitlinger et Šundić*Abrolophus poljankensis* Haitlinger & Šundić, 2021: 39

Type locality: Nižna Poljanka n. Bardejov (Slovakia)

Distribution: Poland, Slovakia

Abrolophus quisquiliarus (Hermann, 1804) – Albania (Haitlinger & Šundić, 2018a: 1202); Canary Islands (La Gomera) (Haitlinger, 2019, first finding in Canaries and Africa)***Abrolophus wratislaviensis*** (Haitlinger, 1986) – Calabria, Sicily (Haitlinger & Šundić, 2018a)***Abrolophus zelandicus*** Luxton*Abrolophus zelandicus* Luxton, 1989: 416; 1990: 398

Type locality: Auckland, Nelson (on a sea shore)

Distribution: New Zealand

Marantelophus iranicus (Haitlinger et Saboori, 1996) – Albania ((Haitlinger & Šundić, 2018a: 1199)

Charletonia elbasani Šundić, Haitlinger et Milosević

Charletonia elbasani Šundić, Haitlinger & Milosević, 2017: 564

Type locality: Elbasan

Distribution: Albania

Host: on grasses

Charletonia kalithensis Haitlinger, 2006 – Albania, Montenegro (Haitlinger & Šundić, 2018a: 1199)

Charletonia braunsi (Oudemans, 1910) – Cameroon (Haitlinger, Šundić & Nkwala, 2020)

Callidosomatinae

Caeculisoma allopenlineatus Xu et Jin

Caeculisoma allopenlineata Xu & Jin, 2020: 286

Type locality: Diaoluoshan National Natural Reserve, Hainan Province

Distribution: China

Hosts: Hemiptera: Cicadellidae, Delphacidae

Caeculisoma penlineatus Xu et Jin

Caeculisoma penlineatus Xu & Jin, 2019c: 511; Xu et al., 2020: 295

Type locality: Chongqing Municipality

Distribution: China (Chongqing Municipality, Guizhou Prov., Hainan Prov.)

Hosts: *Mileewa margheritae* (Hemiptera: Cicadellidae), Gen. sp. (Hem.: Delphacidae)

Caeculisoma semispinus Xu et Jin

Caeculisoma semispinus Xu & Jin, 2019d: 561

Type locality: Qizimeishan National Reserve, Hubei Province

Distribution: China

Host: *Shaddai* sp. (Hemiptera: Cicadellidae)

Dambullaeus adonis Makol et Moniuszko

Dambullaeus adonis Makol & Moniuszko, 2014: 5

Type locality: Western Madagascar

Distribution: Madagascar

Host: *Latois nigrolineata* (Hemiptera: Fulgoromorpha: Flatidae)

Dambullaeus hainanensis Xu et Jin

Dambullaeus hainanensis Xu & Jin, 2019: 456

Type locality: Hainan

Distribution: China

Dambullaeus jianfengensis Xu et Jin

Dambullaeus jianfengensis Xu & Jin, 2020: 297

Type locality: Jianfengling National Natural Reserve, Hainan Province

Distribution: China (Hainan)

Iguatonia seemani Xu et Jin

Iguatonia seemani Xu & Jin, 2020: 306

Type locality: Jianfengling National Natural Reserve, Hainan Province

Distribution: China (Hainan)

Iguatonia xinfengi Xu et Jin

Iguatonia xinfengi Xu & Jin, 2020: 315

Type locality: Jianfengling National Reserve, Hainan Province

Distribution: China (Hainan)

Balaustiinae

Balaustium akramii Noei

Balaustium akramii Noei, 2017: 2218; Oner et al., 2021: 2

Type locality: Sari city, Mazandaran province, Iran

Distribution: Iran, Turkey

Host: *Uroleucon sanchi* (Homoptera: Aphidae)

Balaustium izmirensis Noei et Ersin

Balaustium izmirensis Noei & Ersin, 2019: 31

Type locality: Bornova, Izmir

Distribution: Turkey

Balaustium medicagoense Meyer et Ryke, 1959 – new for New Zealand (Xu & Zhang, 2019)

Balaustium ryszardi Šundić et Noei

Balaustium ryszardi Šundić & Noei, 2021: 2609

Type locality: Peloponese

Distribution: Greece

Distribution of Calyptostomatoidea and Erythraeoidea (suppl.)

EUROPE

- Albania** (Šundić, Haitlinger & Milošević, 2017; Haitlinger & Šundić, 2018a) - *Abrolophus quisquiliarius*, *Charletonia elbasani*, *Erythraeus* (*Zaracarus*) *lancifer*, *E. (E.) moeritzensis*, *E. (E.) southcotti*, *Marantelophus iranica*, *Charletonia kalithensis*
- Finland** (Roland & Gabryś, 2020) – *Erythraeus* (*Parerythraeus*) *thomasi*
- Greece** (Haitlinger & Šundić, 2018a; Šundić & Noei, 2021) – *Balaustium ryszardi*, *Abrolophus anzelmi*, *A. petanovicae*, *A. wratislaviensis*, *Erythraeus (E.) regalis*
- Hungary** (Haitlinger & Šundić, 2018) - *Charletonia cardinalis*, *Moldoustium baltiensis*
- Italy** (Haitlinger & Šundić, 2018a) - *Abrolophus wratislaviensis*, *A. anzelmi*, *A. dagmarae*
- Sicily** (Haitlinger & Šundić, 2018b) - *Abrolophus marianopolicus*, *A. wratislaviensis*
- Montenegro** (Haitlinger & Šundić, 2018a) - *Erythraeus (E.) cinereus*, *E. (E.) regalis*, *Charletonia kalithensis*
- Poland** (Haitlinger & Šundić, 2021) – *Abrolophus poljankus*
- Slovakia** (Haitlinger & Šundić, 2021) - *Abrolophus poljankus*, *Leptus molochinus*
- Turkey** (Gencsoylu, 2007; Noei et al., 2017; Noei, Ersin & Çakmak, 2019; Oner et al., 2021) – *Balaustium akrami*, *B. izmirensis*, *E.(E.) phalangoides*, *E.(E.) uhadi*, *E. (Zaracarus) coleopter*, *E.(Z.) iranica*, *E. (Z.) kurdistanensis*. *Charletonia krendowskyi*

AFRICA

- Canary Islands** (Haitlinger, 2019, Haitlinger & Šundić, 2020) - *Leptus (Leptus) granca-narius*, *L.(L.) machadoi*, *Abrolophus quisquiliarius*
- Cameroon** (Haitlinger, Šundić & Nkwala, 2020) – *Leptus cameronicus*
- Madagascar** (Makol et al., 2014) – *Dambullaeus adonis*
- Zambia** (Bernard, Felska & Makol, 2019) – *Leptus (L.) chingombensis*

ASIA

- China** (Xu, Yi, Guo & Jin, 2019a, b, c, d, 2020, 2021) – *Abrolophus diaoluensis*, *Caeculisoma allopenlineatus*, *C. penlineatus*, *C. semispinus*, *Dambullaeus jianfengensis*, *Erythraeus (E.) hubeiensis*
- Hainan** (Xu, Yi, Guo & Jin, 2020) - *Caeculisoma penlineatus*, *Erythraeus (Z.) hainanensis*, *Dambullaeus hainanensis*, *Iguatonia seemani*, *I. xinfengi*
- India** (Gupta et al., 2004; Gupta A. et al., 2006) - Erythraeidae
- Iran** (Noei et al., 2017; Noei, Maroufpoor, Faizi & Ostovan, 2017; Noei & Asadollahzadeh et al., 2017; Saboori et al., 2018; Hakimitabar, Saboori & Saaveh, 2018; Noei, Saboori, Sedghi & Hakimitabar, 2018; Noei & Rabieh, 2019; Noei & Honarmand, 2020; Hakimitabar, Saboori & Fadaei, 2020, 2021; Masoumi, Saboori & Seiedy, 2020; Amin, Khanjani & Nadri, 2020; Saboori & Shirvani, 2021, Noei, 2022) – *Calyptostoma*

seemani; Smarididae: *Sphaerotarsus sadafae*; Erythraeidae: *Abrolophus bochkovi*, *Balaustium akrami*, *Collemboerythraeus izadpanahi*, *Leptus darwishi*, *L. pouryayevalii*

South Korea (Hakimitabar, Johardii & Jong, 2020) – *Leptus andongensis*

NORTH AMERICA

Canada (Mullen et al. 1989) – *Leptus* sp.

Mexico (Montiel-Parra & Pérez-Ortiz, 2007; Chaires-Grijalva et al., 2021) – *Leptus indianensis*, *L. lomani*, *L. onnae*, *L. ruginus*

SOUTH and CENTRAL AMERICA

Argentina (Cédola, Nolasco & Minardi, 2018) – *Balaustium* sp.

Bolivia (Torrico-Bazoberry et al., 2020) – *Leptus hringuri*

Brazil (Pinto et al., 2014; Šundić et al., 2017; Ott & Ott, 2018; Jacinavicius, 2019; Haitlinger, Šundić & Pompermaier, 2017; Šundić, Haitlinger & Pompermaier, 2017; Guimarraes et al., 2019; Bassini-Silva et al., 2019, 2020; Haitlinger et al., 2020; Dos Santos et al., 2021) – Smarididae: *Clavismaris maquine*, *Trichosmaris calcarensis*, *T. paulensis*; Erythraeidae: *Leptus brasiliensis*, *L. candangus*, *L. guarani*, *L. flechtmanni*, *L. haitlingeri*, *L. planaltensis*, *L. simonetiae*,

Costa Rica (Dos Santos et al., 2021) – *Trichosmaris longirostris*

OCEANIA

Australia (Dos Santos et al., 2021) – *Southcottiana monticola*

New Zealand (Luxton, 1989, 1990; Xu & Zhang, 2020) – *Abrolophus zelandicus*, *Balaustium medicagoense*

Hosts

Arachnida

Opiliones

Fam. Cosmetidae

Acromares vittatum – *Leptus* ca. *indianensis*

Cynorta sp. – *Leptus ruginus*

Holovonones compressus – *Leptus ruginus*

Heterovonones incrassatus – *Leptus indianensis*

Vonones pelaezi – *Leptus ruginus*

Unidentified opilion – *Leptus flechtmanni*

Fam. Gonyleptidae

Acanthogonyleptes editus – *Leptus* (*Leptus*) *guarani*

Caldassius nigripes – *Leptus* sp.

Gonyleptes gonyleptoides – *Leptus* sp.

Moreiranula mamillata - *Leptus* sp.

Fam. Stygnopsidae

Paramitraceras granulatus - *Leptus ruginus*

Fam. Sclerosomatidae

Metopilio sp. - *Leptus ruginus*

Leiobunum nycticorpum - *Leptus ruginus*

Paranelima sp. - *Leptus ruginus*

Prionostemma sp. - *Leptus ruginus*, *L. nr. indianensis*

Krusa sp. - *Leptus ruginus*

Scorpiones

Fam. Buthidae

Centruroides limpidus limpidus - *Leptus ruginus*

Fam. Caraboctonidae

Hadrurus gerstchi - *Leptus ruginus*

Fam. Vejovidae

Vejovis mexicanus - *Leptus* sp.

Vejovis spinigerus - *Leptus* sp.

Vejovis variegatus - *Leptus ruginus*

Amblypygi

Fam. Phryniidae

Phrynus garridoi - *Leptus onnae*

Paraphrynus pococki - *Leptus onnae*

Araneae

Fam. Filistatidae

Kukulcania sp. - *Leptus ca. indianensis*

Ixodida

Fam. Argasidae

Ornithodoros sp. - *Leptus (Leptus) simonettae*

Myriapoda

Diplopoda - Polydesmida

Fam. Chelodesmidae

Obiricodesmus rosascens - *Leptus haitlingeri*

Insecta s.l.

Collembola

Fam. Sminthuridae - *Collemborythraeus izadpanahi*

Odonata

Fam. Aeschnidae

Heliaeschna fuliginosa - *Leptus (Leptus) chingombensis*

Fam. Gomphidae

Paragomphus cognatus - *Leptus (Leptus) chingombensis*

Fam. Libellulidae*Orthetrum julia* - *Leptus (Leptus) chingombensis***Fam. Coenagrionidae***Pseudagrion spernatum* - *Leptus (Leptus) chingombensis***Orthoptera****Fam. Acrididae***Eyrepocinemis plorans ibandana* – *Charletonia braunsi*, *C. cameroonensis*, *C. justinae*, *Leptus cameroonicus**Zonocerus variegatus* – *Charletonia cameroonensis***Hemiptera Heteroptera****Fam. Reduviidae***Panstrongylus megistus* – *Leptus haitlingeri***Fam. Pyrrhocoridae***Dysdercus* sp. - *Leptus haitlingeri***Hemiptera****Fam. Cicadellidae***Mileewa margheritae* – *Caeculisoma penlineatus**Shaddai* sp. – *Caeculisoma semispinus***Fam. Delphacidae**Gen. sp. - *Caeculisoma penlineatus***Fam. Cicadidae***Meimuna* sp. - *Leptus (L.) andongensis***Fam. Membracidae***Alchisme grossa* - *Leptus hringuri***Fam. Flatidae***Latois nigrolineata* - *Dambullaeus adonis***Homoptera****Fam. Aphididae***Uroleucon (U.) sonchi* - *Balaustium akrami*, *Erythraeus ankaraicus*, *E. uhadi*, *E. (Z.) coleopterus*, *E.(Z.) iranica*, *E.(Z.) kurdistanensis**Uroleucon (U.) aeneum* - *Erythraeus ankaraicus**Uroleucon* sp. – *Curteria duzgunesae**Aphis craccivora* - *Erythraeus ankaraicus**A. nerii* - *Erythraeus ankaraicus*, *E.(Z.) iranica**Aulacorthum solani* - *Erythraeus ankaraicus**Brachycaudus tragopogonis* – *Erythraeus (Z.) kurdistanensis**Brachycaudus* sp. - *Erythraeus ankaraicus**Hyperomyzus lactucae* - *Erythraeus ankaraicus*, *Erythraeus (Z.) kurdistanensis**Hyalopterus pruni* - *Erythraeus ankaraicus**Macrosiphoniella sanborni* – *Erythraeus ankaraicus**Myzus* sp. – *Erythraeus phalangoides*

Sitobion sp. - *Erythraeus phalangoides*

Coleoptera

Fam. Curculionidae

Herpisticus guanarteme – *Leptus grancanaricus*

Laparocerus maxorata - *Leptus machadoi*

Fam. Elateridae

Monocrepidius flavangulus - *Leptus* sp.

Glyphonyx flohri – *Leptus* sp.

Diptera

Fam. Tabanidae

Fidena (Fidena) sp. - *Leptus haitlingeri*

Chrysops brunneus – *Leptus* sp.

Hybomitra lasiophthalma – *Leptus* sp.

Fam. Drosophilidae

Drosophila subobscura – *Leptus mariae*

Publications on Calyptostomatoidea and Erythraeoidea

(suppl. 2017 – 2021 and omitted)

- Bassini-Silva R., F. de Castro Jacinavicius, S. Muñoz-Leal, F. A. Terassini, G.M. Barboza de Oliveira, C. Welbourn, M. Šundić, M. B. Labruna, D. M. Barros-Battesti. 2019. *Leptus (Leptus) simonettae* Haitlinger, 2000 (Trombidiformes: Erythraeidae) parasitizing a soft tick (Ixodida: Argasidae) in Brazil. - International Journal of Acarology, DOI:10.1080/01647954.2019.1667433
- Bassini-Silva R. et al. (9 other authors). 2020. A new species of *Leptus (Leptus)* (Trombidiformes: Erythraeidae) and new records of *Leptus (Leptus) haitlingeri* Jaciniavicius, Bassini-Silva & Welbourn, 2019 for Brazil. – Intern. Journal of Acarology, **46**(4): 1 - 9.
- Berbard M., M. Felska, J. Makol. 2019. Erythraeid larvae parasitizing dragonflies in Zambia – description of *Leptus (Leptus) chingombensis* sp. nov. with data on biology and ecology of host-parasite interactions. – Systematic & Applied Acarology, **24**(5): 790 – 813.
- Cédola C.V., V. Nolasco, G.M. Minardi. 2018. Trophic breadth niche, prey preference and developmental time of a *Balaustium* sp. (Acari: Erythraeidae) from Argentina. Persian Journal of Acarology, **7**(3), 255–264.
- Chaires-Grijalva M.P., I.M. Vázquez-Rojas, E.O. Martínez-Luque. 2021. New Host Data and Distribution for an Ectoparasitic Larva of *Leptus* at Tamaulipas, Mexico. - Southwestern Entomologist, **46**(1): 265-270.
- Dos Santos Costa S. G. 2019. Multi-instar descriptions of cave dwelling Erythraeidae (Trombidiformes: Parasitengona) employing an integrative approach. – Zootaxa, **4717**(1): 137 – 184.

- Dos Santos S.G., C. Welbourn, P. Klimov, A. R. Pepato. 2021. Integrating phylogeny, ontogeny and systematics of the mite family Smarididae (Prostigmata, Parasitengona): Classification, identification key, and description of new taxa. – Systematic and Applied Acarology, **26**(1): 85 – 123.
- Elverici M., E. Buga, S. Sevsay. 2022. A contribution to the knowledge of the genus Charletonia [курсив] Oudemans from Turkey. - Persian J. Acarol., **11**(3): 471 - 482.
- Gabryś G., W. Roland. 2018. A Redescription of *Erythraeus italicus* Berlese, 1920(Acari: Ac-tinotrichida: Erythraeidae). - Annales Zoologici, **68**(3): 421-429.
- Gencsoylu I. 2007. A new species of ectoparasite, *Erythraeus ankaraicus* Saboori, Çobanoğlu and Bayram, on *Asymmetrasca* (= *Empoasca*) *decedens* incotton. - Phytoparasitica, **35**: 433–435.
- Gupta A., A. Chalderjee, A. K. Sanyal, S. K. Gupta. 2006. On a collection of soil prostigmatid mites (Acari) from southern parts of West Bengal, India. - Rec. Zool.Surv. India: **106**(4): 61-71.
- Gupta S.K., S. Ghoshal, A. Choudhury, B. Mukherjee. 2004. Phytophagous and predatory mite fauna of Sundarbans Biosphere Reserve: II. Some predatory mites occurring on mangrove vegetation and agri-horticultural crops. - Rec. zool. Surv.India, **103**(3-4) : 33-45.
- Guimarraes R.R., R.R. Guimarrães-Junior, H.R. Rodrigues, R.R. Guimarrães, R.W.Carvalho. 2019. First record of *Leptus* sp. (Latreille) (Acari: Erythraeidae), parasitizing horse fly (Diptera: Tabanidae) from Marambaia Island, Mangaratiba, Rio de Janeiro. Brazil. – Entomol. Bras., **12**(1): 31–34.<https://doi.org/10.12741/ebrasilis.v12i1.731>
- Haitlinger R. 2019. New records of mites from La Gomera, Canary Islands, Spain (Trombidi-formes: Erythraeidae, Trombidiidae). - Ecologica Montenegrina, **20**: 110–113.
- Haitlinger R. 2020. New larval mites (Acari: Prostigmata: Erythraeidae, Microtrombidiidae, Trombidiidae) from Turkey, Peru and Poland. - Wiadomosci Parazytologiczne, **46**(3): 379-396.
- Haitlinger R., M. Šundić. 2018a. New records of mites from Albania, Greece(Lesbos), Italy and Montenegro, with notes on some species (Acari: Prostigmata: Erythraeidae, Microtrombidiidae, Neotrombidiidae, Trombellidae, Trombidiidae). –Linzer biol. Beitr., **50**(1): 1195 -1212.
- Haitlinger R., M. Šundić. 2018b. *Abrolophus marianopolicus* sp. nov.(Trombidiiformes: Ery-thraeidae) from Sicily. Italy with notes on other *Abrolophus* species. – Syst. & Applied Acarology, **23**(2): 353 – 359.
- Haitlinger R., M. Šundić. 2019a. A new species of larval *Abrolophus* Berlese 1891 with notes on *A. aitapensis* (Southcott, 1948) (Acari, Prostigmata, Erythraeidae) from Guadeloupe (Lesser Antilles, France). - The Montenegrin Academy of Sciences and Arts Proceedings of the Section of Natural Sciences, **23**: 107 – 117.
- Haitlinger R., M. Šundić. 2019b. New records of mites (Trombidiiformes:Erythraeidae, Micro trombidiidae, Trombidiidae) from Greece and Hungary and the list of terrestrial para-sitengona found in both countries. - Agriculture & Forestry, **65**(3): 51-63.

- Haitlinger R., M. Šundić. 2020. Two new species of *Leptus* Latreille, 1796 (Trombidiformes: Erythraeidae) from the Canary Islands, parasitising Curculionidae (Insecta: Coleoptera), with new metrical data for some *Leptus* spp. – Systematic Parasitology, **97**: 835–846.
- Haitlinger R., M. Šundić. 2021. A new larval *Abrolophus* Berlese, 1891 from Poland and Slovakia (Acari, Trombidiformes, Erythraeidae) – Spixiana, **44**(1): 39–42.
- Haitlinger R., M. Šundić, L. Ázara, L. F. O. Bernardi. 2020. A new species of larval *Leptus* (*Leptus*) (Trombidiformes: Erythraeidae) from Brazil with list of host-parasite associations between *Leptus* and arthropods in America. – Biologia(2020). <https://doi.org/10.2478/s11756-020-00453-7>
- Haitlinger R., M. Šundić, A.L.D. Nkwala. 2020. Description of *Leptus* (*Leptus*) *cameroonicus* sp. nov. and first record of *Charletonia braunsi* (Oudemans, 1910) from Cameroon (Trombidiformes: Erythraeidae), with new metric and meristic data for some African *Leptus*. – Systematic & Applied Acarology, **25**(4): 607–621.
- Haitlinger R., M. Šundić, V.T. Pompermaier. 2017. Two New Larval *Leptus* Latreille (Trombidiformes: Erythraeidae) From Brazil. – Systematic and Applied Acarology, **22**(6): 874.
- Hakimitabar M., O. Joharchi, C. Jung. 2020. A new species of *Leptus*, the first erythraeid mite (Acari: Trombidiformes) from South Korea. – International Journal of Acarology, **47**(4): 1–12.
- Hakimitabar M., A. Saboori, H.M. Saaveh. 2018. New morphological data and new host record of *Lasioerythraeus saboorii* (Trombidiformes: Erythraeidae) from Iran. – Persian J. Acarol., **7**(1): 41–49.
- Hakimitabar M., A. Saboori, E. Fadaei. 2020. New species of *Abrolophus* (Acari: Erythraeidae) from Iran with a key to species with a comb-like seta on the palpal tarsus. – Syst. & Applied Acarology, **25**(12): 2300–2314.
- Hakimitabar M., A. Saboori, E. Fadaei. 2021. A new species of *Leptus* (Acari: Erythraeidae) from Iran. – Persian Journal of Acarology, **10**(2): 137–143.
- Jacinavicius F. de Castro, R. Bassini-Silva, D. M. Barros-Battesti. 2019. Description of *Leptus* (*Leptus*) *haitlingeri* n.sp. (Trombidiformes: Erythraeidae), parasitising horse flies (Diptera: Tabanidae), and a key to the larvae of *Leptus* spp. in Brazil. – Systematic Parasitology, **96**(8): 723–734.
- Luxton M. 1989. New taxa of intertidal mites. – Journal of Natural History, **23**: 407–428.
- Luxton M. 1990. The marine littoral mites of the New Zealand region. – Journal of the Royal Society of New Zealand, **20**(4): 367–418.
- Małkol J., H. Moniuszko, D. Świerczewski, A. Stroiński. 2014. Planthopper (Hemiptera: Flatidae) Parasitized by Larval Erythraeid Mite (Trombidiformes: Erythraeidae) – A Description of Two New Species From Western Madagascar. – Journal of insect science, **14**(1): 1–12.
- Masoumi H. R., A. Saboori, M. Seiedy. 2020. Descriptions of all active instars of a new species of *Calyptostoma* (Trombidiformes: Calyptostomatidae) from Iran. – Systematic and Applied Acarology, **25**(10): 1821–1839.
- Montiel-Parra G., T. Ma. Pérez-Ortiz. 2007. Nuevos registros de acaros de las familias Trombididae y Erythraeidae parasitos de Arácnidos en México. – Entomología Mexicana **6**. Editors: E. G. Estrada-Venegas, A. Equihua Martínez, C. Luna-León & J. L. Rosas-Acevedo.

- Mullen G.L., D.J. Leprince, B.M. O'Connor. 1989. Acarine associates of horse flies and deer flies (Diptera: Tabanidae) in North America. In: Channa Basavanna, G.P. & Viraktamath, C.A. (Eds) Progress in Acarology, 2, 291- 296.
- Noei J., S. Asadollahzadeh, I. Çakmak, A. Hadizadeh. 2017. A new larval species of *Balaustium* (Acari: Erythraeidae) from northern Iran and Turkey with a key to the genera of larval Balaustiinae and species of *Balaustium*. - Syst. & Applied Acarology, **22**: 2218-2232.
- Noei J., F. Ersin, J. Çakmak. 2019. A new larval species of *Balaustium* (Acari: Actinotrichida: Erythraeidae) from Turkey. - Turkish Journal of Zoology, **43**(1): 30 –42.
- Noei J., A. Honarmand. 2020. Records of terrestrial parasitengone mites (Acari: Erythraeidae, Microtrombidiidae) ectoparasitic on grasshoppers from Khorasan Razavi province with new morphological data. - Pland Pest Res., **10**(4): 15 – 26.
- Noei J., M. Maroufpoor, F. Faizi, H. Ostovan. 2017. Second record of *Erythraeus* (*Zaracarus*) *coleopterus* (Acari: Erythraeidae) from Iran with new morphological data. - Persian Journal Acarology, **6**(2): 71 – 80.
- Noei J., M.M. Rabieh. 2019. New data on *Nothrombidium*, *Southcottella* and *Eatoniana* larvae (Acari: Trombellidae, Neothrombiidae, Erythraeidae) from Iran. - Persian J. Acarol., **8**(3): 179 – 187.
- Noei J., A. Saboori, A. Sedghi, M. Hakimitabar. 2018. A new larval species of the genus *Collemboerythraeus* (Acariformes: Erythraeidae) ectoparasitic on Collembola from Iran. - Syst. Appl. Acarol., **23**(1): 1-12.
- Noei J. 2022. A new species of larval *Abrolophus* () from Iran with a key to species without a comb-like seta on the palptarsus. - Persian Journal of Acarology, **11**(2), serial No41: 225 – 236.
- Oner D., Ş. Kök, A. Saboori, I. Çakmak. 2021. Mites parasitizing aphids in the parks and gardens of Aydin, with eight newly recorded mite species for Turkey and re-description of *Allothrombium clavatum* (Acari: Trombidiidae). - International Journal of Acarology, DOI: 10.1080/01647954.2021.1919758
- Erythraeus* (*Erythraeus*) *phalangoides*, *E. (E.) uhadi*, *Erythraeus* (*Zaracarus*) *coleopterus*, *E. (Z.) iranicus*, *E. (Z.) kurdistanensis* (Erythraeidae) are new records to the Turkish fauna.
- Ott A.P., R. Ott. 2018. A new species of velvet mite from meridional South America of the genus *Clavismaris* (Acari, Erythraeoidea, Smarididae, Hirstiosomatinae). - Iheringia, Série Zoologia, **108**:
- Pinto Z.T., C. Carriço, R.L. Caetano, R.R. Barbosa, R.M. Mendonça, M.M. Queiroz. 2014. First record of *Leptus* sp. Latreille, 1796 (Acari: Erythraeidae) from Itaipuaçu beach, Maricá, RJ, Brazil. Check List, **10**(4): 954–956.
- Roland W., G. Gabryś. 2020. *Erythraeus* (*Parerythraeus*) *thomasi* sp. nov. (Acari: Actinotrichida: Erythraeidae) from Finland, with a redefinition of *Parerythraeus* Southcott, 1946 stat. nov. as a subgenus and a key to species. - Zootaxa, **4718**(3): 324 – 336.
- Saboori A., M. Hartmann, M. Hakimitabar, N. Khademi, A.-R. Katouzian. 2018. A new species of larval *Leptus* (Acari: Erythraeidae) from Markazi Province of Iran. - International Journal of Acarology, **44**: 90 – 95.

- Saboori A., M. Hakimitabar, N. Khademi, H. Masoumi, A.-R. Katouzian. 2020. Corrections and additions to *Leptus* Latreille (Trombidiformes: Erythraeidae) of the world: revised classification and keys. – Persian J. Acarol., **9**(2): 209 – 212.
- Saboori A., Z. Shirvani. 2021. A checklist of Acari type specimens deposited in the Jalal Afshar Zoological Museum, Karaj, Iran. – Zootaxa, **4949**(2): 289–311.
- Stålstedt J., J. Łaydanowicz, P. Lehtinen, J. Bergsten, J. Mąkol. 2019. Checklist of terrestrial Parasitengona mites in Fennoscandia with new species – and distribution records (Acari-formes: Prostigmata). – Biodiversity Data Journal, 7,e36094. <https://doi.org/10.3897/BDJ.7.e36094>
- Šundić M., J. Noei. 2021. Description of *Balaustium ryszardi* sp. n. (Prostigmata) from Greece with a key to the world larval species. – Biologia, **76**: 2609–2617.
- Šundić M., R. Haitlinger, D. Milošević. 2017. *Charletonia elbasani*, a new species from Albania (Acari: Erythraeidae), with notes on *C. kalithensis* Haitlinger, 2006. – Acarologia (Paris), **57**(3): 563 – 569.
- Šundić M., R. Haitlinger, V.T. Pompermaier. 2017. A new species of larval *Leptus* Latreille from Brazil (Acari, Prostigmata, Erythraeidae). – Spixiana, **40**: 89 – 93.
- Torrico-Bazoberry D., C.F. Pinto, J. Davyt-Colo, H.M. Niemeyer. 2020. Response to selected ecological parameters by *Leptus hringuri* Haitlinger, 2000 larvae (Trombidiformes: Erythraeidae) parasitizing treehoppers (Hemiptera: Membracidae) from Bolivia on two host-plant species. – Intern. J. Acarol., **46**(3): 174 – 179.
- Xu Si-Yuan, Yi Tian-Ci, Guo Jian-Jun, Jin Dao-Chao. 2019a. The genus *Erythraeus* (Acari: Erythraeidae) from China with descriptions of two new species and a key to larval species of the genus worldwide. – Zootaxa, **4647**(1): 54 – 83.
- Xu Si-Yuan, Yi Tian-Ci, Guo Jian-Jun & Jin Dao-Chao. 2019b. First record of the genus *Dambulla* (Trombidiformes: Erythraeidae: Callidosomatidae) in China with description of a new species and a revised generic diagnosis. – Intern. J. Acarol., **45**(8): 456 – 462.
- Xu Si-Yuan, Yi Tian-Ci, Guo Jian-Jun & Jin Dao-Chao. 2019c. A new species of larval *Caeculisoma* (Acari: Erythraeidae: Callidosomatinae) ectoparasitic on insects from China and a revised generic diagnosis. – Zootaxa, **4604**(3): 511 – 524, DOI: <https://doi.org/10.11646/zootaxa.4604.3.7>
- Xu S.Y., Yi T.C., Guo J.J., Jin D.C. 2019. A new species of larval *Caeculisoma* (Acari: Erythraeidae) parasitic on cicadas from China with detailed comparison of all larval members in the genus. – Systematic & Applied Acarology, **24**: 560–571.
- Xu Si-Yuan, Yi Tian-Ci, Guo Jian-Jun & Jin Dao-Chao. 2020. Four new species of larval Callidosomatinae (Acari: Prostigmata: Erythraeidae) and a newly recorded genus *Iguatonia* from China with notes on generic concept. – Syst. Appl. Acarol., **25**(2): 285 – 326.
- Xu Si-Yuan, Yi Tian-Ci, Guo Jian-Jun, Jin Dao-Chao. 2021. *Abrolophus diaoluensis* sp. nov. (Acari: Prostigmata: Erythraeidae) from a jungle of Hainan Island. – International Journal of Acarology, **47**(1): 23–34.
- Xu Si-Yuan, Z.-Q. Zhang. 2020. *Balaustium medicagoense* Meyer & Ryke, 1959 newly discovered in New Zealand (Acari: Erythraeidae): descriptions of all lifestages. – Zootaxa, **4900**(1): 125 – 153.

Update 2011 - 2021 to Vol. II

Beron P. 2011. Acarorum Catalogus. II. Acariformes Acaridida Listrophoroidea (Listrophoridae, Dromiciocoptidae, Myocoptidae, Chirodiscidae, Atopomelidae). Pensoft & Nat. Mus. Natur. Hist. Sofia: 263 pp.

Introduction

As a result of the recent contributions (mostly by A. Bochkov and co-authors), the number of genera and species in Listrophoroidea (some of them uncertain status) is updated as follows:

Listrophoridae – 24 genera, 177 species

Dromiciocoptidae – 1 genus, 3 species

Myocoptidae – 5 genera, 86 species

Chirodiscidae – 26 genera, 241 species

Atopomelidae – 44 genera, 413 species

Total 100 genera, 925 sp.

New contributions to the Catalogue:

Fam. Listrophoridae

Afrolistrophorus (Afrolistrophorus) laonastes Bochkov, Abramov et Hugot

Afrolistrophorus (Afrolistrophorus) laonastes Bochkov, Abramov & Hugot, 2011: 11

Type locality: Kammouane Province, 18 km north of Thakhek, near Ban Doy village,
17°33'26"N, 104°49'28"E, 140 m a. s. l.

Distribution: Laos

Host: *Laonastes aenigmamus* (Rodentia: Diatomyidae)

Afrolistrophorus (Afrolistrophorus) hapalomys Bochkov et Abramov

Afrolistrophorus (Afrolistrophorus) hapalomys Bochkov & Abramov, 2014: 139

Type locality: Binh Phuoc Province, Bu Gia Map National Park, 13
km NE Bu Gia Map Village, 540 m a.l.s., 12°11'37"N, 107°12'21"E

Distribution: Vietnam

Host: *Hapalomys delacouri* Thomas (Rodentia, Muridae)

Afrolistrophorus (Afrolistrophorus) saxatilomys Bochkov, Abramov et Hugot

Afrolistrophorus (Afrolistrophorus) saxatilomys Bochkov, Abramov & Hugot, 2011: 14

Type locality: Kammouane Province

Distribution: Laos

Host: *Saxatilomys paulinae* (Rodentia: Muridae)

Amlistrophorus geoxus Sikora et Bochkov

Amlistrophorus geoxus Sikora & Bochkov, 2012: 390

Type locality: Los Lagos, Lago de Todoslos Santos, 41°06'S 72°12'W

Distribution: Chile

Host: *Geoxus valdivianus* (Rodentia: Cricetidae, Sigmodontinae)

Dubininetta abramovi Bochkov

Dubininetta abramovi Bochkov, 2017: 440

Type locality: 5 km east of Na Hang, Tuyen Quang Province, Vietnam; 22°20'59"N, 105°25'36"E

Distribution: Vietnam

Host: *Euroscaptor subanura* (Soricomorpha: Talpidae)

Dubininetta euroscaptor Bochkov

Dubininetta euroscaptor Bochkov, 2017: 438

Type locality: 14 km north of Kon Plong Town, Kon Plong District, Kon Tum Province, Vietnam; 14°43'20"N, 108°18'58"E

Distribution: Vietnam

Host: *Euroscaptor parvidens* (Soricomorpha: Talpidae)

Dubininetta taiwanensis (Fain & Lukoschus, 1978) – is recorded on *Mogera robusta* from the Far East of Russia by Bochkov (2017)

Leporacarus sylvilagi Fain, Whitaker et Lukoschus, 1981 on *Sylvilagus brasiliensis* (Linnaeus, 1758) (Lagomorpha: Leporidae) - on Minas Gerais and Rio Grande do Sul (Brazil)(Bochkov & Valim, 2016)

Lynxacarus (Lynxacarus) serrafreirei Bochkov et Valim

Lynxacarus (Lynxacarus) serrafreirei Bochkov & Valim, 2016: 30

Type locality: Rio de Janeiro

Distribution: Brazil

Host: *Galictis cuja* (Carnivora: Mustelidae)

Prolistrophorus akodon Fain and Lukoschus, 1982 from *Akodon montensis* from Argentina (Sikora & Bochkov, 2012).

Prolistrophorus amazonicus amazonicus Fain, 1971 – on *Calomys callosus* from Argentina and Bolivia, *C. laucha* and *C. musculinus* from Argentina (Sikora & Bochkov, 2012).

Prolistrophorus argentinus (Hirst, 1921) – on *Holochilus brasiliensis* and *H. chacarius* from Argentina (Sikora & Bochkov, 2012).

Prolistrophorus (Amlistrophorus) musculinus Fain, 1973 (formerly a subspecies of *P. amazonicus*) from *Mus musculus* (Rodentia: Muridae) from Suriname is raised to species status. The full generic status for the subgenus *Amlistrophorus* of the genus *Prolistrophorus* proposed by Fain et al., 1996 is not supported (Sikora & Bochkov, 2012).

P. nectomys Fain, 1971 – on *Nectomys palmipes* from Peru and *Melanomys caliginosus* from Panama (Sikora & Bochkov, 2012).

P. bidentatus Fain et Lukoschus, 1984 from *Akodon cursor* (Rodentia: Cricetidae) (new host-from Minas Gerais and Rio Grande do Sul, for the first time in Brazil) (Bochkov & Valim, 2016).

Prolistrophorus (Aprolistrophorus) parabidentatus Bochkov, Lareschi et Barreto
Prolistrophorus (Aprolistrophorus) parabidentatus Bochkov, Lareschi & Barreto, 2014: 590
 Type locality: Argentina
 Distribution: Argentina
 Host: *Akodon azarae* (Rodentia: Cricetidae, Sigmodontinae)

Prolistrophorus (Aprolistrophorus) tylomys Bochkov, Lareschi et Barreto
Prolistrophorus (Aprolistrophorus) tylomys Bochkov, Lareschi & Barreto, 2014: 592
 Type locality: Guatemala
 Distribution: Guatemala
 Host: *Tylomys nudicaudus* (Rodentia: Cricetidae)

Prolistrophorus (Beprolistrophorus) hirstianus Fain, 1973 from *Scapteromys aquaticus* from Argentina (Bochkov, Lareschi & Barreto, 2014)

Prolistrophorus (P.) argentinus (Hirst, 1921) – on *Holochilus brasiliensis* and *H. chacarius* from Argentina (Sikora & Bochkov, 2012); on *Melanomys caliginosus*, *Akodon affinis* from Colombia and *Scapteromys aquaticus* from Argentina (Bochkov, Lareschi & Barreto, 2014)

Prolistrophorus ctenomys Fain, 1970 on *Ctenomys torquatus* (Rodentia: Ctenomyidae) from Brazil (Bochkov & Valim, 2016)

Prolistrophorus (P.) grassii (Radford, 1954) on *Zygodontomys brevicauda* from Colombia (Bochkov, Lareschi & Barreto, 2014)

Prolistrophorus (Prolistrophorus) frontalis (Hirst, 1921) on *Oligoryzomys* sp. from Argentina (Bochkov, Lareschi & Barreto, 2014)

Prolistrophorus hylaeamys Bochkov et Valim

Prolistrophorus hylaeamys Bochkov & Valim, 2016: 27

Type locality: Minas Gerais

Distribution: Brazil

Host: *Hylaeamys laticeps* (Rodentia: Cricetidae, Sigmodontinae)

Prolistrophorus musculus Fain, 1973 (formerly a subspecies of *P. amazonicus*) from *Mus musculus* (Rodentia: Muridae) from Suriname is raised to species status (Sikora & Bochkov, 2012)

Pteromychirus menetes Bochkov, Abramov et Hugot

Pteromychirus menetes Bochkov, Abramov & Hugot, 2011: 17

Type locality: Kammouane Province, 18 km north of Thakhek, near Ban Doy village, 17°33'26"N, 104°49'28"E, 140 m a. s. l.

Distribution: Laos

Host: *Menetes berdmorei* (Rodentia: Sciuridae)

Sclerolistrophorus oxymycteris Fain, 1976 – on *Oryzomys laticeps* from Brazil (Sikora & Bochkov, 2012)

Fam. **Myocoptidae**

Genus ***Apocalyptoides*** Bochkov

Apocalypsis Bochkov, 2010: 148 (praeoccupied name, not Butler, 1876, Lepidoptera).

Apocalyptoides Bochkov, 2016b: (replacement name)

Type species *Criniscansor* [not *Gliricoptes* !] *allactaga* Fain et Lukoschus, 1979

Apocalyptoides allactaga (Fain et Lukoschus)

Criniscansor [not *Gliricoptes*] *allactaga* Fain et Lukoschus, 1979: 236

Apocalypsis allactaga (Fain et Lukoschus): Bochkov, 2010: 148

Apocalyptoides allactaga (Fain et Lukoschus): Bochkov, 2016b:

Type locality: Char-nur

Distribution: Mongolia

Host: *Allactaga sibirica* (Rodentia: Dipodidae)

Criniscansor congolensis Fain, 1970 – on *Grammomys macmillani* from Tanzania (Bochkov, OConnor & Skoracki, 2016)

Gliricoptes graphiuri Fain, 1970 is synonymised with ***G. vulcanorum*** Fain, 1970 by Bochkov, OConnor & Skoracki, 2016

Gliricoptes vulcanorum Fain, 1970 in Tanzania (Bochkov, OConnor & Skoracki, 2016)

Myocoptes (M.) grammomys Fain, 1970 – on *Grammomys dryas* from Burundi and Uganda (Bochkov, OConnor & Skoracki, 2016)

Myocoptes (M.) lophuromys Bochkov, OConnor et Skoracki
Myocoptes (M.) lophuromys Bochkov, OConnor & Skoracki, 2016: 588
 Type locality: Uganda
 Distribution: Uganda
 Host: *Lophuromys voosnami* (Rodentia: Muridae)

Myocoptes meriones Bochkov
Myocoptes (M.) meriones Bochkov, 2016b: 477
 Type locality: Kirghizia
 Distribution: Kirghizia, Tajikistan
 Hosts: *Meriones tamariscinus*, *M. libycus* (Rodentia: Muridae)

Myocoptes (M.) spinulatus Fain, 1970 – on *Dendromus mysticalis* from Tanzania (Bochkov, OConnor & Skoracki, 2016)

Myocoptes (Comyoptes) nesokia Bochkov et OConnor
Myocoptes (Comyoptes) nesokia Bochkov & OConnor, 2017: 47
 Type locality: Pakistan
 Distribution: Pakistan
 Host: *Nesokia indica* (Rodentia: Muridae)

Trichoecius angolensis Fain, 1972 is described for the first time by Bochkov, OConnor & Skoracki, 2016. Found in South Africa.

Trichoecius dubininae Bochkov
Trichoecius dubininae Bochkov, 2016b: 462
 Type locality: Chelyabinsk Province, Russia

Distribution: Kazakhstan, Kirghizia, Russia

Host: *Lasiopodomys gregalis* (Rodentia: Arvicolidae)

Trichoecius faini Bochkov, OConnor et Skoracki

Trichoecius faini Bochkov, OConnor & Skoracki, 2016: 595

Type locality: Tanzania

Distribution: Tanzania

Host: *Hylomyscus arcimontanus* (Rodentia: Muridae)

Trichoecius hylomyscus Bochkov, OConnor et Skoracki

Trichoecius hylomyscus Bochkov, OConnor & Skoracki, 2016: 593

Type locality: Tanzania

Distribution: Gabon, Tanzania

Hosts: *Hylomyscus anselli*, *H. stella* (Rodentia: Muridae)

Trichoecius lemmus Bochkov

Trichoecius lemmus Bochkov, 2016b: 466

Type locality: Taymyr peninsula

Distribution: Russia

Host: *Lemmus sibiricus* (Rodentia: Arvicolidae)

Trichoecius lootensis Fain, 1970 in Tanzania (Bochkov, OConnor & Skoracki, 2016)

Trichoecius meriones Bochkov

Trichoecius meriones Bochkov, 2016b: 468

Type locality: Turkmenia

Distribution: Turkmenia

Host: *Meriones meridianus* (Rodentia: Muridae)

Trichoecius otomys Fain, 1970 – on *Otomys typus* from Uganda (Bochkov, OConnor & Skoracki, 2016)

Fam. Chirodiscidae

Lutrilichus javanicus Fain, 1970 – on *Melogale moschata* from Vietnam (Bochkov, 2018)

Schizocarpus azasicus Bochkov et Saveljev

Schizocarpus azasicus Bochkov & Saveljev, 2012: 12

Type locality: Tuva, Todzhinskii District

Distribution: Russia (Tuva)

Host: *Castor fiber tuvinicus* (Rodentia: Castoridae)

Schizocarpus brachyurus (Dubinina, 1964) (= *Sch. intercalatus* Fain et Lukoschus, 1985 = *Sch. parabrachyurus* Fain et Lukoschus, 1985) - on *Castor fiber tuvinicus* from Russia (Tuva) (Bochkov & Saveljev, 2012)

Schizocarpus faini Bochkov, Labrzycka, Skoracki et Saveljev

Schizocarpus faini Bochkov, Labrzycka, Skoracki & Saveljev, 2012: 46

Type locality: Suwalki

Distribution: Poland

Host: *Castor fiber belorussicus* (Rodentia: Castoridae)

Schizocarpus fedjushini (Dubinina, 1964) – on *Castor fiber tuvinicus* from Russia (Tuva) (Bochkov & Saveljev, 2012); on *Castor fiber belorussicus* from Poland (Bochkov et al., 2012)

Schizocarpus gozdziwski Bochkov, Labrzycka, Skoracki et Saveljev

Schizocarpus gozdziwski Bochkov, Labrzycka, Skoracki & Saveljev, 2012: 51; Bochkov & Saveljev, 2012: 16

Type locality: Suwalki

Distribution: Poland, Russia (Tuva)

Hosts: *Castor fiber belorussicus*, *C.f. orientoeuropaeus*, *C.f. tuvinicus* (Rodentia: Castoridae)

Schizocarpus heatherae Bochkov, Labrzycka, Skoracki et Saveljev

Schizocarpus heatherae Bochkov, Labrzycka, Skoracki & Saveljev, 2012: 49

Type locality: Suwalki

Distribution: Poland

Host: *Castor fiber belorussicus* (Rodentia: Castoridae)

Schizocarpus heidecke Bochkov et Saveljev

Schizocarpus heidecke Bochkov & Saveljev, 2012: 9

Type locality: Tuva, Todzhinskii District

Distribution: Russia (Tuva)

Host: *Castor fiber tuvinicus* (Rodentia: Castoridae)

Schizocarpus insignis Fain et Lukoschus, 1985 – on *Castor fiber tuvinicus* from Russia (Tuva) (Bochkov & Saveljev, 2012); on *Castor fiber belorussicus* from Poland (Bochkov et al., 2012)

Schizocarpus klompeni Bochkov, Labrzycka, Skoracki et Saveljev

Schizocarpus klompeni Bochkov, Labrzycka, Skoracki & Saveljev, 2012: 50

Type locality: Suwalki

Distribution: Poland

Host: *Castor fiber belorusicus* (Rodentia: Castoridae)

Schizocarpus lavrovi Bochkov et Saveljev

Schizocarpus lavrovi Bochkov & Saveljev, 2012: 7

Type locality: Tuva, Todzhinskii District

Distribution: Russia (Tuva)

Host: *Castor fiber tuvunicus* (Rodentia: Castoridae)

Schizocarpus modestus Fain et Lukoschus, 1985 – on *Castor fiber tuvunicus* from Russia (Tuva)(Bochkov & Saveljev, 2012)

Schizocarpus parahumilis Bochkov, Labrzycka, Skoracki et Saveljev

Schizocarpus parahumilis Bochkov, Labrzycka, Skoracki & Saveljev, 2012: 53

Type locality: Suwalki

Distribution: Poland

Host: *Castor fiber belorusicus* (Rodentia: Castoridae)

Schizocarpus pseudonumerosus Bochkov, Labrzycka, Skoracki et Saveljev

Schizocarpus pseudonumerosus Bochkov, Labrzycka, Skoracki & Saveljev, 2012: 47

Type locality: Suwalki

Distribution: Poland

Host: *Castor fiber belorusicus* (Rodentia: Castoridae)

Schizocarpus pusillus Fain et Lukoschus, 1985 – on *Castor fiber tuvunicus* from Russia (Tuva)(Bochkov & Saveljev, 2012)

Schizocarpus radiatus Fain et Lukoschus, 1985 – on *Castor fiber tuvunicus* from Russia (Tuva)(Bochkov & Saveljev, 2012); on *Castor fiber belorusicus* from Poland (Bochkov et al., 2012)

Schizocarpus saveljevi Bochkov

Schizocarpus saveljevi Bochkov, 2012: 168

Type locality: Leningrad Province

Distribution: Russia

Host: *Castor fiber* (Rodentia: Castoridae)

Schizocarpus subornatus Fain et Lukoschus, 1985 – on *Castor fiber tuvunicus* from Russia (Tuva)(Bochkov & Saveljev, 2012)

Schizocarpus testiculatus Bochkov, Labrzycka, Skoracki et Saveljev*Schizocarpus testiculatus* Bochkov, Labrzycka, Skoracki & Saveljev, 2012: 44

Type locality: Suwalki

Distribution: Poland

Host: *Castor fiber belorussicus* (Rodentia: Castoridae)***Schizocarpus tuvonicus*** Bochkov et Saveljev*Schizocarpus tuvonicus* Bochkov & Saveljev, 2012: 10

Type locality: Tuva, Todzhinskii District

Distribution: Russia

Host: *Castor fiber tuvonicus* (Rodentia: Castoridae)***Schizocarpus unzhakovi*** Bochkov et Saveljev*Schizocarpus unzhakovi* Bochkov et Saveljev, 2012: 8

Type locality: Tuva, Todzhinskii District

Distribution: Russia (Tuva)

Host: *Castor fiber tuvonicus* (Rodentia: Castoridae)***Schizocarpus zurowskii*** Bochkov, Labrzycka, Skoracki et Saveljev*Schizocarpus zurowskii* Bochkov, Labrzycka, Skoracki & Saveljev, 2012: 52; Bochkov & Saveljev, 2012: 16

Type locality: Suwalki

Distribution: Poland, Russia

Host: *Castor fiber belorussicus* (Rodentia: Castoridae)***Schizocoptes daberti*** Bochkov*Schizocoptes daberti* Bochkov, 2016: 005

Type locality: South Kivu, Plantation Lemera

Distribution: DR Congo

Host: *Chrysochloris stuhlmanni* (Afrosoricida: Chrysochloridae)***Soricilichus sylvisorex*** Bochkov, Mbaltini et Verheyen*Soricilichus sylvisorex* Bochkov, Mbaltini & Verheyen, 2016: 249

Type locality: DR Congo

Distribution: DR Congo

Hosts: *Sylvisorex granti*, *S. lunaris*, *S. vulcanorum* (Soricomorpha: Soricidae)

Fam. Atopomelidae***Atopomelus megalotis*** Bochkov, Abramov et Hugot*Atopomelus megalotis* Bochkov, Abramov & Hugot, 2011: 6Type locality: Kammouane Province, 18 km north of Thakhek, near Ban Doy village,
17°33'26"N, 104°49'28"E, 140 m a. s. l.

Distribution: Laos

Host: *Hylomys megalotis* (Erinaceomorpha: Erinaceidae)***Didelphoecius micoureus*** Bochkov et Valim*Didelphoecius micoureus* Bochkov & Valim, 2016: 32

Type locality: Minas Gerais

Distribution: Brazil

Host: *Micoureus paraguayanus* (Didelphimorphia: Didelphidae)***Listrophoroides oconnori*** Bochkov, Abramov et Hugot*Listrophoroides oconnori* Bochkov, Abramov & Hugot, 2011: 3Type locality: Kammouane Province, 18 km north of Thakhek, near Ban Doy village,
17°33'26"N, 104°49'28"E, 140 m a. s. l.

Distribution: Laos

Host: *Saxatilomys paulinae* (Rodentia: Muridae)

Distribution of Listrophoroidea (suppl.)

EUROPE**Poland** (Bochkov, Labrzycka, Skoracki & Saveljev, 2012) – *Schizocarpus brachyurus*, *Sch. faini*, *Sch. fedjushini*, *Sch. gozdziowskii*, *Sch. heatherae*, *Sch. insignis*, *Sch. klompeni*, *Sch. parahumilis*, *Sch. pseudonumerosus*, *Sch. radiatus*, *Sch. testiculatus*, *Sch. zurowskii***Russia** (entire)(Bochkov & Saveljev, 2012; Bochkov, 2012, 2016b) – *Schizocarpus brachyurus* (= *Sch. intercalatus*, = *Sch. parabrachyurus*), *Sch. gozdziowskii*, *Sch. saveljevi*, *Sch. azasicus*, *Sch. daberti*, *Sch. heidekei*, *Sch. insignis*, *Sch. lavrovi*, *Sch. modestus*, *Sch. pusillus*, *Sch. radiatus*, *Sch. subornatus*, *Sch. tuvinicus*, *Sch. unzhakovi*, *Trichoecius dubininae*, *T. lemmus***AFRICA****Burundi** (Bochkov, OConnor & Skoracki, 2016) - *Myocoptes grammomys***DR Congo** (Bochkov, Mbaltini & Verheyen, 2016; Bochkov, 2016) - *Soricilichus sylvisorex*, *Schizocoptes daberti***Gabon** (Bochkov, OConnor & Skoracki, 2016) - *Trichoecius hylomyscus***South Africa** (Bochkov, OConnor & Skoracki, 2016) – *Trichoecius angolensis*

Tanzania (Bochkov, OConnor & Skoracki, 2016) – *Criniscansor congolensis*, *Gliricoptes vulcanorum*, *Myocoptes spinulatus*, *Trichoecius faini*, *T. hylomyscus*, *T. lootensis*

Uganda (Bochkov, OConnor & Skoracki, 2016) – *Lophuromys voosnami*, *Myocoptes grammomys*, *Trichoecius otomys*

ASIA

Kazakhstan (Bochkov, 2016) – *Trichoecius dubininae*

Kirghizia (Bochkov, 2016) – *Trichoecius dubininae*

Laos (Bochkov, Abramov & Hugot, 2011) – *Afrolistophorus laonastes*, *A. saxatilomys*, *Pteromychirus menetes*, *Atopomelus megalotis*, *Listrophoroides oconnori*

Vietnam (Bochkov, 2017, 2018) – *Dubininetta abramovi*, *D. euroscaptor*, *Lutrilichus javanicus*

SOUTH and CENTRAL AMERICA

Argentina (Sikora & Bochkov, 2012) – *Prolistophorus (Aprolistophorus) parabidentatus*, *Prolistophorus akodon*, *P. amazonicus*, *P. argentines*, *P. (P.) frontalis*, *P. (Beprolistophorus) hirstianus*

Bolivia (Sikora & Bochkov, 2012) – *Prolistophorus amazonicus*

Brazil (Sikora & Bochkov, 2012, Bochkov & Valim, 2016; Gorza et al., 2018) – *Didelphoecius micoureus*, *Leporacarus gibbus*, *L. sylvilagi*, *Lynxacarus serrafrereirei*, *Parakosa tadarida*, *Prolistophorus bidentatus*, *P. ctenomys*, *P. hylaeamys*, *Sclerolistophorus oxymycteris*

Chile (Sikora & Bochkov, 2012) – *Amlistophorus geoxus*

Colombia (Bochkov, Lareschi & Barreto, 2014) – *Prolistophorus (Prolistophorus) grassii*, *P. (P.) argentinus*

Far East of Russia (Bochkov, 2017) – *Dubininetta taiwanensis*

Grenada (Springer et al., 2018) – *Afrolistophorus* sp., *Atopomelidae*

Guatemala (Bochkov, Lareschi & Barreto, 2014) – *Prolistophorus (Aprolistophorus) tylomys*

Panama (Sikora & Bochkov, 2012) – *Prolistophorus nectomys*

Peru (Sikora & Bochkov, 2012) – *Prolistophorus nectomys*

Suriname (Sikora & Bochkov, 2012) – *Prolistophorus musculus*

Hosts

Didelphimorphia

Fam. Didelphidae

Metachirus nudicaudatus – *Didelphoecius validus*

Micoureus paraguayanus – *Didelphoecius micoureus*

Erinaceomorpha

Fam. Erinaceidae

Hylomys megalotis - *Atopomelus megalotis*

Afrosoricida**Fam. Chrysochloridae**

Chrysochloris stuhlmanni – *Schizocoptes daberti*

Soricomorpha**Fam. Soricidae**

Sylvisorex granti - *Soricilichus sylvisorex*

S. lunaris - *Soricilichus sylvisorex*

S. vulcanorum - *Soricilichus sylvisorex*

Fam. Talpidae

Euroscaptor parvidens – *Dubininetta euroscaptor*

E. subanura – *Dubininetta abramovi*

Mogera robusta - *Dubininetta taiwanensis*

Chiroptera**Fam. Molossidae**

Molossus molossus – *Parakosa tadarida*

Rodentia**Fam. Arvicolidae**

Lasiopodomys gregalis – *Trichoecius dubininae*

Lemmus sibiricus - *Trichoecius lemmus*

Fam. Cricetidae

Akodon affinis - *Prolistrophorus* (*Prolistrophorus*) *argentinus*

A. azarae - *Prolistrophorus* (*Aprolistrophorus*) *parabidentatus*

A. cursor – *Prolistrophorus bidentatus*

A. montensis – *Prolistrophorus akodon*

Calomys callosus - *Prolistrophorus amazonicus*

C. laucha - *Prolistrophorus amazonicus*

C. musculus - *Prolistrophorus amazonicus*

Geoxus valdivianus – *Amlistrophorus geoxus*

Hylaeamys laticeps - *Prolistrophorus hylaeamys*

Melanomys caliginosus - *Prolistrophorus argentinus*, *P. nectomys*

Nectomys palmipes – *Prolistrophorus nectomys*

Oligoryzomys sp. – *Prolistrophorus* (*P.*) *frontalis*

Oryzomys laticeps - *Sclerolistrophorus oxymycteris*

Scapteromys aquaticus - *Prolistrophorus argentinus*, *P. (Beprolistrophorus) hirstianus*

Tylomys nudicaudus - *Prolistrophorus* (*Aprolistrophorus*) *tylomys*

Zygodontomys brevicauda - *Prolistrophorus* (*Prolistrophorus*) *grassii*

Fam. Ctenomyidae

Ctenomys torquatus – *Prolistrophorus ctenomys*

Fam. Muridae

Dendromus mysticalis – *Myocoptes spinulatus*
Grammomys dryas – *Myocoptes grammomys*
G. macmillani – *Criniscansor congolensis*
Hapalomys delacouri – *Afrolistophorus hapalomys*
Hylomyscus anelli – *Trichoecius hylomyscus*
H. arcimontanus – *Trichoecius faini*
H. stella – *Trichoecius hylomyscus*
Meriones tamariscinus – *Myocoptes meriones*
M. libycus – *Myocoptes meriones*
M. meridianus – *Trichoecius meriones*
Otomys typus – *Trichoecius otomys*
Saxatilomys paulinae – *Afrolistophorus saxatilomys*, *Listrophoroides oconnori*

Lagomorpha

Fam. Leporidae

Sylvilagus brasiliensis – *Leporacarus sylvilagi*

Fam. Castoridae

Castor fiber – *Schizocarpus saveljevi*

Castor fiber belorussicus – *Schizocarpus brachyurus*, *Sch. heatherae*, *Sch. faini*,

Sch. fedjushini, *Sch. gozdzienskii*, *Sch. insignis*, *Sch. klompeni*, *Sch. parahumilis*,

Sch. pseudonumerosus, *Sch. radiatus*, *Sch. testiculatus*, *Sch. zurowskii*

Castor fiber tuvinicus – *Schizocarpus azasicus*, *Sch. daberti*, *Sch. gozdzienskii*, *Sch. grandis*, *Sch. heidekei*, *Sch. insignis*, *Sch. lavrovi*, *Sch. modestus*, *Sch. pusillus*, *Sch. radiatus*, *Sch. subornatus*, *Sch. tuvinicus*, *Sch. unzakovi*, *Sch. zurowskii*

Carnivora

Fam. Mustelidae

Melogale moschata – *Lutrilichus javanicus*

Galictis cuja – *Lynxacarus (Lynxacarus) serrafreirei*

Publications on Listrophoroidea

(suppl. 2011 - 2021)

- Bochkov A.V. 2012. *Schizocarpus saveljevi* sp. nov. (Acariformes: Chirodiscidae) parasitizing the Eurasian beaver–*Castor fiber* Linnaeus, 1758 (Rodentia: Castoridae) from Leningrad Province (Russia). - Proc. Zool. Inst. RAS, **316**(2): 166 – 171.
- Bochkov A.V. 2016a. A new mite species *Schizocoptes daberti* sp. n. (Acariformes: Chirodiscidae) from *Chrysochloris stuhlmanni* Matsche (Afrosoricida: Chrysochloridae) in the Democratic Republic of the Congo. - Folia Parasitologica, **63**: 005.
- Bochkov A.V. 2016b. Myocoptid mites (Acariformes: Myocoptidae) of the fauna of the former USSR. - Zootaxa, **4193**(3): 451–485. DOI: 10.1164

- Bochkov A.V. 2017. A review of fur-mites of the genus *Dubininetta* Fain & Lukoschus, 1978 (Acariformes: Listrophoridae), ectoparasites of moles (Soricomorpha: Talpidae). - *Systematic Parasitology*, **94**(6): 635–647. <https://doi.org/10.1007/s11230-017-9732-6>
- Bochkov A.V. 2018. External morphology of postembryonic stages of *Lutrilichus javanicus* (Acariformes: Chirodiscidae) from *Melogale moschata* (Carnivora: Mustelidae) from Vietnam. - *Acarologia*, **58**(4): 763 – 772.
- Bochkov, A.V., A.V. Abramov. 2014. Acariform mites (Acariformes)–permanent symbionts of *Hapalomys delacouri* Thomas (Rodentia, Muridae) in Vietnam. - *ZooKeys*, **459**: 137–145.
- Bochkov A.V., A. Labrzycka, M. Skoracki, A.P. Saveljev. 2012. Fur mites of the genus *Schizocarpus* Trouessart (Acari: Chirodiscidae) parasitizing the Eurasian beaver *Castor fiber belorussicus* Lavrov (Rodentia: Castoridae) in NE Poland (Suwalki). - *Zootaxa*, **3152**: 39 – 59.
- Bochkov A.V., M. Lareschi, M. Baretto. 2014. New species and records of the mite genus *Prolistrophorus* (Acariformes: Listrophoridae) from rodents of the subfamily Sigmodontinae (Rodentia: Cricetidae). - *Acta Parasitologica*, **59**(4): 586 – 595.
- Bochkov A.V., S.G. Mbalitini, E. Verheyden. 2016. Myocoptid mites (Acariformes: Review of the fur-mite genus *Soricilichus* Fain, 1970 (Acariformes: Chirodiscidae) – symbionts of the African shrews of the subfamily Crocidurinae (Soricomorpha: Soricidae). - *Zootaxa*, **4072**(2): 235 - 253. DOI: 10.11646/zootaxa.4072.2.6
- Bochkov A.V., B.M.OConnor, M. Skoracki. 2017. New species and new records of mites of the family Myocoptidae (Acariformes: Sarcoptoidea) from African rodents. - *Journal of Medical Entomology*, **54**(3): 587 – 596.
- Bochkov A.V., B.M.OConnor. 2017. A new species of myocoptid mites *Myocoptes* (*Comyocoptes*) *nesokia* sp. nov. (Acariformes: Myocoptidae) parasitizing *Nesokia indica* (Rodentia: Muridae) in Pakistan. - *Acta Parasitologica*, **62**(1): 46 – 49.
- Bochkov A.V., A.P. Saveljev. 2014. Mites of the genus *Schizocarpus* Trouessart, 1896 (Acariformes: Chirodiscidae) from the North American beavers (*Castor canadensis*) in Russia. - *Parazitologiya*, **48**(6): 430 – 436.
- Bochkov A.V., M.P. Valim. 2016. New species and records of mites of the superfamily Sarcoptoidea (Acariformes: Psoroptidia) from mammals in Brazil. - *Acta Parasitologica*, **61**: 22 – 44. All data on host-parasite associations of sarcoptoids in Brazil are summarized. Totally, 61 sarcoptoid species of 8 families are recorded in Brazil.
- Gorza L.L., C. M. Ferraz, D. M.Araujo, A. D. C. G. Lopes, L. B. Carvalho, F. L. G. Leite, P. C. G. Farias, A. R. Oliveira, F. R. Braga. 2018. *Leporacarus gibbus* (Acari: Listrophoridae) in a naturally-infested domestic rabbit: first report of its occurrence in the state of Espírito Santo, Brazil. - *Bioscience Journal*, **34**(6): 1693 – 1696.
- Sikora B., A.V. Bochkov. 2012. Fur mites of the family Listrophoridae (Acariformes: Sarcoptoidea) associated with South American sigmodontine rodents (Cricetidae: Sigmodontinae). - *Acta Parasitologica*, **57**(4): 388 – 396.
- Springer C. C.; K. Tiwari, A.M. Acuna, R. Sharma. 2018. Observation of Fur-mites of the Family Atopomelidae and Listrophoridae (Acari: Astigmata) from Brown Rats (*Rattus*

norvegicus) in Grenada, West Indies: A Preliminary Report. - Journal of Animal Research; New Delhi, 8(1): 163-164.

Update 2014 - 2021 to Vol. III

Beron P. 2014. Acarorum Catalogus. III. Opilioacarida, Holothyrida, Mesostigmata (Dermanyssoidea). Pensoft & Nat. Mus. Natur. Hist. Sofia: 286 pp.

Introduction

As a result of the recent contributions, the number of genera and species in Beron, 2014 (some of them of uncertain status) is updated as follows:

Opilioacarida – 13 genera, 55 recent and 3 fossil species

Holothyrida – 15 genera, 30 species

Macronyssidae – 34 genera, 236 species

Dermanyssidae – 3 genera, 39 species

Halarachnidae – 6 genera, 40 species

Raillietiidae – 1 genus, 7 species

Entonyssidae - 8 genera, 24 species

Manitherionyssidae – 1 genus, 1 species

Hystrichonyssidae - 1 genus, 1 species

Dasyponyssidae - 2 genera, 2 species

Spelaeorhynchidae - 1 genus, 7 species

New contributions to the Catalogue:

Opilioacarida

Fam. Opilioacaridae

Genus *Amazonacarus* Vázquez, de Araújo et Feres

Amazonacarus Vázquez, de Araújo & Feres, 2014: 152

Type species: *Amazonacarus setosus* Vázquez, de Araújo et Feres, 2014

Amazonacarus paraensis Vázquez, de Araújo et Feres

Amazonacarus paraensis Vázquez, de Araújo & Feres, 2014: 162

Type locality: Para

Distribution: Brazil

Amazonacarus setosus Vázquez, de Araújo et Feres

Amazonacarus setosus Vázquez, de Araújo & Feres, 2014: 155

Type locality: Pará, Alter do Chão

Distribution: Brazil

Genus ***Brasilacarus*** Vázquez, de Araújo et Feres

Brasilacarus Vázquez, de Araújo & Feres, 2015: 377

Type species: *Brasilacarus cocaris* Vázquez, de Araújo et Feres, 2015

Brasilacarus cocaris Vázquez, de Araújo et Feres

Brasilacarus cocaris Vázquez, de Araújo & Feres, 2015: 375

Type locality: Manaus, near Rio Negro and Taruma-Mirim stream

Distribution: Brazil

Caribeacarus ojasti (Lehtinen, 1980) – moved from *Neocarus o.* by Araújo et al. (2020)

Neocarus belizensis Vázquez, May, Alamilla et Klompen

Neocarus belizensis Vázquez, May, Alamilla & Klompen, 2018: 132

Type locality: Maya Mountains

Distribution: Belize

Neocarus caipora Bernardi, Klompen et Ferreira

Neocarus caipora Bernardi, Klompen & Ferreira, 2014: 47

Type locality: Canãa dos Carajas, Gruta Cav11-S11 (06°24'38.3"S 50°19'38.7"W)

Distribution: Brazil

Neocarus chactemalensis Vázquez et Klompen

Neocarus chactemalensis Vázquez & Klompen, 2015: 537

Type locality: Quintana Roo, Chetumal, campus Quintana Roo State University, 8 m

Distribution: Mexico

Neocarus comalensis Vázquez et Klompen

Neocarus comalensis Vázquez & Klompen, 2015: 538

Type locality: Guerrero, El Comal, elevation 1749 m

Distribution: Mexico

Neocarus coronatus Araújo, Bichuette, Bauchan, Ochoa et Feres

Neocarus coronatus: Araújo, Bichuette, Bauchan, Ochoa & Feres, 2018: 303

Type locality: São Desidério county, Bahia state

Distribution: Brazil

Neocarus entrerios Vázquez, Bernardi et Klompen*Neocarus entrerios* Vázquez, Bernardi & Klompen, 2020: 512

Type locality: Misiones, P.N. Iguazu, Area de la Garganta del Diablo, 185 m

Distribution: Argentina

Neocarus misiones Vázquez, Bernardi et Klompen*Neocarus misiones* Vázquez, Bernardi & Klompen, 2020: 508

Type locality: Misiones, Iguazu, Puerto Libertad, 173 m, 25.9189°S 54.5818°W

Distribution: Argentina

Neocarus simmonsii Bernardi, Zampaulo et Oliveira*Neocarus simmonsii* Bernardi, Zampaulo & Oliveira, 2020: 14Type locality: Minas Gerais State, São Gonçalo do Rio Abaixo city, Simmons' cave,
19°53'55"S, 43°28'22"W

Distribution: Brazil

Neocarus spelaion Vázquez, Bernardi et Klompen*Neocarus spelaion* Vázquez, Bernardi & Klompen, 2020: 3

Type locality: Minas Gerais State, Matozinhos, Cave 013, 19°31'57.21"S, 44°5'30.30"W

Distribution: Brazil

Opilioacarus baeticus Moraza Zorrilla, Prieto et Balanzateguic*Opilioacarus baeticus* Moraza Zorrilla, Prieto & Balanzateguic, 2021: 130

Type locality: Isleta del Moro: Barranco del Paraíso (Níjar, Almería)

Distribution: Spain

Opilioacarus brignolii Araújo et Di Palma*Opilioacarus brignolii* Araújo & Di Palma, 2018: 138

Type locality: Apulia, Bari, Monopoli

Distribution: Italy, incl. Sardinia

Opilioacarus groehni Dunlop et Bernardi (fossil)*Opilioacarus groehni* Dunlop & Bernardi, 2014: 760

Type locality: from the Cretaceous Burmese amber

Distribution: Burma

Opilioacarus thaleri Vázquez, Ávila et Jus*Opilioacarus thaleri* Vázquez, Ávila & Jus, 2021: 552

Type locality: Creta, Georgiopolis

Distribution: Greece (Creta)

Holothyrida

Fam. Neothyridae

Diplothyrus lehtineni Vázquez, Araújo et Feres

Diplothyrus lehtineni Vázquez, Araújo & Feres, 2016: 271

Type locality: Pará, São Geraldo do Araguaia, Serra das Andorinhas

Distribution: Brazil

Mesostigmata

Fam. Macronyssidae

Cryptonyssus flexus from *Pipistrellus nathusii* (Northern Caucasus, Orlova, Smirnov et al., 2020)

Macronyssus diversipilis from *Myotis tschuliensis* (Northern Caucasus, Orlova, Smirnov et al., 2020)

Macronyssus leislerianus from *Nyctalus leisleri* (Northern Caucasus, Orlova, Smirnov et al., 2020)

Ornithonyssus bacoti – dermatitis in Italy (Cafiero et al., 2015)

Ornithonyssus bursa from *Sturnus vulgaris* in Argentina (Lareschia et al., 2017)

Ornithonyssus sylviarum (Canestrini et Fanzago) – from *Columba livia domestica* in Egypt (Halawa et al., 2019)

Parichoronyssus alexanderfaini Morales-Malacara et Guerrero

Parichoronyssus alexanderfaini Morales-Malacara & Guerrero, 2020: 405

Type locality: Loc. near Bartica, Brit. Guiana, Forest Reserve 24 mi. along Potaro Rd.

Distribution: Guiana

Host: *Rhinophylla pumilio* (Chiroptera: Phyllostomatidae)

Parichoronyssus gettingeri Morales-Malacara et Guerrero

Parichoronyssus gettingeri Morales-Malacara & Guerrero, 2020: 410

Type locality:

Distribution:

Hosts: *Rhynchonycteris naso* (Chiroptera: Emballonuridae), *Noctilio leporinus* (Chiroptera: Noctilionidae)

Pellonyssus* [as *Steatonyssus*] *flabellifer (Gupta et Paul, 1985)(suppl.) - West Bengal: Midnapur Dist., Patharkumkumi, from *Ploceus philippinensis* (p.20)

Steatonyssus afer from Namibia on *Cistugo seabrae* (Orlova, Laverty et al., 2020)

Steatonyssus noctulus from *Miniopterus schreibersii* (Orlova, Stanyukovich & Orlov, 2015), *Nyctalus noctula* (Northern Caucasus, Orlova, Smirnov et al., 2020)

Steatonyssus longipes from *Passer domesticus niloticus*, *Columba livia nilotica* and *Streptopelia senegalensis aegyptiaca* in Egypt (Halawa et al., 2019. Note: the *Steatonyssus* are parasites of Mammals, mostly on bats, so these records on birds should be confirmed).

Steatonyssus olesovi Orlova, Stanyukovich et Orlov

Steatonyssus olesovi Orlova, Stanyukovich & Orlov, 2015: 97

Type locality: Russia

Distribution: Russia

Hosts: *Myotis dasycneme* (probably the main host), *M. blythii*, *M. daubentoni*, *M. brandtii*, *M. mystacinus*, and Ognev's long-eared bat.

Distribution of Opilioacarida, Holothyrida, and some Mesostigmata (suppl.)

Opilioacarida

EUROPE

Italy (Araújo, Di Palma & Feres, 2018) – *Opilioacarus brignolii*

Sardinia (Araújo, Di Palma & Feres, 2018) - *Opilioacarus brignolii*

Greece

Crete (Vázquez et al., 2021) – *Opilioacarus thaleri*

Spain (Moraza Zorrilla, Prieto & Balanzateguic, 2021) – *Opilioacarus baeticus*

NORTH AMERICA

Mexico (Vázquez & Klompen, 2015) - *Neocarus chactemalensis*, *N. comalensis*,

SOUTH and CENTRAL AMERICA

Argentina (Vázquez, Bernardi & Klompen, 2020) – *Neocarus entrerios*, *N. misiones*

Belize (Vázquez, May, Alamilla & Klompen, 2018) – *Neocarus belizensis*

Brazil (Araújo, Bichuette, Bauchan, Ochoa & Feres, 2018; Bernardi & Borges-Filho, 2018; Bernardi, Klompen & Ferreira, 2014; Vázquez, de Araújo & Feres, 2014, 2015; Ber-

nardi, Zampaulo & Oliveira, 2020) – *Amazonacarus paraensis*, *A. setosus*, *Brasilacarus cocaris*, *Neocarus caipora*, *N. coronatus*, *N. simmonsii*, *N. spelaion*

Holothyrida

SOUTH and CENTRAL AMERICA

Brazil (Bernardi, Azara & Ferreira, 2011; Vázquez, Araújo & Feres, 2016) – *Diplothyridus lehtineni*, *D. schubarti* According to Bernardi et al., 2011 (fide Lehtinen), *Holothyrida* are known also from the Philippines, Costa Rica and Panama.

Some Mesostigmata

EUROPE

Italy (Cafiero et al., 2015) - *Ornithonyssus bacoti*

Russia (Orlova, Smirnov et al., 2017; Orlova, Krilov et al., 2021) – *Cryptonyssus flexus*, *Macronyssus diversipilis*, *M. leislerianus*, *Steatonyssus noctulus*

Turkey (Ciloglu et al., 2020) – *Dermanyssus gallinae*

AFRICA

Egypt (Negm et al., 2018; Halawa et al., 2019) – *Ornithonyssus sylviarum*, *Steatonyssus longipes*, *Dermanyssus*

Namibia (Orlova, Laverty et al., 2020) - *Steatonyssus* (S.) *afer*

NORTH AMERICA

Mexico (Morales-Malacara & Guerrero, 2020) - *Parichoronyssus gettingeri*

SOUTH and CENTRAL AMERICA

Argentina (Lareschia et al., 2017) - *Ornithonyssus bursa*

Guiana (Morales-Malacara & Guerrero, 2020) - *Parichoronyssus alexanderfaini*

Peru (Morales-Malacara & Guerrero, 2020; Angoma et al., 2021) – acari on bats

Venezuela (Morales-Malacara & Guerrero, 2020) – *Parichoronyssus gettingeri*

Hosts

Aves

Columbiformes

Fam. Columbidae

Columba livia domestica - *Ornithonyssus bursa*, *O. sylviarum*, *Steatonyssus longipes*

Streptopelia senegalensis aegyptiaca - *Ornithonyssus bursa*, *Steatonyssus longipes*

Passeriformes

Fam. Ploceidae*Ploceus philippinus* – *Pellonyssus flabellifer***Fam. Passeridae***Passer domesticus niloticus* – *Ornithonyssus bursa*, *Steatonyssus longipes***Fam. Pycnonotidae***Pycnonotus barbatus* – *Ornithonyssus bacoti***Fam. Sturnidae***Sturnus vulgaris* – *Ornithonyssus bursa***Mammalia****Chiroptera****Fam. Cistugidae***Cistugo seabrae* – *Steatonyssus* (S.) *afer***Fam. Vespertilionidae***Myotis tschuliensis* – *Macronyssus diversipilis**Nyctalus leisleri* – *Macronyssus leislerianus**N. noctula* – *Steatonyssus noctulus**Pipistrellus nathusii* – *Cryptonyssus flexus*

Bibliography of Opilioacarida, Holothyrida, and some Mesostigmata

(suppl. 2014 - 2021)

Opilioacarida

- Araújo M. S., A. Di Palma, R. J. Fazzio Feres. 2018. A new species of *Opilioacarus* With, 1902 (Acari: Opilioacaridae) from Italy, and a new diagnosis of the genus. - *Zootaxa*, **4500**(1): 135 – 145.
- Araújo M.S., A. Di Palma, R.J.F. Feres. 2020. Catalog of the Opilioacarida (Acari: Parasitiformes). - *Zootaxa*, **4895**: 332–356.
- Araújo M.S.d., M.E. Bichuette, G.R. Bauchan, R. Ochoa, R.J.F. Feres. 2018. A new species of cave dwelling *Neocarus* (Acari: Opilioacaridae) from Bahia state, Brazil, with remarks on taxonomic characters. - *Zootaxa*, **4402**: 303–322. doi:10.11646/zootaxa.4402.2.4
- Bernardi L.F.d.O., E.L. Borges-Filho. 2018. *Neocarus spelaion* sp. n. (Parasitiformes, Opilioacaridae), a new species of cave dwelling *Neocarus* from Minas Gerais state, Brazil. - *Subterranean Biology*, **27**: 1–16. doi:10.3897/subtbiol.27.25777
- Bernardi L.F.d.O., H. Klompen, M.S. Zacarias, R.L. Ferreira. 2013. A new species of *Neocarus* Chamberlin & Mulaik, 1942 (Opilioacarida: Opilioacaridae) from Brazil, with remarks on postembryonic development. - *ZooKeys*, **358**: 69–89. doi:10.3897/zookeys.358.6384

- Bernardi L.F.d.O., H. Klompen, R.L. Ferreira. 2014. *Neocarus caipora*, a new mite species (Parasitiformes: Opilioacarida: Opilioacaridae) from Brazilian Amazon caves. – *Acarologia*, **54**(1): 47–56.
- Bernardi L.F.d.O., R.A. Zampaulo, M.P.A. Oliveira. 2020. A new species of *Neocarus* (Opilioacaridae) from a Brazilian ferruginous geosystem and notes on natural History. – *Subterranean Biology*, **36**: 11 – 13.
- Ciloglu A., A. Yildirim, Z. Onder, G. Yetismis, O. Duzlu, E. Simsek, A. Inci. 2020. Molecular characterization of poultry red mite, *Dermanyssus gallinae* lineages in Turkey and first report of *Plasmodium* species in the mite populations. – *International Journal of Acarology*, **46**(4): 241
- Dunlop J.A., L.F.O. Bernardi. 2014. An opilioacarid mite in Cretaceous Burmese amber. – *Naturwissenschaften*, **101**: 759–763. doi:10.1007/s00114-014-1212-0
- Halawa A.M., S.A.A. Osman, H.A.A. Ahmed. 2019. Diversity and infestation rate of mites associated with some birds in upper and lower Egypt. – *Annals of Agric. Sci., Moshtohor*, **57**(2): 517 – 524.
- Moraza Zorrilla M. L., C. E. Prieto, I. Balanzateguic. 2021. A new species of the genus *Opilioacarus* With, 1902 (Acari: Opilioacarida) for the Iberian Peninsula. – *Acarologia (Paris)*, **61**(1): 128 - 147.
- Vázquez M.M., M.S. de Araújo, R. J. F. Feres. 2014. A new genus and two new species of Opilioacaridae (Acari: Parasitiformes) from Amazonia, Brazil with a key to world genera. – *Zootaxa*, **3814**(2): 151-176.
- Vázquez M.M., M.S. de Araújo, R. J. F. Feres. 2015. *Brasilacarus cocaris* (Acari: Opilioacaridae), a new genus and species from Amazonia, Brazil. – *Zootaxa*, **3915**(3): 375-389.
- Vázquez M., L.F.O. Bernardi, H. Klompen. 2020. The family Opilioacaridae (Acari: Parasitiformes) in Argentina, with description of two new species. – *Acarologia*, **60**(3): 505-519.
- Vázquez M.M., H. Klompen. 2015. The family Opilioacaridae (Parasitiformes: Opilioacarida) in Mexico, description of two new species and notes on biology and geographical distribution. – *Zootaxa*, **3957**(5): 535-552.
- Vázquez M.M., D. May, E. Alamilla, H. Klompen. 2018. A new species of Opilioacaridae (Parasitiformes: Opilioacarida) from Belize with some observations on life history and behaviour. – *Systematic & Applied Acarology*, **23**(1): 132–144.
- Vázquez M.M., I. M. Á. Herrera, P. Just., A..C. R. Lerma, M. Chatzaki, T. L. Heller, J. Král. 2021. A new opilioacarid species (Parasitiformes: Opilioacarida) from Crete (Greece) with notes on its karyotype. – *Acarologia*, **61**(3): 548-563; DOI 10.24349/acarologia/20214449

Holothyrida

- Bernardi L.F.d.O.; L.N. d. Azara, R.L. Ferreira. 2011. Description of the female of *Diplothyrys schubarti* Lehtinen, 1999 (Holothyrida: Neothyridae) and new species occurrences in Brazil. – *Acarologia*, **51**(3): 311 – 319.
- Vázquez M.M., M.S. Araújo, R.J.F. Feres. 2016. A new species of *Diplothyrys* (Parasitiformes: Neothyridae) from Brazil. – *Acarologia*, **56**(3): 269–278.

Some Mesostigmata

- Angoma D. M., J. L. Mendoza, S. Jorge, L. M. Silva, J. Iannaccone. 2021. Ectoparasitic fauna on the common vampire bat *Desmodus rotundus* (Geoffroy, 1810) (Chiroptera: Phyllostomidae) from Huarochiri, Lima, and a checklist of ectoparasites in bats of Peru. – *Graellsia*, **77**(1): e135
- Cafiero M.A., D.A. Raele, G. Mancini, D. Galante. 2015. Dermatitis by Tropical Rat Mite, *Ornithonyssus bacoti* (Mesostigmata, Macronyssidae) in Italian city-dwellers: a diagnostic challenge. – *The Journal of the European Academy of Dermatology and Venereology*. <https://doi.org/10.1111/jdv.13162>
- Canto-Orsorio J.M., A. Cuxim-Koyoc, H. A. Ruiz-Piña, J. B. Morales-Malacara, E. Reyes-Novelo. 2020. Ectoparasites of *Didelphis virginiana* from Yucatan, Mexico. – *Journal of Medical Entomology*, **57**(6): 1821–1829.
- Gupta S.K., K. Paul. 1985. Some mites associated with birds' nests in West Bengal, with descriptions of eleven new species. – *Bull.Zool. Surv. of India*, **7**(1) 1–23.
- Halawa A.M., S. A. A. Osman, H. A. A. Ahmed. 2019. Diversity and infestation rate of mites associated with some birds in upper and lower Egypt. – *Annals of Agric. Sci., Moshtohor*, **57**(2): 517 – 524.
- Lareschia M., G.L. Cicuttini, M. N. De Salvoc, L. Ibañez, D. Montalti. 2017. The tropical fowl mite *Ornithonyssus bursa* (Acari: Mesostigmata: Macronyssidae) parasitizing the European starling *Sturnus vulgaris* (Aves: Passeriformes: Sturnidae), an invasive bird in central Argentina. An approach to the bacterial fauna of this mite. – *Revista mexicana de biodiversidad*, **88**(2): 455.
- Lima-Barbero J.F., M. S. Sánchez, A. Cabezas-Cruz, L. Mateos-Hernández, M. Contreras, I. G. Fernández de Mera, M. Villar, J. de la Fuente. 2019. Clinical gamasoidosis and antibody response in two patients infested with *Ornithonyssus bursa* (Acari: Gamasida: Macronyssidae). – *Experimental and Applied Acarology*, **78**: 555–564.
- McCulloch J.B., J. P. Owen, N.C. Hinkle, B.A. Mullens, J. W. Busch. 2020. Genetic Structure of Northern Fowl Mite (Mesostigmata: Macronyssidae) Populations Among Layer Chicken Flocks and Local House Sparrows (Passeriformes: Passeridae). – *Journal of Medical Entomology*, **57**(1): 122–130.
- Morales-Malacara J.B., R. Guerrero. 2020. Two New Species and New Records of Mites of the Genus *Parichoronyssus* (Acari: Macronyssidae) from South American Bats (Chiroptera), with a Key to the known species of the Genus. – *Journal of Medical Entomology*, **57**(2): 404–417. <https://doi.org/10.1093/jme/tjz196>
- Negm M.W., A.A. Mohamed, H.M.Kh. El-Gepaly, S.M. Abdelaziz. 2018. Mesostigmata mites (Acari, Parasitiformes) associated with birds and their nests from Egypt. – *Turkish Journal of Zoology*, **42**: 722 – 731.
- Nieri-Bastos F.A., B. L. Marcelo, A. Marcili, L. A. Durden, L. Mendoza-Uribe, D. M. Barros-Battesti. 2011. Morphological and molecular analysis of *Ornithonyssus* spp. (Acari:

- Macronyssidae) from small terrestrial mammals in Brazil. – Exp. Appl. Acarology, **55**(4): 305 – 327.
- Nordenfors H., J. Höglund. 2000. Long term dynamics of *Dermanyssus gallinae* in relation to mite control measures in aviary systems for layers. - Br. Poult. Sci., **41**: 533-540.
- Orlova M.V., P.B. Klimov, O.L. Orlov, D. G. Smirnov, A.V. Zhigalin, I.V. Budaeva, A.A. Emelyanova, N.V. Anisimov. 2021. A checklist of bat-associated macronyssid mites (Acari: Gamasina: Macronyssidae) of Russia, with new host and geographical records. – Zootaxa, **4974**(3): 537–564.
- Orlova M. V., Th.M. Laverty, W.K. Reeves, E.M. Gratton, M.L. Davies, N.V. Anisimov. 2020. New geographical and host record of bat ectoparasite *Steatonyssus* (*Steatonyssus*) *af*er Radovsky and Yunker, 1963 (Mesostigmata: Gamasina: Macronyssidae). – Acarologia, **60**(4): 951-958.
- Orlova M.V., D. G. Smirnov, N.V. Anisimov, O. L. Orlov, P. B. Klimov, V. P. Vekhnik, E. S. Murashko, A. M. Lukyanenko. 2020. Parasitic macronyssid mites (Mesostigmata: Macronyssidae) from bats of Northern Caucasus with key for females of the genus *Macronyssus* Kolenati, 1858 of Russia and adjacent countries. – International J. of Acarology, **46**(5): 364-372. DOI: 10.1080/01647954.2020.1801839
- Orlova M.V., M.K. Stanyukovich, O.L. Orlov. 2015. Gamasid mites (Mesostigmata: Gamasina) associated with bats (Chiroptera: Vespertilionidae, Rhinolophidae, Molossidae) of boreal Palaearctic zone (Russia and adjacent countries). Tomsk: Publishing House of Tomsk State University, 150 p.
- Salinas-Ramos V.B., J. B. Morales-Malacara. 2019. Seasons influence acarine infestation in bats from tropical dry forests of Western Mexico. - Mammalian Biology, **96**(1): 37-44.

Update 2015 – 2021 to Vol. IV

Beron P. 2015. Acarorum Catalogus. IV. Myobioidea, Pterygosomatoidea. Pensoft & Nat. Mus. Natur. Hist. Sofia: 251 pp.

Introduction

As a result of the recent contributions, the number of genera and species in Myobiidae and Pterygosomatoidea (some of them with uncertain status) is updated as follows:

Myobiidae – 55 genera, 511 species

Pterygosomatidae – 13 genera, 196 species

New contributions to the Catalogue:

Fam. Myobiidae

Acanthophthirius lasiurus (Fain & Whitaker, 1976) recorded in Mexico on the bat *Lasiurus cinereus* (Palisot de Beauvois) by Herrera-Mares et al. (2017).

Crocidurobia faini Bochkov, Mbalitini et Verheyen

Crocidurobia faini Bochkov, Mbalitini & Verheyen, 2016: 496

Type locality: DR Congo

Distribution: DR Congo

Hosts: *Crocidura denti*, *Crocidura* cf. *niobe*, *Crocidura* cf. *littoralis* (Soricomorpha: Soricidae)

Crocidurobia lukoschusi Bochkov

Crocidurobia lukoschusi Bochkov, 2017: 212

Type locality: Vietnam

Distribution: Vietnam

Host: *Crocidura tanakae* (Soricomorpha: Soricidae)

Eudusbabekia saguei - recorded in Mexico on *Pteronotus davyi* by Herrera-Mares et al. (2017).

Eudusbabekia provirilia Morales-Malacara, Guzmán-Cornejo & López-Ortega, 2002 recorded in Mexico on *Leptonycteris yerbabuenae* by Herrera-Mares et al. (2017).

Ioanella mimon (Fain, 1973) - on *Mimon cozumelae* (Herrera-Mares et al., 2017)

Ioanella leptonycteris (Fain, 1973) - on *Leptonycteris yerbabuenae* by Herrera-Mares et al. (2017)

Eudusbabekia mimon (Fain, 1973) - on *Mimon cozumelae* (Herrera-Mares et al., 2017)

Radfordia (Hesperomyobia) akodon Bochkov

Radfordia (Hesperomyobia) akodon Bochkov, 2017b

Type locality: Bolivia

Distribution: Bolivia

Host: *Akodon varius* (Rodentia: Cricetidae, Sigmodontinae)

Radfordia (Hesperomyobia) vandenberghi Fain and Lukoschus on *Oligoryzomys flavescens* (Waterhouse) and *Oligoryzomys* sp. (Rodentia: Cricetidae: Sigmodontinae) from Bolivia (Bochkov, 2017)

Radfordia (Microtimyobia) stekolnikovi Bochkov et Mironov, 1998, syn. of *R. lemnina* (Koch, 1841)

Radfordia (Microtimyobia) stenocrani Bochkov et Mironov, 1998, syn. of *R. lemnina* (Koch, 1841)

Radfordia (Radfordia) mirabilis Bochkov et Abramov

Radfordia (Radfordia) mirabilis Bochkov & Abramov, 2014: 142

Type locality: Binh Phuoc Province, Bu Gia Map National Park, 13 km NE Bu Gia Map Village, 540 m a.l.s., 12°11'37"N, 107°12'21"E

Distribution: Vietnam

Host: *Hapalomys delacouri* (Rodentia: Muridae)

†*Protohylomysobia erinaceophilus* Sidorchuk et Bochkov, 2018 (2019)

Fam. Pterygosomatidae

Genus ***Callopistiella*** Silva-de la Fuente, Casanueva et Moreno Salas

Callopistiella Silva-de la Fuente, Casanueva & Moreno Salas, 2015: 66

Type species: *Callopistiella atacamensis* Silva-de la Fuente, Casanueva et Moreno Salas, 2015

Callopistiella atacamensis Silva-de la Fuente, Casanueva et Moreno Salas

Callopistiella atacamensis Silva-de la Fuente, Casanueva & Moreno Salas, 2015: 67

Type locality: Caldera: Copiapó Province, Atacama Region, 26°56'S, 70°44'W

Distribution: Chile

Host: *Callopistes maculatus* (Sauria: Teiidae)

Geckobia africana Fajfer

Geckobia africana Fajfer, 2018: 2

Type locality: Iringa Region, Mufindi District, Uzungwa Scarp Forest Reserve

Distribution: Tanzania

Host: *Cnemaspis africana* (Sauria: Gekkonidae)

Geckobia andina Machado, Gazêta, Pérez, Cunha et Giupponi

Geckobia andina Machado et al., 2019: 335

Type locality: Cerro Verde, Andean highlands

Distribution: Peru

Host: *Phyllodactylus gerrhopygus* (Sauria: Gekkonidae)

Geckobia circumdata Machado, Gazêta, Pérez, Cunha et Giupponi

Geckobia circumdata Machado et al., 2019: 342

Type locality: Arequipa, Cerro Verde, 2345 m

Distribution: Peru

Host: *Phyllodactylus gerrhopygus* (Sauria: Gekkonidae)

Geckobia milii Fajfer

Geckobia milii Fajfer, 2019: 6

Type locality: Far North Queensland, Cape York Peninsula

Distribution: Australia (Queensland)

Host: *Underwoodisaurus milii* (Sauria: Carphodactylidae)

Fajfer (2019) revised the genus ***Pterygosoma*** and left as such only the species of Asia and Africa. ***Gerrhosauroidia*** Lawrence was raised in a new status of full genus, the three species in it became ***Gerrhosauroidia bicolor*** (Lawrence), ***G. gerrhosauri*** (Lawrence) and ***G. hystrix*** (Lawrence). A new genus ***Neopterygozoma*** Fajfer has been described for the parasites on the South American lizards of the genus *Liolaemus* (Liolaemidae). Fajfer (2020b) revised the entire genus *Pterygosoma*.

Geckobiella stamii (Jack) – on *Amblyomma dissimile* (Acari: Ixodidae) associated with *Iguana iguana* from Panama (Domínguez et al., 2020)

Genus ***Neopterygozoma*** Fajfer

Neopterygozoma Fajfer, 2019: 422

Type species: *Pterygosoma chilensis* Fajfer et González-Acuña, 2013

Neopterygosoma schroederi Fajfer

Neopterygosoma schroederi Fajfer, 2020: 544

Type locality: Maule region, Curicó Prov., Curicó

Distribution: Chile

The species *Pterygosoma chilensis*, *P. cyanopteri*, *P. formosus*, *P. levissima*, *P. ligare*, *P. ovata*, described by Fajfer & Gonzalez – Acuña in 2013, as well as *Pterygosoma patagonica* Ditmar de la Cruz, Morando et Avila, 2004, have been transferred by Fajfer (2020a) in the genus *Neopterygosoma*.

Pterygosoma aculeatum Lawrence, 1936 – restored as species from *P. agamae aculeatum* by Fajfer, 2020b: 93

Pterygosoma agamae Peters, 1849 – published again from Tanzania and Mozambique (Fajfer, 2020b: 99)

Pterygosoma expansum Bertrand, Finkelman et Paperna, 2000 is synonymised with ***Pterygosoma adramitana*** Jack, 1961 by Fajfer, 2020b

Pterygosoma angolae Jack, 1962 – raised as species from *P. melanum angolae* by Fajfer, 2020b: 51

Pterygosoma balochistani Fajfer

Pterygosoma balochistani Fajfer, 2016a: 348; 2020b: 26

Type locality: Balochistan, Darzi Chan

Distribution: Pakistan

Host: *Landakia nupta nupta* (Sauria: Agamidae)

Pterygosoma blanfordi Fajfer

Pterygosoma blanfordi Fajfer, 2016a: 344

Type locality: South India, Kerala State, Palakkad district, Parambikulam Tiger Reserve

Distribution: India

Host: *Psammophilus blanfordianus* (Sauria: Agamidae)

Pterygosoma capensis Jack, 1962 - raised as species from *P. melanum capensis* by Fajfer, 2020b: 55

Pterygosoma gladiator Bertrand, Finkelman et Paperna, 2000 is synonymised with ***P. neumanni*** (Berlese, 1910) by Fajfer, 2020b: 111

Pterygosoma livingstonei Bertrand et Modry, 2004 is synonymised with ***P. circularis*** Jack, 1962 by Fajfer, 2020b

Pterygosoma longipalpa Lawrence, 1936 - restaured as species from *Pterygosoma melanum longipalpa* by Fajfer, 2020b: 59

Pterygosoma orbicularis Jack, 1962 - raised as species from *P. spinosa orbicularis* by Fajfer, 2020b: 119

Pterygosoma pallidum Fajfer, Melnikov et Dabert

Pterygosoma pallidum Fajfer, Melnikov & Dabert, 2016: 792; Fajfer, 2020b: 11

Type locality: Aquaba Province, 11 km north-east of Ar- Risha

Distribution: Jordan

Host: *Trapelus pallidum* (Sauria: Agamidae)

Pterygosoma parasiniatum Fajfer, Melnikov et Dabert

Pterygosoma parasiniatum Fajfer, Melnikov & Dabert, 2016: 801

Type locality: NE of Ar-Risha

Distribution: Jordan

Host: *Pseudotrapelus* cf. *sinaiticus* (Sauria: Agamidae)

Pterygosoma problematica Jack, 1962 - raised as species from *P. fimbriata problematica* by Fajfer, 2020a: 83

Pterygosoma pseudorbicularis Jack, 1962 - raised as species from *P. bibronii pseudorbicularis* by Fajfer, 2020b: 121

Pterygosoma rhipidostichata Bertrand, Finkelman and Paperna, 2000 is synonymised with ***P. mutabilis*** Jack, 1961 by Fajfer, 2020b

Pterygosoma theobaldi Fajfer, Melnikov et Dabert

Pterygosoma theobaldi Fajfer, Melnikov & Dabert, 2016: 806

Type locality: North India

Distribution: India

Host: *Phrynocephalus teobaldi* (Sauria: Agamidae)

Pimeliaphylus hemidactyli Fajfer et Karanth

Pimeliaphylus hemidactyli Fajfer & Karanth, 2021: 442

Type locality: Karnataka State, Bangalore, IISc campus

Distribution: India

Hosts: *Hemidactylus murrayi*, *H. leschenaultia*, *H. parvimaculatus* (Squamata: Gekkonidae)

Zonurobia circularis limpopoensis was proposed by OConnor (2020) as a replacement name for *Zonurobia circularis transvaalensis* Lawrence, not *Zonurobia transvaalensis* Lawrence.

New hosts and distribution records are given for *Pterygosoma neumanni* (Berlese, 1910), *P. bibronii* Jack, 1962, *P. longipalpa* Lawrence, 1936, *P. gracilipalpis* and *P. sinaita* Jack, 1961.

Distribution of Myobioidea and Pterygosomatoidea

(suppl. 2015 - 2021)

Myobioidea

ASIA

Vietnam (Bochkov, 2017) – *Crocidurobia lukoschusi*

NORTH AMERICA

Mexico (Herrera-Mares et al., 2017; Herrera-Mares, Guzmán-Cornejo & Morales-Malacara, 2021) - *Acanthopthirius lasiurus*, *Ioanella mimon*, *Eudusbabekia jimenezi*, *E. mimon*, *E. saguei*

SOUTH and CENTRAL AMERICA

Bolivia (Bochkov, 2017) - *Radfordia (Hesperomyobia) akodon*, *R. (H.) vandenberghi*

Pterygosomatoidea

AFRICA

Tanzania (Fajfer, 2018) – *Geckobia africana*

South Africa (OConnor, 2020) - *Zonurobia circularis limpopensis*

ASIA

India (Fajfer, 2016a) - *Pterygosoma blanfordi*, *P. theobaldi*

Jordan (Fajfer, 2016b) - *Pterygosoma pallidum*, *P. parasiniatum*

Pakistan (Fajfer, 2016a) - *Pterygosoma balochistani*

SOUTH and CENTRAL AMERICA

Argentina (Ditmar de la Cruz, Morando & Avila, 2004, Fajfer, 2020) – *Neopterygosoma patagonica*

Chile (Fajfer, 2019, 2020) – *Neopterygosoma spp.* (formerly in *Pterygosoma*), *Neopterygosoma schroederi*, *Callopistiella atacamensis*

Cuba (Borroto Paez et al., 2020) – *Geckobia hemidactyli*

Panama (Domínguez et al., 2020) - *Geckobiella stamii*

Peru (Machado et al., 2019) – *Geckobia andina*, *G. circumdata*

OCEANIA

Australia (Fajfer, 2018) – *Geckobia milii*

Hosts

Myobioidea

Soricomorpha

Fam. Soricidae

Crocidura denti - *Crocidurobia faini*

Crocidura cf. niobe - *Crocidurobia faini*

Crocidura cf. littoralis - *Crocidurobia faini*
Crocidura tanakae - *Crocidurobia lukoschusi*

Chiroptera

Fam. Phyllostomatidae

Mimon cozumelae - *Eudusbabekia mimon*, *Ioanella mimon*

Rodentia

Fam. Cricetidae

Akodon varius - *Radfordia (Hesperomyobia) akodon*
Oligoryzomys flavescens - *Radfordia (Hesperomyobia) vandenberghi*

Fam. Muridae

Hapalomys delacouri - *Radfordia (Radfordia) mirabilis*

Pterygosomatoidea

Reptilia

Sauria

Fam. Agamidae

Landakia nupta nupta - *Pterygosoma balochistani*
Phrynocephalus teobaldi - *Pterygosoma theobaldi*
Psammophilus blanfordianus - *Pterygosoma theobaldi*
Pseudotrapelus cf. sinaiticus - *Pterygosoma parasiniatum*
Trapelus pallidum - *Pterygosoma pallidum*

Fam. Carphodactylidae

Underwoodisaurus milii - *Geckobia milii*

Fam. Gekkonidae

Cnemaspis africana - *Geckobia africana*
Hemidactylus mabouia - *Geckobia hemidactyli*
H. murrayi - *Pimeliaphilus hemidactyli*
H. parvimaculatus - *Pimeliaphilus hemidactyli*
H. leschenaultia - *Pimeliaphilus hemidactyli*
Phyllodactylus gerrhopygus - *Geckobia andina*, *G. circumdata*

Fam. Teiidae

Callopistes maculatus - *Callopistiella atacamensis*

Publications on Myobioidea and Pterygosomatoidea

(suppl. 2015 - 2021)

Myobioidea

Bochkov A.V. 2015. Comparison of external morphology of tritonymphs in myobiid mites (Myobiidae) associated with marsupials (Marsupialia). - International Journal of Acarology, **41**: 590–599. DOI: 10.1080/01647954.2015.1084046

- Bochkov A.V. 2017. To the systematics of the subgenus *Hesperomyobia* Bochkov, 1997 (Acariformes: Myobiidae: *Radfordia*). - Systematic and Applied Acarology, **22**(6): 785 – 788.
- Bochkov A.V., A.V. Abramov. 2014. Acariform mites (Acariformes)–permanent symbionts of *Hapalomys delacouri* Thomas (Rodentia, Muridae) in Vietnam. - ZooKeys, **459**: 137–145.
- Bochkov A.V., S.G. Mbalitini, E. Verheyen. 2016. *Crocidurobia faini* sp. n. (Acariformes: Myobiidae) - a new mite species parasitizing shrews of the genus *Crocidura* (Soricimorpha: Soricidae) in DR Congo. - Systematic Parasitology, **93**: 493–499. DOI: 10.1007/s11230-016-9623-2
- Bochkov A.V., A.A. Mirolubov. 2015. Description of postembryonic immature stages of *Protomyobia onoi* Jameson & Dusbábek, 1971 (Acariformes: Myobiidae) and comparative analysis of the juvenile external morphology in the tribe *Protomyobiini*. - International Journal of Acarology, **41**: 115–127. DOI: 10.1080/01647954.2014.1003966
- Bochkov A.V. 2017a. *Crocidurobia lukoschusi* sp.nov. (Acariformes: Myobiidae) parasitizing *Crocidura tanakae* Kuroda, 1938 (Soricimorpha: Soricidae) in Vietnam, the first record of the genus from oriental white-toothed shrews. - International Journal of Acarology, **43**: 212–216. DOI: 10.1080/01647954.2016.1268204213.
- Bochkov A.V. 2017b. To the systematics of the subgenus *Hesperomyobia* Bochkov, 1997 (Acariformes: Myobiidae: *Radfordia*). - Systematic and Applied Acarology, **22** (6): 785–788. DOI: 10.11158/saa.22.6.4.
- Herrera-Mares A., C. Guzmán-Cornejo, L. León-Paniagua, G. Rivas. 2017. Myobiid mites (Trombidiformes, Myobiidae) of the golden bat *Mimon cozumelae* from Mexico. Description of the male and tritonymph of *Ioanella mimon* and new records of *Eudusbabekia mimon*. - ZooKeys, **658**: 1 – 8.
- Herrera-Mares A., C. Guzmán-Cornejo, J.-B. Morales - Malacara. 2021. The myobiid mites (Acariformes, Eleutherengona, Myobiidae) from Mexico: hosts, distribution and identification key for the genera and species. - Systematic and Applied Acarology, **26**(4): 724 – 748.
- Sidorchuk E. A., A.V. Bochkov, T. Weiterschan, O.F. Chernova. 2019. A case of mite-on-mammal ectoparasitism from Eocene Baltic amber (Acari: Prostigmata: Myobiidae and Mammalia: Erinaceomorpha). - Journal of Systematic Paleontology, **17**(4): 331–347. DOI: 10.1080/14772019.2017.1414889

Pterygosomatoidea

- Borroto-Páez R., C. C. Martínez-Rivera, D. R. Pérez. 2020. Mites (*Geckobia hemidactyli*, Actiniedida: Pterygosomatidae) in Tropical House Geckos (*Hemidactylus mabouia*) in Cuba: A Review with New Distribution Records. - Reptiles & Amphibians, **27**(3): 382–389.
- Díaz J.A., R. A. Torres, L. Paternina, D. Santana, R. Miranda. 2020. Traveling with an invader: ectoparasitic mites of *Hemidactylus frenatus* (Squamata: Gekkonidae) in Colombia. - Cuadernos de Herpetología, **34**
- Dittmar de la Cruz K., M. Morando, L. Avila. 2004. Description of a New pterygosomatid mite (Acari, Actiniedida: Pterygosomatidae) parasitic on *Liolaemus* spp. (Iguania: Liolaemini) from Argentina. - Zootaxa, **521**: 1–6.

- Domínguez L. G., J.J. Lezcano, I. Rodríguez, R.J. Miranda, J. Roberto, S. C. Bermúdez, C. Sergio. 2020. Is *Geckobiella stamii* (Acari: Pterygosomatidae) a hyperparasite or phoretic on *Amblyomma dissimile* (Acari: Ixodidae) associated with *Iguana iguana* from Panama? – *Acarologia*, **60**(1): 40 – 44.
- Fajfer M. 2016a. Two new species of the genus *Pterygosoma* (Acariformes: Pterygosomatidae) parasitizing agamid lizards (Sauria: Agamidae) from the Indian subcontinent. – *Acta Parasitologica*, **61**(2): 343–354.
- Fajfer M. 2018. New species and records of scale mites (Acariformes: Pterygosomatidae) from geckos (Squamata: Gekkonidae and Carphodactylidae). – *BioMed Research International*, 2018.
- Fajfer M. 2019. Systematics of reptile-associated scale mites of the genus *Pterygosoma* (Acariformes: Pterygosomatidae) derived from external morphology. – *Zootaxa* **4603**: 401 – 440.
- Fajfer M. 2020a. A systematic revision of the genus *Neopterygosoma* Fajfer, 2019 (Acariformes: Pterygosomatidae) with the description of a new species. – *Systematic Parasitology*, **97**: 535 – 551.
- Fajfer M. 2020b. A systematic revision of the scale mite genus *Pterygosoma* Peters, 1849 (Acariformes: Pterygosomatidae). – *Zootaxa*, **4805**(1): 1 – 147.
- Fajfer M., P. Karanth. 2021. Integrating a morphological description with DNA barcode data of a new species of the genus *Pimeliaphilus* (Acariformes: Pterygosomatidae) with an analysis of its host specificity and a key to the genus. – *Systematic & Applied Acarology*, **26**(2): 438 – 454.
- Fajfer M., D. Melnikov, M. Dabert. 2016b. Three new species of the genus *Pterygosoma* Peters, 1849 (Acariformes: Pterygosomatidae) from agamid lizards (Sauria: Agaminae) with DNA barcode data. – *Systematic Parasitology*, **93**(8): 791 – 814.
- Machado I.B., G. S. Gazêta, J. Pérez, R. Cunha, A. P. de I. Giupponi. 2019. Two new species of the genus *Geckobia* Mégnin, 1878 (Acariformes, Prostigmata, Pterygosomatidae) from Peru. – *Zootaxa*, **4657**(2): 333 – 351.
- OConnor B.M. 2020. Correction of a case of homonymy in the genus *Zonurobia* (Acari: Pterygosomatidae). – *Acarologia (Paris)*, **60**(3): 557 – 558.
- Paredes-León R. 2013. Sistemática de la familia Pterygosomatidae (Acari: Prostigmata). Tesis de Doctorado. Universidad Nacional Autónoma de México, Mexico City, 127 pp.
- Sidorchuk E.A., A. A. Khaustov. 2018. A parasite without host: The first fossil pterygosomatid mite (Acari: Prostigmata: Pterygosomatidae) from French Lower Cretaceous amber. – *Cretaceous Research*, **91**: 131–139.
- Silva-de la Fuente M.C., R. Paredes-León, M. E. Casanueva, G. Escobar-Huerta, L. Moreno Salas. 2015. A new genus and species of pterygosomatid mite (Acari: Pterygosomatidae) parasitizing *Callopiastes maculatus* (Squamata: Teiidae) from Chile. – *Zootaxa*, **3972**(1): 65 – 74.

Update 2015 - 2021 to Vol. V

Beron P. 2015. *Acarorum Catalogus. V. Sarcoptoidea*. Pensoft & Nat. Mus. Natur. Hist. Sofia: 380 pp.

Introduction

As a result of the recent contributions, the number of genera and species in **Sarcoptoidea** (some of them uncertain status) is updated as follows:

Lemurnyssidae – 2 genera, 4 species

Lobalgidae – 2 genera, 9 species

Psoroptidae – 31 genera, 58 species

Listropsoralgidae – 4 genera, 19 species

Bochkovocoptidae – 1 genus, 1 species

Rhyncoptidae – 5 genera, 13 species

Sarcoptidae – 17 genera, 117 species

Pneumocoptidae – 1 genus, 4 species

Gastronyssidae – 9 genera, 42 species

Chirorhynchobiidae – 1 genus, 3 species

Pyroglyphidae – 22 genera, 51 species

Dermationidae – 12 genera, 54 species

Epidermoptidae – 16 genera, 51 species

Gaudoglyphidae – 1 genus, 1 species

Ptyssalgidae – 1 genus, 1 species

Turbinoptidae – 9 genera, 36 species

Cytoditidae – 2 genera, 14 species

Laminosioptidae – 6 genera, 27 species

Guanolichidae – 3 genera, 4 species

New (or ommited) contributions to the Catalogue:

Fam. Lobalgidae

Echimytricalges brasiliensis Fain, 1970 is described actually not from *Echimyris brasiliensis*, but (according to Bochkov & OConnor, 2010) from *Phyllomys pattoni*. This species was recorded also from *Trinomys albosignatus* and *T. iheringi* (Brazil, Bochkov & OConnor, 2010).

Echimytricalges guianensis Fain, 1970 - on *Proechimys simonsi* from Peru (Bochkov & OConnor, 2010).

Echimytricalges hoplomys Fain, 1970 – recorded also on *Proechimys semispinosus* and *Hoplomys gymnurus* from Ecuador and Costa Rica (Bochkov & OConnor, 2010).

Echimytricalges lonchothrix Bochkov et OConnor
Echimytricalges lonchothrix Bochkov & OConnor, 2010: 218
 Type locality: Para, Rio Tapajoz, Boim, 03°05'S, 55°18'W
 Distribution: Brazil
 Host: *Lonchothrix emiliae* (Rodentia: Echimyidae)

Echimytricalges mesomys Fain, Lukoschus et Mendez, 1982 - on *Mesomys hispidus* from Brazil (Bochkov & OConnor, 2010).

Echimytricalges proechimys Bochkov et OConnor
Echimytricalges proechimys Bochkov & OConnor, 2010: 214
 Type locality: Oriente, Rio Jatun Yacu
 Distribution: Ecuador
 Host: *Proechimys brevicauda* (Rodentia: Echimyidae)

Echimytricalges surinamensis Fain and Lukoschus, 1970 – also on *Proechimys oconneli* from Colombia (Bochkov & OConnor, 2010).

Echimytricalges whitakeri Fain et Ritzi
Echimytricalges whitakeri Fain & Ritzi, 2001 – validated by Bochkov & OConnor, 2010: 221 from nomen nudum

Fam. Psoroptidae

Caparinia ictonyctis Lawrence
Caparinia ictonyctis Lawrence, 1955: 54
 Type locality: South Africa
 Distribution: South Africa
 Host: *Atelerix albiventris* (Erinaceomorpha: Erinaceidae)

Gaudalges averianovi Bochkov
Gaudalges averianovi Bochkov, 2018: 593
 Type locality: Madagascar
 Distribution: Madagascar
 Host: *Lepidolemur ruficaudatus* (Primates: Lepilemuridae)

Lemuralges propithecus Bochkov, Klompen, Junge et Williams*Lemuralges propithecus* Bochkov, Klompen, Junge & Williams, 2015: 2

Type locality: Madagascar

Distribution: Madagascar

Host: *Propithecus diadema* (Primates: Indridae)

Genus ***Coendalges*** Fain et Méndes, 1979 was transferred from Lobalgidae (Coendalginae) to Psoroptidae (Psoralginae) by Bochkov & OConnor, 2010. The family Lobalgidae has been left with two genera (*Echimytricalges* and *Lobalges*).

Genus ***Psoroptes*** Gervais, 1844. According to Rinder et al. (2000), "...*P. cervinus* Ward, 1915, *P. cuniculi* (Delafond, 1859), *P. natalensis* Hirst, 1919 and *P. ovis* (Hering, 1838) are seen as synonyms of *P. equi* (Hering, 1838)".

Fam. Listrosporalgidae

Didelphialges metachirus Bochkov et Valim*Didelphialges metachirus* Bochkov & Valim, 2013: 67

Type locality: Peru

Distribution: Peru

Host: *Metachirus nudicaudatus* (Didelphimorphia: Didelphidae)***Listropsoralges brevisetosus*** Bochkov et Valim*Listropsoralges brevisetosus* Bochkov & Valim, 2013: 39

Type species: Peru

Distribution: Peru

Host: *Marmosa murina* (Didelphimorphia: Didelphidae)***Listropsoralges similis*** Bochkov et Valim*Listropsoralges similis* Bochkov & Valim, 2013: 19

Type locality: Panama

Distribution: Panama

Host: *Caluromys derbianus* (Didelphimorphia: Didelphidae)***Listropsoralges thylamys*** Bochkov et Valim*Listropsoralges thylamys* Bochkov & Valim, 2013: 24

Type locality: Bolivia

Distribution: Bolivia

Host: *Thylamys venustus* (Didelphimorphia: Didelphidae)***Listropsoralges vossi*** Bochkov et Valim*Listropsoralges vossi* Bochkov & Valim, 2013: 35

Type locality: Brazil

Distribution: Brazil

Host: *Monodelphis domestica* (Didelphimorphia: Didelphidae)

***Listropsoralges caenolestes* Bochkov et Valim**

Listropsoralges caenolestes Bochkov & Valim, 2013: 26

Type locality: Ecuador

Distribution: Ecuador

Host: *Caenolestes fuliginosus* (Paucituberculata: Caenolestidae)

The female of *Listropsoralges faini* Bochkov et Wauthy, 2009 is described in the revision of Bochkov & Valim (2016) for the first time.

Fam. Bochkovocoptidae

Bochkovocoptidae OConnor, 2019: 146

Type genus: *Bochkovocoptes* OConnor, 2019

Genus ***Bochkovocoptes*** OConnor

Bochkovocoptes OConnor, 2019: 146

Type species: *Bochkovocoptes otomys* OConnor, 2019

Bochkovocoptes otomys OConnor

Bochkovocoptes otomys OConnor, 2019: 146

Type locality: Kigezi Province, Kisoro District, Mgahinga Gorilla Nat. Park

Distribution: Uganda

Host: *Otomys denti kempfi* (Rodentia: Muridae)

Fam. Pyroglyphidae

Genus ***Tachornithoglyphus*** Klimov, Bochkov et OConnor

Tachornithoglyphus Klimov, Bochkov & OConnor, 2015: 97

Type species: *Guatemalichus tachornis* Cruz, Cuervo et Dusbábek, 1984

Tachornithoglyphus tachornis (Cruz, Cuervo et Dusbábek, 1984)

Guatemalichus tachornis Cruz, Cuervo & Dusbábek, 1984: 1; Cruz 1988: 14; Fain 1988: 22

Tachornithoglyphus tachornis (Cruz, Cuervo et Dusbábek, 1984): Klimov, Bochkov & OConnor, 2015: 97

Type locality: Ciudad de La Habana, Playa El Salado, Bauta

Distribution: Cuba

Host: nest of *Tachornis phoenicobia* (Apodiformes: Apodidae)

Fam. Dermationidae

Genus ***Carcinopodacarus*** Hernandes, Pedroso et Bochkov

Carcinopodacarus Hernandes, Pedroso & Bochkov, 2015: 2

Type species: *Carcinopodacarus polymorphus* Hernandes, Pedroso et Bochkov, 2015

Carcinopodacarus polymorphus Hernandes, Pedroso et Bochkov

Carcinopodacarus polymorphus Hernandes, Pedroso & Bochkov, 2015: 3

Type locality: Campinas

Distribution: Brazil

Host: *Guira guira* (Cuculiformes: Cuculidae)

Neodermation actitis Bochkov et Mironov

Neodermation actitis Bochkov & Mironov, 2015: 612; Matyukhin & Yatsuk, 2022

Type locality: the Far East of Russia

Distribution: Russia

Host: *Actitis hypoleucos* (Charadriiformes: Scolopacidae)

Fam. Epidermoptidae

Metamicrolichus pici (Fain) – new for Egypt (Halawa et al., 2019, sub “*Myialges pici*”)

Promyalges falconis (Fain) – new for Egypt (Halawa et al., 2019, sub “*Myialbes falconis*”)

Promyalges italicus Moradi Faradonbeh, Ostovan, OConnor, Gheibi, Joharchi et Macchioni

Promyalges italicus Moradi Faradonbeh, Ostovan, OConnor, Gheibi, Joharchi & Macchioni, 2019: 36

Type locality: Tuscany, Pisa, 43° 42' N, 10° 24' E

Distribution: Italy

Host: *Pseudolynchia canariensis* (Diptera: Hippoboscidae) from *Columba livia*

Distribution of Sarcoptoidea

(suppl. 2016 - 2021)

EUROPE

Italy (Moradi Faradonbeh et al., 2019) - *Promyialges italicus*

Russia (Bochkov & Mironov, 2015) – *Dermation actitis* (the Far East)

AFRICA

Egypt (Nageiba et al., 2001; Halawa et al., 2019) – *Metamicrolichus pici*, *Promyialges falconis*

Madagascar (Bochkov, 2018) - *Gaudalges averianovi*

ASIA

India (Modak et al., 2004; Podder, Biswas & Kumar Saha, 2021) – Pyroglyphidae

NORTH AMERICA

Mexico (Rodríguez-Ortega et al., 2018) - *Knemidocoptes mutans*

SOUTH and CENTRAL AMERICA

Bolivia (Bochkov & Valim, 2013) - *Listropsoralges thylamys*

Brazil (Bochkov & OConnor, 2010; Bochkov & Valim, 2013; Hernandez, Pedroso & Bochkov, 2015) – *Carcinopodacarus polymorphus*, *Echimytricalges lonchothrix*, *E. mesomys*, *Listropsoralges vossi*

Colombia (Bochkov & OConnor, 2010) – *Echimytricalges surinamensis*

Costa Rica (Bochkov & OConnor, 2010) – *Echimytricalges hoplomys*

Cuba (Cruz, Cuervo & Dusbabek, 1984) - *Tachornithoglyphus tachornis*

Ecuador (Bochkov & OConnor, 2010; Bochkov & Valim, 2013) - *Echimytricalges hoplomys*, *E. proechimys*, *Listropsoralges caenolestes*

Panama (Bochkov & Valim, 2013) - *Listropsoralges similis*

Peru (Bochkov & OConnor, 2010; Bochkov & Valim, 2013) – *Echimytricalges guianensis*, *Listropsoralges brevisetosus*

Hosts

AVES

Charadriiformes

Fam. Scolopacidae

Neodermaton actitis - *Actitis hypoleucos*

Cuculiformes

Fam. Cuculidae

Guira guira - *Carcinopodacarus polymorphus*

Passeriformes

Fam. Passeridae

Passer domesticus niloticus – *Promyalges falconis*, *Metamicrolichus pici*

MAMMALIA

Didelphimorphia

Fam. Didelphidae

Caluromys derbianus - *Listropsoralges similis*

Marmosa murina - *Listropsoralges brevisetosus*

Metachirus nudicaudatus - *Didelphialges metachirus*

Monodelphis domestica - *Listropsoralges vossi*

Thylamys venustus - *Listropsoralges thylamys*

Erinaceomorpha

Fam. Erinaceidae

Aterix albiventris - *Caparinia ictonyctis*

Rodentia

Fam. Echimyidae

Hoplomys gymnurus – *Echimytricalges hoplomys*

Lonchothrix emiliae – *Echimytricalges lonchothrix*

Mesomys hispidus – *Echimytricalges mesomys*

Proechimys brevicauda – *Echimytricalges proechimys*

P. oconneli – *Echimytricalges surinamensis*

P. semispinosus - *Echimytricalges hoplomys*

P. simonsi – *Echimytricalges guianensis*

Trinomys albispinus – *Echimytricalges brasiliensis*

T. iheringi - *Echimytricalges brasiliensis*

Fam. Muridae

Otomys denti kemp - *Bochkovocoptes otomys*

Primates

Fam. Indriidae

Propithecus diadema - *Lemuralges propithecus*

Fam. Lepilemuridae

Lepidolemur ruficaudatus - *Gaudalges averianovi*

Publications on Sarcoptoidea

(suppl. 2015 - 2021)

- Aykut M., Ö.K. Erman, S. Doğan. 2016. Variability in population density of house dust mites of Bitlis and Mus, Turkey. - *Journal of Medical Entomology*, **53**(3): 513–518. doi: 10.1093/jme/tjw009
- Bochkov A.V. 2018. *Gaudalgas averianovi* sp.nov. (Acariformes: Psoroptidae) – a new parasite of Malagasy lemurs. - *Systematic and Applied Acarology*, **23**(4): 593–596. DOI <http://doi.org/10.11158/saa.23.4.1>
- Bochkov A. V., P.B. Klimov, Da-Hee, K., M. Skoracki. 2018. Validation of the status of a species with high CO1 and low nuclear genetic divergences: the scab mite *Caparinia ictonyctis* stat. res. (Acariformes: Psoroptidae) parasitizing the African hedgehog *Atelerix albiventris*. - *Zootaxa*, **4544**(4): 523–547. DOI: 10.11646/zootaxa.4544.4.4
- Bochkov A.V., H. Klompen, R.E. Junge, C.V. Williams. 2015. *Lemuralgas propithecus* sp. n. (Acariformes: Psoroptidae), an ectoparasite of the diademed sifaka *Propithecus diadema* (Primates: Indriidae). - *Folia Parasitologica*, **62**: 11. DOI: 10.14411/fp.2015.011
- Bochkov A.V., S.V. Mironov. 2015. A new species of the genus *Neodermation* Fain (Acariformes: Dermationidae) and the first record of the precopulatory mate-guarding among dermationids. - *Systematic and Applied Acarology*, **20**: 612–628. DOI: 10.11158/saa.20.6.4.
- Bochkov A.V., B.M. OConnor. 2010. External morphology and systematics of the family Lobalgidae (Acari: Astigmata) with resolution of the question of family monophyly. - *Insect Systematics & Evolution*, **41**(3): 187 – 229.
- Bochkov A.V., B.M. OConnor, P. Grootaert. 2013. Revision of the family Listropsoralgidae Fain, 1965 (Acariformes: Sarcoptoidea) - skin parasites of marsupials and rodents. – *Zootaxa*, **3611**: 1 – 69.
- Bochkov A.V., M.P. Valim. 2016. New species and records of mites of the superfamily Sarcoptoidea (Acariformes: Psoroptidia) from mammals in Brazil. - *Acta Parasitologica*, **61**: 22 – 44.
- Brooks A.J., R. Wall. 2001. Infection of Psoroptes Mites with the Fungus *Metarhizium Anisopliae*. - *Experimental and Applied Acarology*, **25**: 869–880.
- Halawa A.M., S.A.A. Osman, H.A.A. Ahmed. 2019. Diversity and infestation rate of mites associated with some birds in upper and lower Egypt. – *Annals of Agric. Sci., Moshtohor*, **57**(2): 517 – 524.
- Hernandes F.A., L.G.A. Pedroso, A.V. Bochkov. 2015. *Carcinopodacarus polymorphus* gen. n. et sp. n. from *Guira guira* (Cuculiformes: Cuculidae) in Brazil: a first example of male polymorphism in the family Dermationidae (Acariformes: Analgoidea). - *Folia Parasitologica*, **62**: 9. DOI: 10.14411/fp.2015.009.
- Klimov P.B., A.V. Bochkov, B.M. OConnor. 2015a. Phylogenetic position of the house dust mite subfamily Guatemalichinae (Acariformes: Pyroglyphidae) based on integrated

- molecular and morphological analyses and different measures of support. - *Cladistics*, **32**(3): 261–275. DOI: 10.1111/cla.12126
- Klimov P.B., A.V.Bochkov, B.M. OConnor. 2015b. *Tachornithoglyphus* gen. nov.–a new genus of nidicolous Pyroglyphidae (Acariformes: Astigmata). *Zootaxa*, **3956**: 97–112. DOI: 10.11646/zootaxa.3956.1.5
- Ludman S. 2016. House dust mite allergy. – Neodoctor. Modak A., G. K. Saha, N. Tandon, S. K. Gupta. 2004. Faunal diversity and habitat preference of house dust mites in West Bengal in relation to nasobronchial allergic disorders. - *Rec. zoo!.* *Surv. India*, **102**(1-2): 137–146.
- Matyukhin A.V., A.A. Yatsuk. 2022. The first record of *Promyialges italicus* Faradonbeh et al. 2019 (Acariformes: Epidermoptidae) in European Russia. – *Acarologia*, **62**(1): 94 – 98.
- Moradi Faradonbeh M., H. Ostovan, B. M. OConnor, M. Gheibi, O. Joharchi, F. Macchioni. 2019. *Promyialges italicus* sp. nov. (Astigmata: Epidermoptidae) with redescriptions of mites of the families Epidermoptidae and Cheyletidae (Prostigmata) associated with *Pseudolynchia canariensis* (Diptera: Hippoboscidae) from Iran and Italy. – *Persian Journal of Acarology*, **8**(1): 27 – 46.
- Nageiba I.S., S.T. Nagi, H.I. Mohamed, S.O. Eman. 2001. Mites associated with some birds in El-Minia governorate, Upper Egypt. – *Egyptian Journal of Biology*, **3**: 124 – 135.
- OConnor B.M. 2019. Bochkovocoptidae, an unusual new family of psoroptidian mites (Acari: Astigmata) associated with *Otomys denti* (Rodentia: Muridae) from Uganda. - *Acarina*, **27**(2): 145 – 150.
- Podder S., H. Biswas, G. Kumar Saha. 2021. A faunistic survey of house dust mites of Kolkata, West Bengal, India. - *Acarological Studies*, **3**(1): 22 – 31.
- Reese N.E., W. M. Boyce, I. A Gardner, D. M. Nelson. 1996. Fixation Affects Morphometric Characters of *Psoroptes cuniculi* Mites (Acari: Psoroptidae). – *Journal of Medical Entomology*, **33**(5): 835–838.
- Rettenmund C.L., R.J. Ossiboff, D. McAloose, W. Knee, S.E. Wade, J.A. Paré. 2015. *Microlichus americanus* acariasis in saffron finches (*Sicalis flaveola*) with dermatitis and feather loss. - *Journal of Veterinary Diagnostic Investigation*, **27**(3): 382–386.
- Rinder M. et al. 2000. Species of the genus *Psoroptes* (Acari: Psoroptidae): A taxonomic consideration. - *Experimental and Applied Acarology*, **24**(3): 213–225.
- Rodríguez-Ortega A., A. Equihua-Martínez, R. Nieto-Aquino, M. P. Chaires-Grijlva, A. Pro-Martínez, L. T. Rodríguez-Ortega. 2018. Presencia de *Knemidocoptes mutans* (Robin & Lanquetin) (Astigmata: Knemidocoptidae) en gallos minúatura en el estado de Hidalgo, México. - *Folia entomologica Mexicana*, **4**(1): 28–31.
- Sajid M.S., M. Ahsan, A. Kausar, M. Jawad, M. K. Saleemi. 2017. *Sarcoptes scabiei* (Acari: Sarcoptidae) infestation in rabbits (*Oryctolagus cuniculus*): A case study. - *Revista Colomb. Entomol.*, **43**(1): 51 - 54.

Update 2020 – 2021 to Vol. VI

Beron P. 2020. Acarorum Catalogus. VI. Rhinonyssidae, Spinturnicidae. Pensoft & Nat. Mus. Natur. Hist. Sofia: 265 pp.

Introduction

As a result of the recent contributions, the number of genera and species (some of them uncertain status) is updated as follows:

Rhinonyssidae – 16 genera, 457 species

Spinturnicidae – 12 genera, 111 species

New contributions to the Catalogue:

Fam. Rhinonyssidae

Ptilonyssus dimi Dimov

Ptilonyssus dimi Dimov, 2020b: 6

Type locality: Elez, Lipetz region

Distribution: Russia

Host: *Hirundo rustica* (Passeriformes: Hirundinidae)

Ptilonyssus harko Dimov

Ptilonyssus harko Dimov, 2020b: 2

Type locality: Viazovka, Orenburg region

Distribution: Russia

Host: *Riparia riparia* (Passeriformes: Hirundinidae)

Ptilonyssus poriazovi Dimov .

Ptilonyssus poriazovi Dimov, 2020b: 9

Type locality: Kohma, Ivanovo region

Distribution: Russia

Host: *Emberiza citrinella* (Passeriformes: Emberizidae)

Rhinonyssus derojasi Dimov

Rhinonyssus derojasi Dimov, 2020a: 2

Type locality: Revda, Sverdlovsk Region

Distribution: Russia

Host: *Anser anser* (Anseriformes: Anatidae)

Rhinonyssus karelinae Dimov*Rhinonyssus karelinae* Dimov, 2020a: 11

Type locality: Tihvin, Leningrad region

Distribution: Russia

Host: *Charadrius dubius* (Charadriiformes: Charadriidae)***Rhinonyssus mileni*** Dimov*Rhinonyssus mileni* Dimov, 2020a: 8

Type locality: Dubovka, Volgograd Region

Distribution: Russia

Host: *Charadrius dubius* (Charadriiformes: Charadriidae)***Rhinonyssus sixli*** Dimov*Rhinonyssus sixli* Dimov, 2020a: 5

Type locality: Mosolovo, Kursk region

Distribution: Russia

Host: *Podiceps ruficollis* (Podicipediformes: Podicipedidae)***Sternostoma alexmironi*** Dimov*Sternostoma alexmironi* Dimov, 2020c: 2

Type locality: Opochka, Pskov region

Distribution: Russia

Host: *Oenanthe oenanthe* (Passeriformes: Muscicapidae)***Sternostoma antoni*** Dimov*Sternostoma antoni* Dimov, 2020c: 5

Type locality: Liski, Voronej region

Distribution: Russia

Host: *Dendrocopos major* (Piciformes: Picidae)***Sternostoma chakarovae*** Dimov*Sternostoma chakarovae* Dimov, 2020c: 8

Type locality: Hvalovo, Leningrad region

Distribution: Russia

Host: *Oenanthe oenanthe* (Passeriformes: Muscicapidae)***Sternostoma delianovae*** Dimov*Sternostoma delianovae* Dimov, 2020c: 11

Type locality: Kirishi, Leningrad region

Distribution: Russia

Host: *Turdus pilaris* (Passeriformes: Turdidae)

Sternostoma enevi* DimovSternostoma enevi* Dimov, 2020c: 14

Type locality: Budenovsk, Stavropol region

Distribution: Russia

Host: *Turdus pilaris* (Passeriformes: Turdidae)**Fam. Spinturnicidae*****Ancystropus aethiopicus*** Hirst, 1923 – Egypt, on *Rousettus aegyptiacus* in Qalyubiyah Governorate (Hafez et al., 1994)***Meristaspis kenyaensis*** (Radford, 1947) - Egypt, on *Rousettus aegyptiacus* in Qalyubiyah Governorate (Hafez et al., 1994)***Periglischrus empheresotrichus*** Morales-Malacara, Castaño-Meneses et Klompen
Periglischrus empheresotrichus Morales-Malacara, Castaño-Meneses & Klompen in
Morales-Malacara, Castaño-Meneses, Klompen & Mancina, 2019: 421

Type locality: Jamaica, St. Ann Parish; ½ mi. S, ½ mi. W. Runaway Bay

Distribution: Cuba, Dominica, Jamaica, Haiti, Guadeloupe

Hosts: *Monophyllus redmani*, *M. plethodon* (Chiroptera: Phyllostomatidae)***Periglischrus paracaligus*** Herrin et Tipton, 1975 - Mexico, on *Leptonycteris verbabuenae* (Zamora-Mejias, Morales - Malacara et al., 2020)**Distribution of Rhinonyssidae and Spinturnicidae**

(suppl. 2020 - 2021)

Fam. Rhinonyssidae**EUROPE****Russia** (Dimov, 2017, 2020a, b, c, d; Dimov & Zhigulin, 2020; Veiga et al., 2021) – *Ptilonyssus dimi*, *P. harko*, *P. poriazovi*, *Rhinonyssus derojasi*, *Rh. karelinae*, *Rh. mileni*, *Rh. sixli*, *Sternostoma alexmironi*, *S. antoni*, *S. chakarovae*, *S. delianovae*, *S. enevi***SOUTH AMERICA****Fam. Spinturnicidae****EUROPE****Russia** (Orlova, Klimov et al., 2021; Orlova, Vu Dinh Thong et al., 2021)**Crimea** (Orlova & Klimov, 2020) – *Spinturnix psi*

AFRICA

Egypt (Hafez et al., 1994) - *Meristaspis kenaensis*, *Ancystropus aethiopicus*

ASIA

Iran (Yousefi et al., 2018) – *Spinturnix emarginata*

NORTH and CENTRAL AMERICA

Mexico (Zamora-Mejias, Morales – Malacara et al., 2020; Morales-Malacara et al., 2020)
– *Periglischrus caligus*, *P. empheresotrichus*

SOUTH AMERICA

Paraguay (Morales - Malacara et al., 2020) – *Periglischrus herrerae*

Hosts

Rhinonyssidae

Aves

Anseriformes

Fam. Anatidae

Anser anser – *Rhinonyssus derojasi*

Charadriiformes

Fam. Charadriidae

Charadrius dubius – *Rhinonyssus karelinae*, *Rh. mileni*

Passeriformes

Fam. Emberizidae

Emberiza citrinella – *Ptilonyssus poriazovi*

Fam. Hirundinidae

Hirundo rustica – *Ptilonyssus dimi*

Riparia riparia – *Ptilonyssus harco*

Fam. Muscicapidae

Oenanthe oenanthe - *Sternostoma alexmironi*, *S. chakarovae*

Fam. Turdidae

Turdus pilaris – *Sternostoma delianovae*, *S. enevi*

Piciformes

Fam. Picidae

Dendrocopos major – *Sternostoma antoni*

Podicipediformes

Fam. Podicipedidae

Podiceps ruficollis – *Rhinonyssus sixli*

Chiroptera**Fam. Spinturnicidae****Fam. Pteropodidae**

Rousettus aegyptiacus - *Meristaspis kenaensis*, *M. lateralis*, *Ancystropus aethiopicus*, *A. zeleborii*

Fam. Vespertilionidae

Myotis emarginatus – *Spinturnix emarginata*

Fam. Phyllostomatidae

Periglischrus herrerae Machado-Allison, 1965 is recorded also on *Anoura* sp., *Sturnira ludovici*, *S. lilium* by Morales-Malacara et al. (2020).

Publications on Rhinonyssidae and Spinturnicidae

(suppl. 2020 - 2021)

Rhinonyssidae

- De Rojas M., J. Doña, I. Dimov. 2020. A comprehensive survey of Rhinonyssid mites (Mesostigmata: Rhinonyssidae) in Northwest Russia: New mite-host associations and prevalence data. - *Biodiversity Data Journal* 8: e49535, 1- 37.
- Dimov I. 2017. Nasal rhinonyssid mites of birds. Second International Parasitological Symposium, Saint Petersburg, 6 – 8 November 2017, 81 – 83.
- Dimov I. 2020a. Four new species of nasal mites *Rhinonyssus* (Mesostigmata: Rhinonyssidae) from Russia. – *Arhimed, Journal of Science and Practice*, **9**: 26 – 41.
- Dimov I. 2020b. Three new species of nasal mites *Ptilonyssus* (Mesostigmata: Rhinonyssidae) from Russia. – *Arhimed, Journal of Science and Practice*, **9**: 41 – 52.
- Dimov I. 2020c. Five new species of nasal mites *Sternostoma* (Mesostigmata, Rhinonyssidae) from Russia. *Arhimed - Journal of Science and Practice*, **9**: 3-19.
- Dimov I. 2020d. Taxonomic diversity and morphology of mites of the family Rhinonyssidae of the Northwest of Russia. Saint Petersburg, 214 pp.
- Dimov I., L.L.C. Zhigulin. 2020. Morphology of nasal mites of the family Rhinonyssidae – scanning electron microscopy. Saint Petersburg, 128.
- Veiga J., I. Dimov, M. de Rojas. 2021. Endoparasitic Mites (Rhinonyssidae) on Urban Pigeons and Doves: Updating Morphological and Epidemiological Information. - *Diversity*, **13**: 11. <https://doi.org/10.3390/d13010011>

Spinturnicidae

- Hafez S. M., N.M. Ebaid, M.E. Tharwat, A.E. Abdel-Megeed. 1994. Bat mites of Egypt (Acari: Spinturnicidae).- *Annals of Agricultural Science (Cairo)*, **39**(1): 463-471.
- Morales-Malacara J.B., Y.M. L. Aldana, E. Reyes-Novelo, C. E. Almazán-Marín, H. A. Ruiz-Piña, A. Cuxim-Koyoc, Á. Aguilar-Setién, H. Colín-Martínez, C. García-Estrada, M.

- Ojeda. 2018. Redescription of *Periglischrus herrerae* (Acari: Spinturnicidae) associated to *Desmodus rotundus* (Chiroptera: Phyllostomidae: Desmodontinae), with a description of adult female heteromorphism and an analysis of its variability throughout the Neotropics. - Journal of Medical Entomology, **55**(2): 300–316.
- Morales-Malacara J.B., G. Castaño-Meneses, H. Klompen, C. A Mancina. 2020. New Species of the Genus *Periglischrus* (Acari: Spinturnicidae) from *Monophyllus* Bats (Chiroptera: Phyllostomidae) in the West Indies, Including a Morphometric Analysis of Its Intraspecific Variation. - Journal of Medical Entomology, **57**(2): 418–436.
- Nguyen Thanh Luong, M.V.Orlova, Vu Quang Mu, Dinh Thong. 2021. First record of *Eyndhovenia* (Mesostigmata: Gamasina: Spinturnicidae) from Vietnam. - Parasitology International, **82**.
- Orlova M.V., P.B. Klimov. 2020. Local host-parasite co-extinction: the bent-wing bat *Miniopterus schreibersii* (Chiroptera: Miniopteridae) and *Spinturnix psi*. (Mesostigmata: Spinturnicidae) in Crimea. – Plecotus et al., **23**: 80 – 87.
- Orlova M.V., M.K. Stanyukovich, O.L. Orlov. 2015. Gamasid mites (Mesostigmata: Gamasina) associated with bats (Chiroptera: Vespertilionidae, Rhinolophidae, Molossidae) of boreal Palaearctic zone (Russia and adjacent countries). – Tomsk: Publishing House of Tomsk State University, 150 p.
- Orlova M.V., P.B. Klimov, O.L. Orlov, S. V. Kruskop, V.S. Lebedev. 2021. New geographic and host records of spinturnicid mites (Mesostigmata: Spinturnicidae) in Asia, with description of the protonymph of *Spinturnix tylonycterisi*. - Internat. Journal of Acarology, **47**(4): 361 – 365.
- Orlova M.V., Vu Dinh Thong, N.V. Anisimov, D.G. Smirnov, O.L. Orlov. 2021. New findings of spinturnicid mites (Mesostigmata: Gamasina: Spinturnicidae) from Caucasus. – International Parasitology, **85**.
- Yousefi Sh. et al. 2018. Postnatal variation in ectoparasite (*Spinturnix emarginata*) load in neonates of Geoffroy's Bat (*Myotis emarginatus*): how fast do young bats become infested with ectoparasites? - Acta Chiropterologica, **20**(1): 187-194.
- Zamora-Mejías D., J. B. Morales-Malacara, B. Rodríguez-Herrera, M. Ojeda, R. A. Medellín. 2020. Does latitudinal migration represent an advantage in the decrease of ectoparasitic loads in *Leptonycteris yerbabuenae* (Chiroptera)? - Journal of Mammalogy, **101**(4): 979–989, <https://doi.org/10.1093/jmammal/gyaa075>

Update 2020 – 2021 to Vol. VII

Beron P. 2020. Acarorum Catalogus. VII. Raphignathoidea. Pensoft & Nat. Mus. Natur. Hist. Sofia: 306 pp.

Introduction

As a result of the recent contributions, the number of genera and species in Raphignathoidea (some of them uncertain status) is updated as follows:

Barbutiidae – 1 genus, 7 species
 Caligonellidae – 5 genera, 66 species
 Camerobiidae – 7 genera, 175 species
 Cryptognathidae – 3 genera, 66 species
 Dasythyreidae – 2 genera, 3 species
 Dytiscacaridae – 1 genus, 3 species
 Eupalopsellidae – 7 genera, 50 species
 Homocaligidae – 2 genera, 8 species
 Mecognathidae – 2 genera, 7 species
 Raphignathidae – 3 (?) genera, 83 species
 Stigmaeidae – 33 genera, 640 species
 Xenocaligonellidae – 2 genera, 5 species
 Raphignathoidea total - 68 genera, 1113 species

New contributions to the Catalogue:

Fam. Barbutiidae

Barbutia arasbaraniensis Mohammad - Doustaresharaf et Bagheri

Barbutia arasbaraniensis Mohammad - Doustaresharaf & Bagheri, 2021a: 10

Type locality:

Distribution: Iran

Barbutia theroni Khaustov, Vorontsov, Perkovsky et Klimov

Barbutia theroni Khaustov, Vorontsov, Perkovsky & Klimov, 2021: 975

Type locality: Rovno

Distribution: Ukraine

Fam. Caligonellidae

Caligonella quinqueocellata Khaustov

Caligonella quinqueocellata Khaustov, 2021: 911

Type locality: Arabat Spit

Distribution: Crimea

Caligonella astragalusi Pishehvar et Khanjani

Caligonella astragalusi Pishehvar & Khanjani, 2020: 1989

Type locality: Nahavad, Hamedan Province

Distribution: Iran

Molothrognathus sibiricus Khaustov

Molothrognathus sibiricus Khaustov, 2022: 99

Type locality: Altai Republic, Kosh-Agach, 1765 m

Distribution: Russia (Altai Republic)

Molothrognathus tauricus Khaustov

Molothrognathus tauricus Khaustov, 2021: 917

Type locality: Arabat Spit

Distribution: Crimea

Neognathus sibiricus Khaustov

Neognathus sibiricus Khaustov, 2022: 99

Type locality: Tyumen Region, vicinity of lake Kushak

Distribution: Russia (Siberia)

Fam. Camerobiidae

Neophyllobius cibyci Paredes-León, Corona-López, Flores-Palacios et Toledo

Neophyllobius cibyci Paredes-León, Corona-López, Flores-Palacios & Toledo, 2016: 5

Type locality: dry forest 1 km south of San Andres de la Cal, Tepotzlán, Morelos

Distribution: Mexico

Host: inhabiting bromeliads (*Tillandsia* spp.) and living on two tree species (*Quercus obtusata* and *Sapium macrocarpum*)

Neophyllobius denizliensis Akyol

Neophyllobius denizliensis Akyol, 2020b: 88

Type locality: Denizli Province

Distribution: Turkey

Neophyllobius electrus Zmudzinski

Neophyllobius electrus Zmudzinski, 2020: 698

Type locality: Eocene Baltic Amber

Distribution: Baltic Amber

Neophyllobius glaesus Zmudzinski*Neophyllobius glaesus* Zmudzinski, 2020: 706

Type locality: Eocene Baltic Amber

Distribution: Baltic Amber

Neophyllobius tepoztlanensis Paredes-León, Corona-López, Flores-Palacios et Toledo*Neophyllobius tepoztlanensis* Paredes-León, Corona-López, Flores-Palacios & Toledo, 2016: 14

Type locality: dry forest 1 km south of San Andres de la Cal, Tepotzlán, Morelos

Distribution: Mexico

Host: inhabiting bromeliads (*Tillandsia* spp.) and living on two tree species (*Quercus obtusata* and *Sapium macrocarpum*)***Neophyllobius tescalicola*** Paredes-León, Corona-López, Flores-Palacios et Toledo
Tillandsobius Bolland, 1985 = *Tycherobius* Bolland, 1986 (after Mirza, Kamran & Alatawi, 2022: 5)*Tillandsobius floridensis* Bolland, 1986 = *Tycherobius floridensis* (Bolland) - Mirza et al., 2022: 5*Neophyllobius texanus* McGregor, 1950 = *Neophyllobius* (*Monophyllobius* Mirza, 2022:6) *texanus* McGregor***Monobius*** Alatawi et Kamran, 2022: 4*Neophyllobius electrus* Zmudzinski, 2020 = *Monobius electrus* (Zmudzinski, 2020) - Mirza et al., 2022: 5*Neophyllobius meyeræ* Bolland, 1991 = *Monobius meyeræ* (Boland) - Mirza et al., 2022: 5*Neophyllobius tescalicola* Paredes-León, Corona-López, Flores-Palacios & Toledo, 2016: 17

Type locality: dry forest 1 km south of San Andres de la Cal, Tepotzlán, Morelos

Distribution: Mexico

Host: in soil and litter under *Quercus obtusata***Fam. Cryptognathidae*****Cryptognathus karabagiensis*** Akyol*Cryptognathus karabagiensis* Akyol, 2020c: 1644

Type locality: Karabag

Distribution: Turkey

Favognathus rosulatus Doğan et Doğan*Favognathus rosulatus* Doğan & Doğan, 2020b: 71

Type locality: Turkey

Distribution: Turkey

Fam. **Raphignathidae**

Raphignathus kulaensis Akyol

Raphignathus kulaensis Akyol, 2020a: 1096

Type locality: Manisa and Denizli provinces

Distribution: Turkey

Raphignathus rakhshandehi Pishehvar et Khanjani

Raphignathus rakhshandehi Pishehvar & Khanjani, 2021: 185

Type locality: along Gamasiab river, Nahavand, Hamedan Prov.

Distribution: Iran

Raphignathus seraji Pishehvar et Khanjani

Raphignathus seraji Pishehvar & Khanjani, 2021: 186

Type locality: along Gamasiab river, Nahavand, Hamedan Prov.

Distribution: Iran

Fam. **Stigmaeidae**

Agistemus piquinnus Monjarás-Barrera et Johann

Agistemus piquinnus Monjarás-Barrera & Johann, 2020: 472

Type locality: Ciudad Victoria, Tamaulipas

Distribution: Mexico

Agistemus brasiliensis Matioli, Ueckermann & Oliveira from Mexico (Monjarás-Barrera et al., 2020)

Agistemus vulgaris Soliman et Gomaa from Egypt.

Eustigmaeus crassifolius Bizarro et Johann

Eustigmaeus crassifolius Bizarro & Johann, 2020: 826

Type locality: Belém city (1°26'09.2"S, 48°26'28.6"W), Pará state

Distribution: Brazil

Eustigmaeus johnstoni Zhang et Gerson, 1995 – recorded also from *Phlebotomus alexandri* and from *Sergentomyia (Sintonius) clydei* and *S. sintoni* by Majidi, Hajiqaanbar & Saboori (2019).

Eustigmaeus segnis (C.L. Koch) - for Spain (Santamaría et al., 2012)

Mediolata similans González-Rodríguez - for Spain (Santamaría et al., 2012)

Prostigmaeus amplius Doğan, Doğan et Türk*Prostigmaeus amplius* Doğan, Doğan & Türk, 2020: 1076

Type locality: Turkey

Distribution: Turkey

Stigmaeus akimovi Kharadov*Stigmaeus akimovi* Kharadov, 2021a: 43

Type locality: Altai Republic,

Distribution: Russia

Stigmaeus bagherii Rostami et Doustaresharaf*Stigmaeus bagherii* Rostami & Doustaresharaf, 2021: 222

Type locality: East Azerbaijan Province, north-western Iran

Distribution: Iran

Stigmaeus exilis Doğan et Doğan*Stigmaeus exilis* Doğan & Doğan, 2021: 20

Type locality: Sansa Gorge

Distribution: Turkey

Stigmaeus furcatus Dönel et Doğan, 2011 – new for Iran, recorded on *Phlebotomus alexandri* by Majidi, Hajiqanbar & Saboori (2019).***Stigmaeus fusus*** Summers, 1962 - new for Russia (Khaustov, 2021)***Stigmaeus lorestaniensis*** Ahmad-Hosseini et Jafari*Stigmaeus lorestaniensis* Ahmad-Hosseini & Jafari, 2022: 238

Type locality: Shorab Vill., Lorestan Prov.

Distribution: Iran

Stigmaeus pulumurensis Doğan et Doğan*Stigmaeus pulumurensis* Doğan & Doğan, 2020a: 42

Type locality: Pülümür Valley

Distribution: Turkey

Stigmaeus sinai Swift, 1987 – recorded also from *Phlebotomus alexandri* by Majidi, Hajiqanbar & Saboori (2019).***Stigmaeus strobiculatus*** Kharadov*Stigmaeus strobiculatus* Kharadov, 2021a: 248

Type locality: Western Siberia

Distribution: Russia

Stigmaeus youngi (Hirst, 1926) - new for Iran, recorded on *Phlebotomus alexandri*, *Sergentomyia theodori* and *S. sintoni* (Majidi, Hajikanbar & Saboori, 2019)

Distribution of Raphignathoidea (suppl.)

EUROPE

Russia (Khaustov, 2021a,b) – *Stigmaeus akimovi* (Altai), *S. scrobiculatus* (Siberia)

Crimea (Khaustov, 2021c) – *Caligonella quinqueocellata*, *Molothrognathus turcicus*

Spain (Santamaría et al., 2012) – *Eustigmaeus* [*Ledermulleria*] *segnis*, *Mediolata similans*

Turkey (Doğan, Doğan & Erman, 2018; Akyol, 2020a, 2020b, 2020c, 2021a, 2021b; Akyol & Koc, 2020; Cobanoglu, Ögreten & Sade, 2021; Doğan, 2020; Doğan & Doğan, 2020a, b, c; Doğan & Doğan, 2021; Doğan, Doğan & Türk, 2018, 2020) – *Cryptognathus karabagiensis*, *Favognathus rosulatus*, *Molothrognathus shirazicus*, *Paraneognathus wangae*, *Prostigmaeus amplius*, *P. kannjanii*, *Raphignathus gracilis*, *R. kulaensis*, *Stigmaeus exiis*, *S. pulumurensis*, *S. shabestariensis*

Ukraine (Khaustov et al., 2021) – *Barbutia theroni*

ASIA

Iran (Majidi, Hajikanbar & Saboori, 2019; Siahkamari et al., 2020; Khosravinedzad, Jafari & Paktinat-Saeij, 2020; Pishehvar & Khanjani, 2021; Rostami, 2021; Gassemi & Hadjizadeh, 2021; Doustaresharaf & Bagheri, 2021a, 2021b, Ahmad-Hosseini & Jafari, 2022) – *Barbutia arasbaraniensis*, *Eustigmaeus johnstoni*, *Raphignathus rakhshandehi*, *R. seraji*, *Stigmaeus bagherii*, *S. furcatus*, *S. lorestaniensis*, *S. sinai*, *S. youngi*

Saudi Arabia (Mirza, Kamran & Alatawi, 2022) - *Camerobia southcotti*, *Neophyllobius combreticola*, *N. denizliensis*, *N. lorestanicus*, *Tycherobius emadi*

NORTH AMERICA

Mexico (Monjarás-Barrera et al., 2020) – *Agistemus brasiliensis*, *A. piquinnus*

SOUTH AMERICA

Brazil (Bizarro et al., 2020; Toldi et al., 2021 - *Eustigmaeus crassifolius*

Hosts

Diptera

Fam. Psychodidae

Phlebotomus (*Paraphlebotomus*) *alexandri* – *Eustigmaeus johnstoni*, *Stigmaeus furcatus*, *S. sinai*

P. (Phlebotomus) papatasi - *Eustigmaeus johnstoni*, *S. sinai*, *S. youngi*

Sergentomyia (Sintonius) clydei - *Eustigmaeus johnstoni*

Se. (Se.) sintoni - *Eustigmaeus johnstoni*, *Stigmaeus youngi*
Se. (Se.) theodori - *Stigmaeus youngi*

Publications on Raphignathoidea

(suppl. 2020 - 2021)

- Abdelgayed S. A., N. M Abd El-Wahed, A. M. Ali, S. Eraky. 2019. Species Composition and Diversity of Mites Inhabiting Pomegranate Orchards at Assiut, Upper Egypt. - *Acarines*, **13**: 29-36.
- Ahmad – Hosseini M., Sh. Jafari. 2022. *Stigmaeus lorestaniensis*, a new species of the genus *Stigmaeus* (Acari: Stigmaeidae) from Southwest of Iran. - *Persian Journal of Acarology*, **11**(2), serial No41: 237 – 243.
- Akyol M. 2020a. A new species of the genus *Raphignathus* Dugès (Acari: Raphignathidae) from the Aegean region of Turkey. – *Syst. Appl. Acarol.*, **25**(6): 1095 – 1101.
- Akyol M. 2020b. A new species of the genus *Neophyllobius* Berlese (Acari: Camerobiidae) from Denizli Province, Turkey. – *Acarological Studies*, **2**(2): 88 –93.
- Akyol M. 2020c. A new species of the genus *Cryptognathus* Kramer (Acari: Cryptognathidae) from the Aegean Region of Turkey. - *Syst. Appl. Acarol.*, **25**(9): 1643 – 1648.
- Akyol M. 2021a. Two New Records of Stigmaeid Mites (Acari: Stigmaeidae) for the Turkish Fauna. – *KSU J. Agric. Nat.*, **24**(2): 430 – 434.
- Akyol M. 2021b. A new record for the mite fauna of Turkey: *Molothrognathus shirazicus* (Acari, Caligonellidae) and the first description of its protonymph. – *Acarol. Stud.*, **3**(1): 43 – 47.
- Akyol M., K. Koc 2020. Erratum: M. Akyol & K.Koc, A new species and a new record of the genus *Tycherobius* (Acari: Camerobiidae) for the Turkish Fauna. – *Syst. Appl. Acarol.*, **22**(2): 21 – 27 (2017). – *Syst. Appl. Acarol.*, **25**(4): 773 – 774.
- Bizarro G. L., A. C. da Silva Noronha, G.L. Da Silva, N. J. Ferla, L. Johanna. 2020. A new species of *Eustigmaeus* Berlese (Acari: Stigmaeidae) from Brazil. – *Acarologia*, **60**(4): 825-830.
- Doğan S. 2019. Raphignathoidea (Acari: Trombidiformes) of Turkey: A review of progress on the systematics, with an updated checklist. - *Acarological Studies*, **1**(2): 129–151.
- Doğan S. 2020. Correction: Raphignathoidea (Acari: Trombidiformes) of Turkey: A review of progress on the systematics, with an updated checklist. - *Acarological Studies*, **2**(1): 58.
- Doğan S., S. Doğan. 2018. The stigmaeid mites (Acari: Stigmaeidae) from Yedigöller, Ecece Mountains (Turkey). *Abstr. Ecol. Intern. 2018 Symp.*, Kastamonu, 19-23 June 2018: 771.
- Doğan Sibel, S. Doğan. 2020a. A new species of the genus *Stigmaeus* Koch (Acari, Stigmaeidae) from Pülümür Valley (Turkey)[Orig. Turk.]. – *Acarological Studies*, **2**(1): 41 – 45.
- Doğan S., S. Doğan. 2020b. A new species of the genus *Favognathus* (Acariformes: Cryptognathidae) from Turkey, with some taxonomic comments on other members of the genus. [Orig. Turk.]. – *Acarological Studies*, **2**(1): 69 – 76.
- Doğan S., S. Doğan. 2020c. Newly recorded stigmaeid mites (Acariformes: Raphignathoidea: Stigmaeidae) for the fauna of Turkey. – *Acarological Studies*, **2**(2): 94 – 118.

- Doğan S., S. Doğan. 2021. The first report of malformation in a stigmatid mite species, *Storchia robusta* (Berlese) (Acariformes: Stigmatidae). - International Journal of Acarology, **47**(3): 270 – 271.
- Doğan Salih, Sibel Dikaraoğlu Doğan. 2021 *Stigmaeus exilis*, a new fusiform species of *Stigmaeus* Koch (Acariformes: Stigmatidae) from Sansa, Turkey. - Persian Journal of Acarology, **10**(1): 19 – 28.
- Doğan S., S. Doğan, O. Erman. 2018. Cryptognathid mites (Acari: Cryptognathidae) of Harsit Valley and Örumcek Forests (Turkey). - Abstr. Ecol. Intern. 2018 Symp., Kastamonu, 19-23 June 2018: 671.
- Doğan S., S. Doğan, O. Erman. 2019a. Mites of *Raphignathus* Dugès (Acari: Raphignathidae) from Harsit Valley (Turkey), with taxonomic notes on other members of the genus. - Plant Prot. Bull., **59**(1): 25 – 36.
- Doğan S., S. Doğan, O. Erman. 2019b. New record of *Eustigmaeus setiferus* (Acari, Stigmatidae) in Turkey. - Eurasia 3rd Intern. Congr. of Appl. Studies 28-30 June 2019 Sivas: 98 – 109.
- Doğan S., S. Doğan, B. Kabasakal. 2021. Peritremal variations in *Caligonella haddadi* Bagheri & Maleki (Acariformes: Caligonellidae). - Syst. Appl. Acarology, **26**(6): 1021 – 1025.
- Doğan S., S. Doğan, M. Khanjani. 2021. On some species of the genus *Ledermuelleriopsis* Willmann (Acariformes: Stigmatidae) in Turkey. - Syst. Appl. Acarol., **26**(2): 455 – 463.
- Doğan S., S. Doğan, M.B. Türk. 2018. Numerical variations in the body setae of *Stigmaeus elongatus* Berlese (Acari: Stigmatidae) - Abstr. Ecol. Intern. 2018 Symp., Kastamonu, 19-23 June 2018: 438.
- Doğan S., S. Doğan, M.B. Türk. 2020. A new species of the genus *Prostigmaeus* Kuznetzov (Trombidiformes: Stigmatidae) from Turkey. - Syst. Appl. Acarol., **25**(6): 1075 – 1084.
- Doustaresharaf M.M., M. Bagheri. 2019. First report of the *Stigmaeus diversus* (Acari: Stigmatidae) from Iran. - Persian J. Acarol., **8**(3): 277 – 279.
- Mohammad-Doustarisharaf M., M. Bagheri. 2021a. Description of *Barbutia arasbaraniensis* sp. nov. (Acari: Trombidiformes: Barbutiidae) based on the deutonymph and male specimens from Iran. - Persian J. Acarol., **10**(1): 9 – 17.
- Mohammad-Doustarisharaf M., M. Bagheri. 2021b. Raphignathoid mites (Acariformes: Raphignathoidea) in parts of the Azerbaijan provinces of Iran. - Acarol. Stud., **3**(2): 56 – 65.
- Ghasemi A., J. Hajizadeh. 2021. Fauna and identification key for prostigmatid mites (Acari: Prostigmata) associated with greenhouses in Rasht city. - Plant Pest Research. A Quarterly Journal, **11**(1): 1 – 14.
- Gupta S.K., S. Ghoshal, A. Choudhury, B. Mukherjee. 2004. Phytophagous and predatory mite fauna of Sundarbans Biosphere Reserve: II. Some predatory mites occurring on mangrove vegetation and agri-horticultural crops. - Rec. zool. Surv. India, **103**(3-4): 33-45.
- Khaustov A.A. 2021a. A new species and a new record of *Stigmaeus* (Acari: Prostigmata: Stigmatidae) from Western Siberia, Russia. - International Journal of Acarology, **47**(3): 248-261.
- Khaustov A.A. 2021b. Contribution to the Stigmatidae (Acari: Prostigmata) fauna of the Altai Republic, Russia. - Acarina, **29**(1): 43 – 66.

- Khaustov A.A. 2021c. Two new species of Caligonellidae (Acari: Raphignathoidea) from Crimea. – *Acarologia*, **61**(4): 910-927.
- Khaustov A.A. 2022. Two new species of Caligonellidae (Acari: Raphignathoidea) from Western Siberia, Russia. – *Acarologia*, **62**(1): 99 – 112.
- Khaustov A.A., V.V. Abramov. 2021. A revision of *Postumius* (Acari, Prostigmata, Stigmaeidae). – *Acarina*, **29**(1): 115 – 133.
- Khaustov A.A., D.D. Vorontsov, E.E. Perkovski, P.B. Klimov. 2021. First fossil record of mite family Barbutiidae (Acari: Raphignathoidea) from late Eocene Rovno Amber, with a replacement name *Hoplocheylus neosimilis* nomen novum (Tarsocheylidae). – *Syst. Appl. Acarol.*, **26**(5): 973 – 980.
- Khosravinedzad M., S. Jafari, S. Paktinat-Saeij. 2020. A part of the Bdelloidea and Raphignathoidea fauna (Trombidiformes: Prostigmata) in Lorestan Province, with *Cyta kreiteri* recorded for the first time from Iran. – *Persian J. Acarol.*, **9**(1): 87 – 92.
- Majidi M., H. Hajikanbar, A. Saboori. 2019. Parasitic stigmaeid mites (Acari: Stigmaeidae) of phlebotomine sandflies (Diptera: Psychodidae) in Fars Province, southern Iran. - *International Journal of Acarology*, **45**(1-2): 41-47.
- Mirza J.H., M. Kamran, F. Alatawi. 2022. New Genus and New Subgenera of Camerobiid Mites (Acari: Prostigmata: Camerobiidae) with a Key to World Species of the Genus *Neophyllobius*. – *Insects*, **13**, 344: 1 – 34. <http://doi.org/10.3390/insects 13040344>
- Monjarás-Barrera J.I., G.L. Da Silva, J.C. Chacon-Hernandez, O.S. Da Silva, N.J. Ferla, L. Johann. 2020. A new species and new record of *Agistemus* Summers (Acari: Stigmaeidae) associated with *Capsicum annuum* L. var. *glabriusculum* (Solanaceae) from Northeastern of Mexico. – *Acarologia*, **60**(2): 470 – 480.
- Oudemans A.C. 1927. Acarologische aantekeningen LXXXVIII. - *Entomologische Berichten*, **7**(158): 257-263.
- Paredes-León R., A. M. Corona-López, A. Flores-Palacios, V. H. Toledo. 2016. Camerobiid mites (Acariformes: Raphignathina: Camerobiidae) inhabiting epiphytic bromeliads and soil litter of tropical dry forest with analysis of setal homology in the genus *Neophyllobius*. - *European Journal of Taxonomy*, **202**: 1-25.
- Pishehvar Sh., M. Khanjani. 2020. *Caligonella astragalusi* n.sp. (Acari, Trombidiformes, Caligonellidae) from Western Iran. – *Syst. Appl. Acarology*, **25**(11): 1988 – 1993.
- Pishehvar Sh., M. Khanjani. 2021. Two new species of the genus *Raphignathus* (Acari: Raphignathidae) from Hamedan, Iran, with a key to the known species. – *Syst. & Applied Acarology*, **26**(1): 185 – 198.
- Rostami A., M. Mohammad - Doustaresharaf. 2021. Description of *Stigmaeus bagherii* n.sp. (Acari: Stigmaeidae), with a key to the known species of *Stigmaeus* from Iran. – *International Journal of Acarology*, **47**: 222 – 232.
- Santamaría J.M., M. L. Moraza, D. Elustondo, E. Baquero, R. Jordana, E. Lasheras, R. Bermejo, A. H. Ariño. 2012. Diversity of Acari and Collembola along a pollution gradient in soils of a pre-pyrenean forest ecosystem. - *Environmental Engineering and Management Journal*, **11**(6): 1159 -1169.

- Siahkamari S., N. Moeininaghadeh, M. Darbemamieh. 2020. Fauna of Prostigmatic mites (Trombidiformes: Prostigmata) associated with *Quercus* spp. in Bisotun natural preserved area and List of reported species from Oak in Iran (in Farsi). Toldi M., M.E. de Freitas, V.L. da Silva, M. Caumo, J.J. Ferla, C.R. Orlandi, T. Da- Costa, L. Johann, N.J. Ferla. 2021. Communities of predatory mites (Phytoseiidae and Stigmaeidae) in different environments of the Brazilian Pampa. – *Acarologia*, **61**(1): 20 – 30.
- Zmudzinski M. 2020. New fossil stilt-legged mites of *Neophyllobius* Berlese, 1886 (Acariformes, Camerobiidae) from Eocene Baltic amber. – *J. of Palaeontology*, **94**(4): 696 – 715.

Update 2020 - 2021 to Vol. VIII

Beron P. 2020. Acarorum Catalogus. VIII. Cheyletoidea, Cloacaroidea. Pensoft & Nat. Mus. Natur. Hist. Sofia: 465 p.

Introduction

As a result of the recent contributions, the number of genera and species in and (some of them uncertain status) is updated as follows:

Cheyletidae – 80 genera, 474 species

Psorergatidae – 3 genera, 77 species

Demodecidae – 8 genera, 122 species

Harpyrhynchidae - 16 genera, 135 species

Syringophilidae - 63 genera, 416 species

Cloacaridae - 6 genera, 15 species

Epimyodidae – one genus, four species

New contributions to the Catalogue:

Fam. **Cheyletidae**

Bak deleoni Yunker, 1961 – new for India (Modak et al., 2004)

Chelacaropsis moorei Baker, 1949 – India, W. Bengal (A. Gupta et al., 2006), India, Andaman Isl. (Gupta & Ghosh, 1980)

Cheyletus cacahuamilpensis Baker, ***Cheyletomimus congensis*** (Cunliffe) for Egypt (Abdelgayed et al., 2020), ***Cheyletus cacahuamilpensis*** - for Brazil (Pellegrini & Ferreira, 2013)

Ornithocheyletia lukoschusi Smiley, ***O. pingus*** Smiley, ***O. hallae*** Smiley, ***O. gersoni*** Smiley – new for Egypt (Halawa, Osman & Ahmed, 2019)

Samsinakia trilobites Bochkov et Mironov - new for Iran (Kazemi & Pektinat-Saeij, 2021)

Fam. **Demodecidae** – Pormann et al., 2021

Fam. **Harpyrhynchidae**

Harpyrhynchoides [Harpyrhynchus] vercammeni (Lawrence) – new for Egypt (Halawa, Osman & Ahmed, 2019)

Fam. **Syringophilidae**

Syringophiloidus minor (Berlese) – new for Egypt (Halawa, Osman & Ahmed, 2019)

Bubophilus aegolius Skoracki, Kosicki et Kwiecinski
Bubophilus aegolius Skoracki, Kosicki & Kwiecinski, 2021: 355
 Type locality: Poland, Zielenogora, Stary Kisielin
 Distribution: Poland, Finland, Switzerland
 Host: *Aegolius funereus* (Strigiformes: Strigidae)

Distribution of Cheyletoidea and Cloacoidea (suppl.)

ASIA

India (Modak et al., 2004; Gupta et al, 2004; A. Gupta et al., 2006; Gupta & Ghosh, 1980)

– *Chelacaropsis moorei*, *Bal deleari*

Iran (Kazemi & Pektinat-Saeij, 2021) – *Samsinakia trilobitus*

AFRICA

Egypt (Abdelgayed et al., 2020; Atwa et al., 2018; Halawa et al., 2019) – *Cheyletus caca-huampilensis*, *Cheyletomimus congensis*, *Harpyrhynchoides [Harpyrhynchus] vercammeni*, *Ornithocheyletia lukoschusi*, *O. pingus*, *O. hallae*, *O. gersoni*, *Syringophiloidus minor*

SOUTH AMERICA

Brazil (Pellegrini & Ferreira, 2013) - *Cheyletus caca-huampilensis*

Hosts

Aves

Columbiformes

Fam. Columbidae

Streptopelia senegalensis aegyptiaca - *Harpyrhynchoides* [*Harpyrhynchus*] *vercammeni*, *Ornithocheyletia lukoschusi*, *O. hallae*, *O. gersoni*, *O. pinguis*
Columba livia domestica - *Ornithocheyletia lukoschusi*

Passeriformes

Fam. Passeridae

Passer domesticus niloticus - *Syringophiloidus minor*

Strigiformes

Fam. Stigidae

Aegolius funereus - *Bubophilus aegolius*

Publications on Cheyletoidea and Cloacoidea

(suppl. 2020 – 2021 and omitted)

- Abdelgayed S. A., N. M Abd El-Wahed, A. M. Ali, S. Eraky. 2020. Species Composition and Diversity of Mites Inhabiting Pomegranate Orchards at Assiut, Upper Egypt. - *Acarines*, **13**: 29-36.
- Atwa W.A., M.E. El-Naggar, A.M. Khalil, M.E. El-Shaer, Z.M.M. Mostafa. 2018. Biological studies on cheyletid predator mite, *Cheletogenes ornatus* (Canestrini & Fanzago) when fed on the different preys. – *Egypt. Acad. J. Biol. Sci., A. Entomology*, **11**(5): 21 – 29.
- Gupta A., A. Chalrterjee, A. K. Sanyal, S. K. Gupta. 2006. On a collection of soil prostigmatid mites (Acari) from southern parts of West Bengal, India. - *Rec. Zool. Surv. India*: **106**(4): 61-71.
- Gupta S.K., S.K. Ghosh. 1980. Some prostigmatid mites (Acarina) from Andaman and Nicobar islands. - *Rec. Zool. Surv. India*, **77**: 189 - 121.
- Halawa A.M., S. A. A. Osman, H. A. A. Ahmed. 2019. Diversity and infestation rate of mites associated with some birds in upper and lower Egypt. – *Annals of Agric. Sci., Moshtohor*, **57**(2): 517 – 524.
- Kazemi S., S. Paktinat-Saeij. 2021. First record of *Samsinakia trilobites* (Prostigmata, Cheyletidae) from Iran. – *Persian J. Acarol.*, **10**(1): 107 – 110.
- Khaustov A.A. Review of free-living predatory cheyletid mites (Acari: Cheyletidae) of Western Siberia, Russia. – *Syst. Appl. Acarology*, **26**(1): 199 – 239.
- Modak A., G. K. Saha, N. Tandon, S. K. Gupta. 2004. Faunal diversity and habitat preference of house dust mites in West Bengal in relation to nasobronchial allergic disorders. - *Rec. zool. Surv. India*, **102**(1-2): 137-146.

- Pellegrini Th, G., R. L. Ferreira. 2013. Structure and interactions in a cave guano-soil continuum community. - *European Journal of Soil Biology*, **57**: 19-26.
- Portmann A.N., L. Vieira, F. Majolo, G.L. da Silva. 2021. *Demodex folliculorum* and *Demodex brevis* (Acar: Demodicidae) and their association with facial and non- facial pathologies. - *International Journal of Acarology*, **47**(5): 396-403.
- Skoracki M., J.Z. Kosicki, Z. Kwiecinski. 2021. Distribution of the parasitic mite *Bubophilus aegolius* sp.n. (Acariformes: Syringophilidae) on the boreal owl *Aegolius funereus* (L.)(Strigiformes: Strigidae) and the low effectiveness of infestation. – *Eur. Zool. J.*, **88**(1): 352 – 362.
- Zmudzinski M., M. Skoracki, B. Sikora. 2020. An updated checklist of quill mites of the family Syringophilidae (Acariformes: Prostigmata): v2020. Available at: <https://sites.google.com/site/syringophilidae/>

Beron P. 2021. Acarorum Catalogus. IX. Schizoglyphoidea (Schizoglyphidae) Histiostomatoidea (Histiostomatidae, Guanolichidae) Canestrinioidea (Canestriniidae, Chetochelacaridae, Lophonotacaridae, Heterocoptidae) Hemisarcoptoidea (Chaetodactylidae, Hyadesiidae, Algophagidae, Hemisarcoptidae, Carpoglyphidae, Winterschmidtidae). Pensoft & Nat. Mus. Natur. Hist. Sofia: 396 p.

The recent article of R. Haitlinger altered drastically the system of fam. Canestriniidae with the description of 9 new genera and the change of the taxonomy of 24 species.

Haitlinger R. 2022. A review of host-commensal associations between canestriniid mites (Astigmata: Canestriniidae) and Insects with keys and descriptions of new genera. – *The European Zoological Journal*, **89**(1).

The new genera are: *Balearella*, (Ibizella Haitlinger et Šundić, 2016, syn.), *Cercediphotia*, *Ciprusenia*, *Ismaeilienia*, *Javanellina*, *Kuramansenia*, *Midiphotia*, *Phalerotusellus*, *Sumatranella*.

24 species are transferred to another or new genera: *Balearella asilahica*, *B. balearica*, *B. samsinaki*, *Ciprusenia carabicola*, *C. izabelae*, *C. kamelskyi*, *C. sellnicki*, *C. viviannae*, *Imaielienia egypti*, *I.maroccana*, *Javanellina macgillavryi*, *Kuramasenia illegalis*, *K. paavoi*, *K. pekingensis*, *K. pictura*, *K. ramoni*, *Midiphotia hispanica*, *M. jureceki*, *Phaleratusellus alatus*, *Pseudocanestrinia damiani*, *P. roberti*, *Sumatranella batocerae*, *S. elae* and *S.phoebinae*.

As a result of the recent contributions, the number of genera and species in this volume (some of them uncertain status) is updated as follows:

Schizoglyphidae – 1 genus, 1 species
 Histiostomatidae – 58 genera, 522 species
 Guanolichidae – 3 genera, 4 species
 Canestriniidae – 100 genera, 348 species
 Chetochelacaridae – 1 genus, 1 species

Lophonotacaridae – 1 genus, 1 species
Heteroptidae – 12 genera, 28 species
Chaetodactylidae – 5 genera, 110 species
Hyadesiidae – 2 genera, 47 species
Algophagidae – 8 genera, 22 species
Hemisarcoptidae – 8 genera, 24 species
Carpoglyphidae – 4 genera, 10 species
Winterschmidtidae – 25 genera, 138 species

The series Acarorum Catalogus

Vol. I (2008) – Erythraeidae, Smarididae, Calyptostommatidae – 3 fam., 68 genera, 959 sp.

II (2011) – Listrophoroidea - 5 fam., 100 genera, 925 sp.

III (2014) - Opilioacarida, Holothyrida, Mesostigmata - 13 fam., 85 genera, 422 sp.

IV (2015) – Myobiidae, Pterygosomatidae - 2 fam., 68 genera, 707 sp.

V (2015) – Sarcoptoidea, Analgoidea, 19 fam., 145 genera, 509 sp.

VI (2020) – Rhinonyssidae, Spinturnicidae - 2 fam., 28 genera, 568 sp.

VII (2020) - Raphignathoidea - 12 fam., 68 genera, 1113 sp.

VIII (2020) – Cheyletoidea, Cloacaroidea - 13 fam., 177 genera, 1243 sp.

**IX (2021) – Schizoglyphoidea, Histiostomatoidea, Canestrinioidea, Hemisarcop-
toidea - 13 fam., 233 genera, 1240 sp.**

**X (2022) - Labidostommatoidea, Eupodoidea, Tydeoidea, Paratydeoidea, Anystoidea,
Caeculoidea, Adamystoidea, Pomerantzioidea – 20 fam., 230 genera, 967 sp. Supple-
ments: 1 fam., 11 genera, 149 sp. Added: 9 new genera, described by Haitlinger (2022).**

Total: 102 fam., 1222 genera, 8815 sp.

Acknowledgements

Our gratitude is due to many specialists, sharing their experience, providing the necessary publications or material. First of all we thank the arachnologists A.Fain, Fan Quing-Hai, A. Bochkov, Z. Feider, A. Khaustov, M. Bertrand, M.Shiba, C.Willmann, H.E.Vistorin, K.Schmölzer, P.Robaux, J.Cooreman, M. Zacharda, M.K.P.Meyer, H.Franz, I.Coineau, R.W.Strandtmann, B.Halliday, E.A.Ueckermann. For the updating of the previous volumes the author is grateful to R. Haitlinger, M. Šundić, A. Saboori, Si-Yuan Xu, R. Bassini-Silva, G. Gabryś, A. Bochkov, B. OConnor, M. Skoracki, M.M. Vázquez, H. Klompen, M.S. Araújo, M.V. Orlova, M. Fajfer, M. Akyol, Salih Doğan, S. Doğan, M. Zmudzinski, E.A.Ueckermann, A. Khaustov, Fan Quing-Hai, L.F.d.O. Bernardi, J. Noei, M. Hakimitabar, A. Labrzycka, J. Makol, P.B. Klimov, I. Dimov.

ACARORUM CATALOGUS

X

The tenth and last volume of this series "Acarorum Catalogus" is devoted to the Superfamilies Labidostommatoidea (Labidostommataceae), Eupodoidea (Eupodidae, Dendrochaetidae, Rhagidiidae, Eriorhynchidae, Pentapalpidae, Penthlodidae, Penthaleidae, Strandtmanniidae), Tydeoidea (Ereynetidae), Paratydeoidea (Paratydeidae), Anystoidea (Anystidae, Erythracaridae, Teneriffiidae, Pseudocheylidae, Stigmocheylidae), Caeculoidea (Caeculidae), Adamystoidea (Adamystidae), and Pomerantzioidea (Pomerantziidae). About 230 genera and 967 species of mites 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. Follows a supplement to the former nine volumes. The entire series contains data on 102 families, 1222 genera, and 8815 species of mites.

