



***To the memory of Karl LANG,
for the fiftieth anniversary
of his "Monographie der Harpacticiden"***

Preceding page: The portrait of Karl Lang (°21 July 1901-†14 March 1976) reproduced here from a photograph taken by Dr. Andres Warén, is exhibited in the entrance hall of the Department of Invertebrate Zoology in the Swedish Museum of Natural History.

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- Gutu, M., 1977. Karl Georg Herman Lang 1901-1976. *Travaux du Muséum d'histoire naturelle Gr. Antipa*. 17: 411-412.
- Karling, T., 1978. Lang, Karl Georg Herman. *Svenskt biografiskt lexikon*. pp: 244-246.

SUMMARY¹

Introduction.....	11	<i>Tetanopsis</i> Brady	36
Taxonomic analysis	15	<i>Halophytophilus</i> Brian	36
Fam. LONGIPEDIIDAE Sars, Lang	15	<i>Bradyellopsis</i> Brian	36
<i>Longipedia</i> Claus.....	15	<i>Arenosetella</i> Wilson	36
Fam. CANUELLIDAE Lang	17	<i>Hastigerella</i> Nicholls	38
<i>Sunaristes</i> Hesse	17	<i>Pseudectinosoma</i> Kunz	39
<i>Canuella</i> T. & A. Scott	17	<i>Ectinosomoides</i> Nicholls	39
<i>Brianola</i> Monard	18	<i>Noodtiella</i> Wells	39
<i>Canuellina</i> Gurney	18	<i>Lineosoma</i> Wells	40
<i>Canuellopsis</i> Lang	19	<i>Oikopus</i> Wells	40
<i>Ellucana</i> Sewell	19	<i>Peltobradya</i> Médioni & Soyer	40
<i>Ifanella</i> Vervoort	19	<i>Klieosoma</i> Hicks & Schriever	40
<i>Scottolana</i> Por	19	Fam. NEOBRADYIDAE Olofsson	41
<i>Galapacanuella</i> Mielke	20	<i>Neobradya</i> T Scott	41
<i>Intercanuella</i> Becker & Schriever	20	<i>Antarcticobradya</i> Huys	41
<i>Parasunaristes</i> Fiers	20	<i>Marsteinia</i> Drzycimski	41
<i>Elanella</i> Por	21	Fam. DARCYTHOMPSONIIDAE Lang	42
<i>Coullana</i> Por	21	<i>Leptocaris</i> T. Scott	42
<i>Nathaniella</i> Por	21	<i>Darcythompsonia</i> T. Scott	44
<i>Microcanuella</i> Mielke	21	<i>Kristensenia</i> Por	44
<i>Intersunaristes</i> Huys	21	Fam. TACHIDIIDAE Sars, Lang	45
<i>Echinosunaristes</i> Huys	21	<i>Tachidius</i> Lilljeborg	45
Fam. AEGISTHIDAE Giesbrecht	22	<i>Tachidius</i> Shen & Tai	45
<i>Aegisthus</i> Giesbrecht	22	<i>Neotachidius</i> Shen & Tai	45
Fam. CERVINIIDAE Sars, Lang	23	<i>Microarthridion</i> Lang	45
<i>Cervinia</i> Norman	23	<i>Cithadius</i> Bowman	46
<i>Eucanuella</i> T. Scott	24	<i>Geeopsis</i> Huys	46
<i>Cerviniella</i> Smirnov	24	Fam. EUTERPINIDAE Brian	47
<i>Paracerviniella</i> Brodskaya	24	<i>Euterpina</i> Norman	47
<i>Expansicervinia</i> Montagna	24	Fam. THOMPSONULIDAE Lang	47
<i>Pontostratiotes</i> Brady	24	<i>Thompsonula</i> T. Scott	47
<i>Hemicervinia</i> Lang	26	<i>Caribbula</i> Huys & Gee	47
<i>Cerviniopsis</i> Sars	26	Fam. HARPACTICIDAE Sars	48
<i>Herdmaniopsis</i> Brodskaya	26	<i>Harpacticus</i> Milne-Edwards	48
<i>Stratiopontotes</i> Soyer	27	<i>Tigriopus</i> Norman	50
<i>Tonpostratiotes</i> Itô	27	<i>Harpacticella</i> Sars	51
Fam. ROTUNDICLIPEIDAE Huys	27	<i>Perissocope</i> Brady	51
<i>Rotundiclipeus</i> Huys	27	<i>Paratigriopus</i> Itô	51
Fam. STYRACOTHORACIDAE Huys	27	<i>Harpactichechus</i> Ortiz <i>et al.</i>	51
<i>Styracothorax</i> Huys	27	<i>Zaus</i> Goodsir	51
Fam. ECTINOSOMATIDAE Sars, <i>etc.</i>	28	<i>Zausodes</i> C.B. Wilson	53
<i>Ectinosoma</i> Boeck	28	<i>Zausopsis</i> Lang	53
<i>Halectinosoma</i> Lang	29	<i>Discoharpacticus</i> Noodt	53
<i>Bradya</i> Boeck	33	Fam. TISBIDAE Stebbing, Lang	54
<i>Bradya</i> Lang	33	<i>Tisbe</i> Lilljeborg	54
<i>Parabradya</i> Lang	33	<i>Scutellidium</i> Claus	57
<i>Microsetella</i> Brady & Robertson	34	<i>Sacodiscus</i> Wilson	59
<i>Sigmatidium</i> Giesbrecht	34	<i>Bathydia</i> Farran	59
<i>Pseudobradya</i> Sars	34	<i>Tisbella</i> Gurney	59

¹ New taxa defined since the previous issue (1988) are in bold and preceded by an asterisk (*) in the text

<i>Paraidya</i> Sewell	59	<i>Dactylopusia</i> Norman	79
<i>Tisbentra</i> Sewell	60	<i>Paradactylopodia</i> Lang	81
<i>Volkmannia</i> Boxshall	60	<i>Eudactylopus</i> A. Scott	81
<i>Neotisbella</i> Boxshall	60	<i>Dactylopodopsis</i> Sars	82
<i>Drescheriella</i> Dahms <i>et al.</i>	60	<i>Dactylopusioides</i> Brian	83
<i>Zosime</i> Boeck	60	<i>Neodactylopus</i> Nicholls	83
<i>Idyella</i> Sars	61	<i>Paramenophia</i> Lang	83
<i>Tachidiella</i> Sars	61	<i>Sewellia</i> Lang	83
<i>Idyanthe</i> Sars	61	<i>Dactylophia</i> Becker	83
<i>Tachidiopsis</i> Sars	61	<i>Idomene</i> Philippi	84
<i>Idyellopsis</i> Lang	62	<i>Pseudotachidius</i> T. Scott	84
<i>Neoscutellidium</i> Zwerner	62	<i>Dactylopodella</i> Sars	85
<i>Peresime</i> Dinet	62	<i>Donsiella</i> Stephensen	85
<i>Cholidya</i> Farran	62	<i>Pseudonsiella</i> Hicks	86
<i>Cholidyella</i> Avdeev	62	<i>Apodonsiella</i> Hicks	86
<i>Brescianiana</i> Avdeev	63	<i>Xylora</i> Hicks	86
<i>Tripartisoma</i> Avdeev	63	<i>Oligoxylora</i> Hicks	86
<i>Yunona</i> Avdeev	60	Fam. AMBUNGUIPEDIIDAE Huys	87
<i>Octopinella</i> Avdeev	60	<i>Ambunguipes</i> Huys	87
<i>Avdeevia</i> Bresciani & Lützen	63	<i>Lucayostratiotes</i> Huys	87
<i>Idyanthopsis</i> Bocquet & Bozic	63	Fam. HAMONDIIDAE Huys	87
Fam. SUPERORNATIREMIDAE Huys	64	<i>Hamondia</i> Huys	87
<i>Neoechinophora</i> Huys	64	Fam. BALAEOPHILIDAE Sars	87
<i>Superornatiremis</i> Huys	64	<i>Balaenophilus</i> Aurivillius	87
<i>Intercrusia</i> Huys	64	Fam. PARASTENHELIIDAE Lang	88
Fam. PORCELLIDIIDAE Sars	65	<i>Parastenhelia</i> Thomp. & A. Scott	88
<i>Porcellidium</i> Claus	65	Fam. DIOSACCIDAE Sars	89
<i>Acutiramus</i> Harris & Robertson	67	<i>Stenhelia</i> Boeck	89
<i>Tectacingulum</i> Harris	67	<i>Stenhelia</i> Lang	89
<i>Murramia</i> Harris	67	<i>Delavalia</i> Brady	89
<i>Kioloaria</i> Harris	67	<i>Diosaccus</i> Boeck	92
<i>Brevifrons</i> Harris	67	<i>Antiboreodiosaccus</i> Lang	93
<i>Clavigofera</i> Harris & Iwasaki	67	<i>Pseudodiosaccopsis</i> Lang	93
<i>Kushia</i> Harris & Iwasaki	68	<i>Robertsonia</i> Brady	93
Fam. PELTIDIIDAE Sars	69	<i>Amphiascus</i> Sars	94
<i>Peltidium</i> Philippi	69	<i>Amphiascopsis</i> Gurney	97
<i>Alteutha</i> Baird	69	<i>Dactylopodamphiascopsis</i> Lang	97
<i>Eupelte</i> Claus	70	<i>Amonardia</i> Lang	97
<i>Parapeltidium</i> A. Scott	71	<i>Pseudamphiascopsis</i> Lang	98
<i>Alteuthellopsis</i> Lang	71	<i>Metamphiascopsis</i> Lang	98
<i>Neopeltopsis</i> Hicks	71	<i>Paramphiascopsis</i> Lang	99
<i>Alteuthoides</i> Hicks	71	<i>Bulbamphiascus</i> Lang	99
Fam. CLYTEMNESTRIDAE A. Scott	72	<i>Robertgurneya</i> Lang	100
<i>Clytemnestra</i> Dana	72	<i>Typhlamphiascus</i> Lang	101
Fam. TEGASTIDAE Sars	72	<i>Rhyncholagena</i> Lang	102
<i>Tegastes</i> Norman	72	<i>Amphiascoides</i> Nicholls	102
<i>Parategastes</i> Sars	73	<i>Paramphiascella</i> Lang	103
<i>Syngastes</i> Monard	74	<i>Haloschizopera</i> Lang	105
<i>Feregastes</i> Fiers	74	<i>Schizopera</i> Sars	106
<i>Arawella</i> Cottarelli & Baldari	74	<i>Schizopera</i> Apostolov	106
Fam. THALESTRIDAE Sars, Lang	75	<i>Neoschizopera</i> Apostolov	108
<i>Thalestris</i> Claus	75	<i>Eoschizopera</i> Wells & Rao	109
<i>Amenophia</i> Boeck	75	<i>Eoschizopera</i> Apostolov	109
<i>Parathalestris</i> Brady & Robertson ...	75	<i>Praeoschizopera</i> Apostolov	109
<i>Phyllothalestris</i> Sars	76	<i>Ialysus</i> Brian	110
<i>Rhynchothalestris</i> Sars	77	<i>Teissierella</i> Monard	110
<i>Peltthestrus</i> Monard	77	<i>Parialysus</i> Nicholls	110
<i>Diarthrodes</i> Thomson	77	<i>Psammotopa</i> Pennak	111
		<i>Cladorostrata</i> Shen & Tai	111

<i>Pholenota</i> Vervoort	111	Fam. PARAMESOCHRIDAE Lang	134
<i>Pseudostenhelia</i> Wells	111	<i>Paramesochra</i> T. Scott	134
<i>Paramphiascoides</i> Wells	112	<i>Leptopsyllus</i> T. Scott	135
<i>Actopsyllus</i> Wells	112	<i>Leptopsyllus</i> Kunz	135
<i>Schizoperoides</i> Por	112	<i>Paraleptopsyllus</i> Lang	136
<i>Protopsamnotopa</i> Geddes	112	<i>Remanea</i> Klie	136
<i>Balucopsylla</i> Rao	112	<i>Apodopsyllus</i> Kunz	136
<i>Helmutkunzia</i> Wells & Rao	112	<i>Kliopsyllus</i> Kunz	137
<i>Onychostenhelia</i> Itô	112	<i>Scottopsyllus</i> Kunz	140
<i>Miscegenus</i> Wells, Hicks & Coull..	112	<i>Scottopsyllus</i> Kunz	140
<i>Schizoperopsis</i> Apostolov	113	<i>Intermedopsyllus</i> Kunz	140
<i>Schizoperopsis</i> Apostolov	113	<i>Wellsopsyllus</i> Kunz	141
<i>Psammoschizoperopsis</i> Apost. ...	113	<i>Kunzia</i> Wells	141
Fam. MIRACIIDAE Dana	114	<i>Caligopsyllus</i> Kunz	141
<i>Miracia</i> Dana	114	<i>Biuncus</i> Huys	141
<i>Oculosetella</i> Dahl	114	<i>Meiopsyllus</i> Cottarelli & Forniz	141
<i>Macrosetella</i> A. Scott	114	<i>Diarthrodella</i> Klie	142
<i>Distiocus</i> Huys <i>et al.</i>	114	<i>Tisbisoma</i> Bozic	142
Fam. METIDAE Sars	115	<i>Rossopsyllus</i> Soyer	143
<i>Metis</i> Philippi	115	Fam. TETRAGONICIPITIDAE Lang ...	144
<i>Laubieria</i> Soyer	115	<i>Tetragoniceps</i> Brady	144
Fam. AMEIRIDAE Monard, Lang	116	<i>Phyllopodopsyllus</i> T. Scott	145
<i>Ameira</i> Boeck	116	<i>Pteropsyllus</i> T. Scott	148
<i>Proameira</i> Lang	118	<i>Diagoniceps</i> Willey	148
<i>Nitocra</i> Boeck.....	119	<i>Laophontella</i> Thomp. & A. Scott ...	148
<i>Psyllocamptus</i> T. Scott	121	<i>Oniscopsis</i> Chappuis	149
<i>Psyllocamptus</i> Kunz	122	<i>Protogoniceps</i> Por	149
<i>Langpsyllocamptus</i> Kunz	122	<i>Paraschizopera</i> Wells	149
<i>Ameiropsis</i> Sars	122	<i>Aigondiceps</i> Fiers	150
<i>Pseudameira</i> Sars	123	<i>Odaginiceps</i> Fiers	150
<i>Leptomesochra</i> Sars	123	<i>Godianiceps</i> Fiers	150
<i>Nitocrella</i> Chappuis	124	Fam. CANTHOCAMPTIDAE Sars, <i>etc.</i>	151
<i>Sarsameira</i> Wilson	125	<i>Mesochra</i> Boeck	151
<i>Sicameira</i> Klie	126	<i>Itunella</i> Brady	153
<i>Psammameira</i> Noodt	126	<i>Pholetiscus</i> Humes	153
<i>Karllangia</i> Noodt	126	<i>Ophirion</i> Por	154
<i>Pseudoleptomesochra</i> Lang	127	<i>Psammocamptus</i> Mielke	154
<i>Pseudoleptomesochrella</i> Lang	127	<i>Heteropsyllus</i> T. Scott	154
<i>Interleptomesochra</i> Lang	127	<i>Hemimesochra</i> Sars	155
<i>Parapseudoleptomesochra</i> Lang	128	<i>Nannomesochra</i> Gurney	155
<i>Praeleptomesochra</i> Lang	129	<i>Parepactophanes</i> Kunz	155
<i>Parevansula</i> Guille & Soyer	129	<i>Mesopsyllus</i> Por	155
<i>Paraleptomesochra</i> Wells	130	<i>Poria</i> Lang	155
<i>Parameiropsis</i> Becker.....	130	<i>Dahlakia</i> Por	155
<i>Limameira</i> Soyer	130	<i>Bathycamptus</i> Huys & Thistle	155
<i>Stygonitocrella</i> Petkovski	130	<i>Boreolimella</i> Huys & Thistle	156
<i>Nitocrellopsis</i> Petkovski	130	<i>Perucamptus</i> Huys & Thistle	156
<i>Ameiropsyllus</i> Bodin	130	<i>Pusillargillus</i> Huys & Thistle	156
<i>Pseudoameiropsis</i> Pallares	131	<i>Amphibiperita</i> Fiers & Rutledge ...	156
<i>Psammonitocrella</i> Rouch	131	<i>Cylindropsyllus</i> Brady	156
<i>Psammoleptomesochra</i> Mielke	131	<i>Evansula</i> T. Scott	157
<i>Stenocopia</i> Sars	131	<i>Stenocaris</i> Sars	157
<i>Malacopsyllus</i> Sars	132	<i>Cylinula</i> Coull	158
<i>Anoplosoma</i> Sars	132	<i>Boreopontia</i> Willems	158
<i>Haifameira</i> Por	132	<i>Stenocaropsis</i> Apostolov	158
Fam. CANCRINCOLIDAE Fiers	133	<i>Willemsia</i> Huys & Conroy-Dalton ..	158
<i>Cancrincola</i> Wilson	133	<i>Navalonia</i> Huys & Conroy-Dalton .	159
<i>Antillesia</i> Humes	133	<i>Cletocamptus</i> Schmankevitch	159
<i>Abscondicola</i> Fiers	133	Fam. ORTHOPSYLLIDAE Huys	160
		<i>Orthopsyllus</i> Brady & Robertson	160

<i>Dionyx</i> Huys	161	<i>Fladenia</i> Gee & Huys	184
<i>Infrapedia</i> Huys	161	<i>Telopsammis</i> Gee & Huys	185
Fam. LEPTOPONTIIDAE Lang, etc.	162	<i>Archisenia</i> Huys & Gee	185
<i>Leptopontia</i> T. Scott	162	<i>Bathypsammis</i> Huys & Gee	185
<i>Arenopontia</i> Kunz	163	<i>Mucrosenia</i> Gee & Huys	185
<i>Arenopontia</i> Nicholls	163	<i>Sentiropsis</i> Huys & Gee	185
<i>Neoleptastacus</i> Nicholls	164	<i>Peltisenia</i> Huys & Gee	185
<i>Pararenopontia</i> Bodiou & Colom.	165	<i>Afrosenia</i> Huys & Gee	186
<i>Psammopsyllus</i> Nicholls	165	<i>Prionos</i> Huys & Gee	186
<i>Sewellina</i> Krishnaswamy	166	<i>Anapophysia</i> Huys & Gee	186
<i>Ichnusella</i> Cottarelli	166	Fam. HUNTEMANNIIDAE Por	186
<i>Notopontia</i> Bodiou	166	<i>Nannopus</i> Brady	186
<i>Syrticola</i> Willems & Claeys	166	<i>Huntemannia</i> Poppe	186
<i>Parasewellina</i> Cottarelli <i>et al.</i>	167	<i>Metahuntemannia</i> Smirnov	187
<i>Prosewellina</i> Mielke	167	<i>Talpina</i> Dahms & Pottek	188
Fam. LEPTASTACIDAE Lang, Huys	168	Fam. RHIZOTHRICIDAE Por	188
<i>Leptastacus</i> T. Scott	168	<i>Rhizothrix</i> Brady & Robertson	188
<i>Paraleptastacus</i> Wilson	168	<i>Tryphoema</i> Monard	189
<i>Psammastacus</i> Nicholls	170	Fam. ARGESTIDAE Por	190
<i>Arenocaris</i> Nicholls	170	<i>Fultonina</i> T. Scott	190
<i>Arenotopa</i> Chappuis & Rouch	170	<i>Mesocletodes</i> Sars	190
<i>Neopsammastacus</i> Cottarelli <i>et al.</i>	170	<i>Eurycletodes</i> Sars	192
<i>Minervella</i> Cottarelli & Venan.	171	<i>Eurycletodes</i> Lang	192
<i>Psamathea</i> Cottarelli & Venan.	171	<i>Oligocletodes</i> Lang	192
<i>Afroleptastacus</i> Huys	171	<i>Argestes</i> Sars	193
<i>Archileptastacus</i> Huys	171	<i>Leptocletodes</i> Sars	193
<i>Belemnopontia</i> Huys	172	<i>Argestigens</i> Willey	193
<i>Cerconeotes</i> Huys	172	<i>Odiliacletodes</i> Soyer	193
<i>Membranastacus</i> Huys	173	<i>Corallicletodes</i> Soyer	193
<i>Schizothrix</i> Huys	173	<i>Hypalocletodes</i> Por	193
<i>Sextonis</i> Huys	173	<i>Neoargestes</i> Drzycimski	194
Fam. LOURINIIDAE Monard	174	<i>Dizahavia</i> Por	194
<i>Lourinia</i> Wilson	174	<i>Megistocletodes</i> Por	194
Fam. CLETODIDAE T. Scott, Por	175	<i>Austrocletodes</i> Pallares	194
<i>Cletodes</i> Brady	175	<i>Pontocletodes</i> Apostolov	194
<i>Enhydrosoma</i> Boeck	176	<i>Rosacletodes</i> Wells	194
<i>Limnocletodes</i> Borutzky	178	<i>Actinocletodes</i> Fiers	194
<i>Stylicletodes</i> Lang	178	Fam. ADENOPLEURELLIDAE Huys	195
<i>Enhydrosomella</i> Monard	179	<i>Sarsocletodes</i> Wilson	195
<i>Monocletodes</i> Lang	179	<i>Miroslavia</i> Apostolov	195
<i>Acrenhydrosoma</i> Lang	179	<i>Adenopleurella</i> Huys	195
<i>Australonannopus</i> Hamond	179	<i>Proceropes</i> Huys	195
<i>Barbaracletodes</i> Becker <i>et al.</i>	179	Fam. LAOPHONTIDAE T. Scott	196
<i>Scintis</i> Por	180	<i>Laophonte</i> Philippi	196
<i>Intercletodes</i> Fiers	180	<i>Pseudonychocamptus</i> Lang	199
<i>Kollerua</i> Gee	180	<i>Heterolaophonte</i> Lang	200
<i>Strongylacron</i> Gee & Huys	180	<i>Paronychocamptus</i> Lang	201
<i>Schizacron</i> Gee & Huys	180	<i>Paralaophonte</i> Lang	202
Fam. PARANANNOPIDAE Por	181	<i>Asellopsis</i> Brady & Robertson	203
<i>Paranannopus</i> Lang	181	<i>Platychelipus</i> Sars	204
<i>Pseudomesochra</i> T. Scott	182	<i>Esola</i> Edwards	204
<i>Cylindronannopus</i> Coull	182	<i>Pseudolaophonte</i> A. Scott	205
<i>Danielssenia</i> Boeck	183	<i>Onychocamptus</i> Daday	205
<i>Jonesiella</i> Brady	183	<i>Laophontina</i> Norman & T. Scott....	205
<i>Psammis</i> Sars	183	<i>Harrietella</i> T. Scott	206
<i>Paradanielssenia</i> Soyer	184	<i>Hemilaophonte</i> Jakubisiak	206
<i>Leptotachidia</i> Becker	184	<i>Echinolaophonte</i> Nicholls.....	206
<i>Micropsammis</i> Mielke	184	<i>Pilifera</i> Noodt	207
<i>Carolinicola</i> Huys & Thistle	184	<i>Mourephonte</i> Jakobi	207

<i>Loureiophonte</i> Jakobi	207	Fam. CRISTACOXIDAE Huys	216
<i>Mictyricola</i> Nicholls	208	<i>Noodtorthopsyllus</i> Lang	216
<i>Klieonychocamptoides</i> Noodt	208	<i>Cubanocleta</i> Petkovski	216
<i>Klieonychocamptus</i> Noodt	208	<i>Cristacoxa</i> Huys	216
<i>Afroloaophonte</i> Chappuis	209	Fam. NORMANELLIDAE Lang, <i>etc.</i> ..	217
<i>Microloaophonte</i> Vervoort	210	<i>Normanella</i> Brady	217
<i>Arenolaophonte</i> Lang	210	<i>Cletopsyllus</i> Willey	218
<i>Stygolaophonte</i> Lang	210	<i>Pseudocletopsyllus</i> Vervoort	218
<i>Psammolaophonte</i> Wells	210	<i>Pseudocleta</i> Lang	218
<i>Tapholeon</i> Wells	210	Fam. ANCORABOLIDAE Sars, Lang ..	219
<i>Apolethon</i> Wells	210	<i>Laophontodes</i> T. Scott	219
<i>Platylaophonte</i> Bodin	210	<i>Probosciphontodes</i> Fiers	219
<i>Coullia</i> Hamond	210	<i>Echinopsyllus</i> Sars	220
<i>Hoplolaophonte</i> Hamond	211	<i>Ceratonotus</i> Sars	220
<i>Phycolaophonte</i> Pallares	211	<i>Arthropsyllus</i> Sars	220
<i>Mexicolaophonte</i> Cottarelli	211	<i>Echinocletodes</i> Lang	220
<i>Namakosiramia</i> Ho & Perkins	211	<i>Paralaophontodes</i> Lang	220
<i>Galapalaophonte</i> Mielke	211	<i>Dorsiceratus</i> Drzycimski	221
<i>Quinquelaophonte</i> Mielke	212	<i>Patagoniaella</i> Pallares	221
<i>Novolaophonte</i> Cottarelli <i>et al.</i>	212	<i>Tapholaophontodes</i> Soyer	221
<i>Chilaophonte</i> Mielke	213	<i>Algensiella</i> Cottarelli & Baldari	221
<i>Maiquilaophonte</i> Mielke	213	Fam. LATIREMIDAE Bozic	221
<i>Lipomelum</i> Fiers	213	<i>Delamarella</i> Chappuis	221
<i>Indolaophonte</i> Cottarelli <i>et al.</i>	213	<i>Latiremus</i> Bozic	221
<i>Langia</i> Wells & Rao	213	<i>Arbutifera</i> Huys & Kunz	222
<i>Raptolaophonte</i> Cottarelli <i>et al.</i>	213	<i>Protolatiremus</i> Itô	222
<i>Folioquinpes</i> Fiers & Rutledge	213	Harpacticoida gen. et fam. <i>incertae sedis</i> ..	222
<i>Xanthilaophonte</i> Fiers	214	<i>Goffinella</i> Wilson	222
<i>Wellsiphontina</i> Fiers	214	<i>Pyrocletodes</i> Coull	222
<i>Amerolaophontina</i> Fiers	214	References	223
<i>Robustunguis</i> Fiers	214	Index	263
<i>Elapholaophonte</i> Schizas <i>et al.</i>	214	Appendix	299
<i>Archilaophonte</i> Willen	214		
<i>Cornylaophonte</i> Willen	214		
<i>Weddellaophonte</i> Willen	215		
Fam. LAOPHONTOPSIDAE Huys <i>et al.</i> ..	215		
<i>Laophontopsis</i> Sars	215		
<i>Aculeopsis</i> Huys & Willems	215		
<i>Telodocus</i> Huys & Willems	215		

INTRODUCTION

1948....1997: forty-nine years ago Karl Lang's precious '*Monographie der Harpacticiden*' was published. Now, on the eve of the 50th anniversary of the appearance of the monograph, the present version of my catalogue intends to honor Lang's masterpiece which until today still assists everyone to find their way in harpacticoid taxonomy.

Karl Lang started the compilation of the monograph in 1936 and finished the manuscript in 1944. Given the difficult circumstances after the second world war, it took 4 years to print the two volumes. Aware of this long delay, Lang published a preliminary account of the monograph in 1944 (Almquist & Wiksells Boktryckeri, Uppsala, 19 february 1944) in which he presented his systematic framework of the Harpacticoida. In less than 40 pages, Lang defined the sections (presently suborders) **Polyarthra** and **Oligoarthra**, and their subdivisions in sub-sections, and superfamilies. Furthermore he re-diagnosed most known families, defined families (**Canuellidae**, **Paramesochridae**, **Tetragonicipitidae**) and several subfamilies, genera, subgenera, and species groups which served as a guideline for half a century.

However, after the publication of the two volumes of his monograph, this 1944 account has been generally neglected. Even Lang did not make reference to his earlier work anymore and confused the scientific world by the use of notations as *fam. nov.*, *genus nov.*, etc., and by the regrettable lack of type-species designation in the monograph. Consequently, references to taxa defined by Lang often received 1948 as a date, while the correct date is 1944. Because the 1944 paper of K. Lang became a curiosa and is not that easy to obtain, the whole list of taxa Lang dealt with is presented here in an appendix at the end of this catalogue.

In the past half a century our knowledge on diversity and systematics of harpacticoid copepods has tremendously been enriched. In **887 papers**, **17 families** and **295 genera** were defined, and more than **2000 species** or subspecies (exactly 2031) were described. Some of them (205 species, 14 genera) turned out to be junior synonyms or remain doubtful. Moreover, the description of many previously known species was amended and some were even completely redescribed. Many identification keys were updated. The genus *Phyllopodopsyllus* was enriched with 53 new species or subspecies, the genus *Tisbe* with 44, the genus *Schizopera* with 42, the genus *Halectinosoma* with 40, the genus *Kliopsyllus* with 34, etc... Finally, the taxonomy of some genera and families (mainly the Paramesochridae, the Cylindropsyllidae, the Cletodidae, the Laophontidae) was profoundly modified, and the synonymy became more and more cluttered; in some cases to such an extent that it is now difficult, indeed impossible, for a non-specialist to give a harpacticoid specimen a name without taking the risk to see his identification being erroneous and unusable.

My first catalogue, edited thirty years ago (1967), gave a rather incomplete inventory of synonyms and species described since the appearance of Lang's monograph. The successive additions, issued in 1971, 1973 and 1976, respectively, completed and amended the initial edition. From 1979 onwards, it became clear that it was much more logical to unify the previous editions in a single handy and updated volume. Now in 1997, in the 9 years since the latest edition (1988), **172 papers** completely or partially devoted to harpacticoid systematics have been published. Within this timespan, **12 new families** and **79 new genera** were created, and **263 new species** and/or **subspecies** were described.

The continuous stream of new taxa and amendments to the morphology of previously known species demanded another approach to present this new version of my catalogue. Apart from this printed version, the catalogue, compiled in MS WORD v 6.0, is now also available on diskette and by e-mail, allowing the user a personal and easy updating. I take this opportunity to again thank all the authors who sent me reprints of their papers, often with their encouragements to continue this work and, in several cases, adding their constructive criticisms. Without their help it would never have been possible to finish this work.

The frame of this new edition is identical to the previous one: the taxonomic analysis, listing all the systematic 'novelties'; followed by an index gathering all the bibliographic references; and ending with an alphabetical index of all scientific names included.

In the **taxonomic analysis** all families and genera are classified following Lang's order in his monograph, taxa more recently described following a chronological order. Names of genera created since the 1988 edition are marked with an asterisk. It is evident that all species known at the time Lang compiled his monograph are not included in the present catalogue. Only these species are included on which significant morphological and

morphological and systematical amendments (i.e. morphology, descriptions of previously unknown opposite sex, entire redescriptions, taxonomic position, etc.) appeared in the literature. A second part comprises the list of new species in chronologic order of their publication. For practical reasons, the subspecies are placed directly behind the species name. When only one sex has been described, this is indicated by the appropriate letter (**f** or **m**) behind the species name.

According to Art. 16 of the International Code of Zoological Nomenclature, the so-called 'forms' or 'varieties' created after 1960 are excluded from the zoological nomenclature, and have 'no *raison d'être*' (Pajaud, 1989). However, the catalogue includes all the names of those novelties for two reasons: (1) sometimes this rule has been ignored, and the 'forms' and 'varieties' are now currently considered as subspecies, and (2) some 'forms' and 'varieties' have been raised to species rank after their initial description. As such, it was considered necessary to mention herein all taxonomic acts published on harpacticoid copepod systematics.

The special problem of the species outstandingly described by K.H. Becker in his thesis (1972) was largely resolved: W. Noodt, G. Schriever and H. Kunz published most of them in a series of papers posthumously joined with the late Karl Becker. However, some other new species of Becker remain unpublished (without explanation from those co-authors); I mentioned them in this catalogue in case they should be found again. All the doubtful species and formae (whatever their '*raison d'être*') or those of which the systematic status is still uncertain, were gathered at the end of each genus in a third paragraph. References to useful **keys** for identification of genera and species, as well as references to tables with the setal formulae are given directly behind the family or genus name.

With regard to the **synonymy**, it was often impossible for me to settle between conflicting opinions as I had not always the possibility to check the author's assertions. In most cases I confined myself to Lang's advice or to that of the most recent or the best documented reviewer.

Considering the huge amount of papers to consult, **freshwater** harpacticoid copepods were deliberately excluded from the present analysis, except for some genera which also contain marine representatives. As such the remarkable freshwater copepod family, Gelyellidae, described by Rouch & Lescher-Moutoué in 1977 is not included anymore. In contrast, harpacticoids found in **brackish water** (generally in estuaries) are included, as well as those living in close association with other invertebrates and with vertebrates as they may be found free-living in the open sea.

The second part of this work compiles the **bibliographic references** cited in the taxonomic analysis, except for those that were cited in Lang's monograph. Although his monograph was theoretically up to date in 1944, some references prior to this date do not appear in it; so they were added here. The year following the author's name is the one of the **true** date of appearance of the paper (as far as it was known or could be deduced). Evidently, this is the only date to be considered in discussions about priority (International Code of Zoological Nomenclature). For example, Lang's (1948) references to 'Boeck, 1864' is actually Boeck, 1865 and to 'T. Scott, 1904' is T. Scott, 1905; etc.

Finally, an **alphabetic index** comprises the names (in meaningful characters) of previous and new species, currently accepted or still uncertain, as well as synonyms. This index will allow the user to quickly find everything related to any species in the taxonomic analysis.

In conclusion, it is a heartwarming feeling to see that systematic studies on harpacticoid copepods appear at regular intervals and take a vast place in the systematic literature. Moreover, since Lang's monograph appeared 50 years ago, the accuracy and refinement of the descriptions have reached tremendously high levels, despite the rather low consideration generally attributed to this discipline within the scientific community.

This quantity and quality in observations as displayed in the last decades must be continued and largely encouraged, even if this leads to an impressive increase of the number of species. An ideal solution would be to systematically conduct crossbreeds under laboratory conditions in order to isolate 'true' species, as recommended by K. Lang (1965b). Such approaches can unequivocally reveal the existence of 'sibling species', as was demonstrated by B. Volkmann for the genus *Tisbe*. New developments and refinements in genetic analyses will certainly become important in the near future. This largely unexplored domain (but see: Gabrich *et al.*, 1991; Steinbrück *et al.*, 1991) will offer copepod systematics further possibilities to corroborate or falsify the hypotheses formulated in the past. But, apart from those modern and promising techniques, the rebirth of a century old interest in ultra-structural comparative morphology (i.e. Hosfeld, 1996), linked to a profound functional analysis, will provide us not only with the so needed basis to forward accurate hypotheses on the historical relationships, but also with a deeper understanding of the role and function of the harpacticoids in their

natural environment. Whatever the costs of systematic analyses, they remain the very basis for every ecological and biological study.

At last, I wish to thank K. Sindemark (S.M.N.H., Stockholm) for providing me with portraits of K. Lang. I wish also to warmly thank F. Fiers for his precious help in finalizing this English version and the Royal Belgian Institute of Natural Sciences to take charge of publishing a hard copy of this work. Of course, I am conscious of the short-lived character of such an undertaking: "*Dans un travail de la nature de ce catalogue, il y a toujours des imperfections, des oublis, des erreurs et des confusions, malgré tout le soin qu'on puisse apporter à le rédiger. Ce sera l'oeuvre de l'avenir de perfectionner cet essai. Mais, tel que nous l'aurons bâti, nous pensons qu'il rendra de précieux services aux zoologistes spécialisés dans l'étude de ce groupe. Et ceci justifie largement les efforts et le travail qu'il nous aura coûtés*" (Rose & Vaissière, 1952: *Catalogue préliminaire des Copépodes de l'Afrique du Nord*).

Brest, 25th August 1997

TAXONOMIC ANALYSIS

Huys *et al.* (1996) recently published the first part of a synopsis on marine and brackish water harpacticoid copepods from northwestern Europe. They provide keys and diagnoses (with illustrations) to families, genera and species known from the region extending from Bergen to Brest and from Hamburg to the British Islands.

Fam. LONGIPEDIIDAE Sars, 1903 (part.) *sensu* Lang, 1948

Genus *Longipedia* Claus, 1863

Genus revised by Wells, 1980.

Longipedia coronata Claus, 1863

Gonzales & Bowman (1965) proposed the selection of a neotype for *L. coronata* Claus from specimens described by Sars (1903) in order to 'legalize' the original reference to the latter rather than to Claus' description which was considered too inaccurate; but see Wells (1980) for discussion.

Synonymy: Kunz (1971b) considered the identification of Becker (1970) as the only correct one along the German coasts. According to Wells (1980), *L. weberi* A. Scott *sensu* Monard (1928) is probably synonymous with *L. coronata*.

Amendments: Nicholls, 1941a; Carvalho, 1952a (?); Pesta, 1959.

Redescription: Wells, 1980.

Longipedia minor T. & A. Scott, 1893

Amendments: Apostolov & Marinov, 1988.

Redescription: Wells, 1980: who assumed that *Longipedia* sp. Vilela (1965), *L. coronata* Claus *sensu* Norman (1869) and *sensu* Pesta (1959) are synonymous with this species,

Longipedia scotti Sars, 1903

Synonyms: *L. weberi* A. Scott (m) *sensu* Wells (1964), after Wells, 1980; this author supposed that *L. longispina* Monard (1928) and *L. australica* Nicholls (1941a) are synonyms of this species.

Redescription: Wells, 1980.

Longipedia rosea Sars, 1903

Amendments: Candeias, 1959.

Species considered as '*nomen dubium*' by Wells, 1980.

Longipedia weberi A. Scott, 1909

Description of the male: Itô, 1980b.

Amendments: Sewell, 1940.

Redescription: Itô, 1973 and 1980b; Wells, 1980. Itô (1980b) discussed the synonymy of *L. weberi*.

Longipedia brevispinosa Gurney, 1927

Redescription: Wells, 1980.

*Species novae****Longipedia helgolandica* Klie, 1949**

Synonyms: *L. minor helgolandica* Klie, 1949 (after Gonzales & Bowman, 1965 and Wells, 1980)

L. weberi A. Scott *sensu* Bodin, 1970, 1979b and 1979c (after Wells, 1980)

L. rosea Sars *sensu* Bodin, 1970, 1972a, 1972b, 1977b and 1979b (after Wells, 1980).

Amendments: Bodin, 1970 (as *L. weberi*); Yeatman, 1976.

Redescription: Gonzales & Bowman, 1965; Mielke, 1975; Wells, 1980; the latter suspects that *L. coronata* Claus *sensu* Moore (1973) is a synonym of *L. helgolandica*.

***Longipedia helgolandica santacruzensis* Mielke, 1979**

Wells (1980) discussed the possibility that this taxon is in fact a subspecies of *L. americana* Wells.

***Longipedia kikuchii* Itô, 1980b**

L. weberi A. Scott *sensu* Itô (1973) is considered (Itô, 1980b) as synonymous with this species; according to Wells (1980), *L. coronata* Claus *sensu* A. Scott (1909) probably is synonymous with this species.

***Longipedia nichollsi* Wells, 1980**

Comb. nov. (Wells, 1980) for *L. coronata* Claus, 1863 *sensu* Nicholls, 1941a.

Longipedia andamanica* Wells, 1980**Longipedia andamanica nipponica* Itô, 1985*****Longipedia americana* Wells, 1980**

Synonyms: According to Wells (1980) *L. coronata* Claus *sensu* Williams (1906), *sensu* Fish (1925) and *sensu* Wilson (1932) are synonymous. The conspecificity is nearly certain for *L. coronata* Claus *sensu* King (1950); but is more doubtful for *L. coronata* Claus *sensu* Carvalho (1952a).

Amendments: Onbé, 1984.

***Longipedia spinulosa* Itô, 1981**

Species close to *L. weberi* and *L. coronata*, after Itô (1981).

*Species incertae****Longipedia ferox* Kritzagin, 1873 (after Wells, 1980)*****Longipedia pontica* Kritzagin, 1877 (after Wells, 1980)**

Por (1960a) thought that *L. minor* T. & A. Scott (1893) is probably a synonym of this species, although it has been reported as *L. pontica* by Marinov (1974b) along the Black Sea coasts.

Amendments: Apostolov, 1972 (who considered *L. minor* T. & A. Scott as a synonym of it) and 1973b; Wells (1980) considered Apostolov's material to be *L. minor*.

***Longipedia mourei* Jakobi, 1954b**

Could be a synonym of *L. americana* Wells, after Wells (1980).

***Longipedia pirkos* Apostolov, 1972**

Synonym: *L. pontica* Apostolov, 1969b (preoccupied name).

***Longipedia* sp. (f) Fiers, 1984c**

Fam. CANUELLIDAE Lang, 1944

Por (1967) reviewed the family and defined the new genus, *Scottolana*. In this review, the features 'Ist thoracal segment fused' and 'Ist thoracal segment free' are considered of secondary importance to distinguish the taxa; the number of pereopod segments seems more useful and natural to distinguish the genera. Most authors adopted this classification. In a more recent review of the **Canuellidae**, Por (1984) created several new genera.

Key to the genera: Huys, 1995c.

Genus *Sunaristes* Hesse, 1867

Hamond (1973e) gave a key to the four species he considered as valid (*S. paguri* Hesse, *S. dardani*, *S. inaequalis*, *S. tranteri*) and suggested a synonymy for the other known species in this genus.

Sunaristes paguri Hesse, 1867

Amendments: Apostolov & Marinov, 1988.

*Species novae**Sunaristes inaequalis* Humes & Ho, 1969a

Amendments: Humes, 1972.

Sunaristes tranteri Hamond, 1973e

Amendments: Humes, 1981c; Wells & Rao, 1987.

Sunaristes japonicus Ho, 1986*Species incerta**Sunaristes bulbosus* Por, 1964a

Por (1967) allocated this species to the genus *Scottolana* as *S. bulbosa* (*S. bulbosum* in table III); but reviewed (Por, 1984) his former decision concluding that the systematical status of the species remains uncertain. Hamond (1973e) considered *Sunaristes bulbosus* Por as a synonym of *S. curticaudata* (Thompson & A. Scott, 1903) *sensu* A. Scott, 1909 (as *Canuella curticaudata*). Fiers (1982), however, disproved this synonymy.

Genus *Canuella* T. & A. Scott, 1893*Canuella perplexa* T. & A. Scott, 1893

Amendments: Por, 1960a; Dussart, 1967; Bodin, 1970; Apostolov, 1972, 1973b and 1973e; Mielke, 1975; Glatzel, 1988; Apostolov & Marinov, 1988.

Canuella furcigera Sars, 1903

Amendments: Vos, 1945; Petkovski, 1955b; Por, 1960a; Apostolov, 1972 and 1973b; Glatzel, 1988; Apostolov & Marinov, 1988.

*Species nova**Canuella pontica* Apostolov, 1971b, 1973b

The 1971b paper provided only some illustrations, while the 1973b paper stressed the main differences between *C. pontica*, *C. perplexa* and *C. furcigera*. According to Por (1984) the identification needs to be restudied.

Amendments: Apostolov & Marinov, 1988.

Species incertae

Canuella indica (f) Krishnaswamy, 1957b

In his thesis, Becker (1972) erected the new genus *Indicanuella* to include this species. But, as this reference cannot be regarded as a publication (I.C.Z.N. Art. 9, § 11), the genus *Indicanuella* is not valid. Because of its incomplete description, the species was considered as doubtful by Por (1984).

Canuella brevifurca (f) Wells, 1967

According to its author, the validity of this species remains doubtful until the discovery of the male.

Canuella sp. Huys *et al.*, 1996

Genus *Brianola* Monard, 1926

Review of the genus and Key to the species: Hamond, 1973e.

Brianola stebleri Monard, (1926), 1927

Description of the male: Raibaut, 1962; Por, 1964a.

Amendments: Bodin, 1964; Petkovski, 1964b.

Species novae

Brianola exigua Por, 1967

Brianola curvirostris (f) Bozic, 1968

Brianola sydneyensis Hamond, 1973e

Amendments: Wells & Rao, 1987.

Brianola elegans Hamond, 1973e

Brianola vangoethemi Fiers, 1982

Brianola hamondi Wells & Rao, 1987

Species incerta sedis

Brianola pori Hamond, 1973e

Por (1984) advanced the opinion, that this species should be assigned to another genus.

Species incerta

Brianola sp. Huys *et al.*, 1996

Nomen nudum

Brianola minima Por, 1969a (p. 170)

Genus *Canuellina* Gurney, 1927

Canuellina insignis Gurney, 1927

Description of the male: Por, 1969a.

Species novae

Canuellina femur Por, 1967

Canuellina onchophora Por, 1967

Canuellina canalis Por, 1969a

Canuellina secunda (Coull, 1971)

Canuellina tuba (m) Por, 1983b

Species incerta sedis

Canuellina nicobaris Wells & Rao, 1987

The generic status of this species has to be confirmed (Huys, 1995c).

Genus *Canuellopsis* Lang, 1936

Species novae

Canuellopsis swedmarki Por, 1964b

Canuellopsis mediterranea (f) Soyer, 1966

Genus *Ellucana* Sewell, 1940

Originally defined as subgenus in the genus *Canuella*, Lang (1948, p. 1615) enlisted the name without discussion. Coull (1971b) raised the rank to genus level. He was followed in that by Por & Marcus (1972). But Por (1984) considered the description of *Ellucana longicauda* Sewell (1940) far too incomplete to be certain of its systematic position. Fiers (1984b, 1984c) confirmed the validity of the genus.

Ellucana longicauda (f) Sewell, 1940

Amendments: Fiers (1982).

Description of the male: Fiers (1984b).

Ellucana secunda Coull, 1971b

Por (1984) assigned this species to the genus *Canuellina*.

Amendments: Fiers (1984c) as *Ellucana secunda*.

Genus *Ifanella* Vervoort, 1964

Ifanella chacei (m) Vervoort, 1964

Por (1984) transferred this species to the genus *Brianola*, but Huys *et al.* (1996) considered the genus *Ifanella* as valid and included it in their key.

Genus *Scottolana* Por, 1967

Revision of the genus: Por, 1967.

Scottolana longipes (Thompson & A. Scott, 1903)

Comb. nov. (Por, 1967) for *Sunaristes longipes* Thompson & A. Scott, 1903.

Description of the male: Por, 1964a.

Redescription: Wells, 1967, who assumed that the mediterranean specimens of Por (1964a) represent a special 'race'.

Amendments: Wells & Rao, 1987.

Species novae.

Scottolana bulbifera (Chislenko, 1971)

Comb. nov. (Wells, 1976) for *Canuella bulbifera* Chislenko, 1971. The systematic position of this species was not discussed by Por (1984).

Scottolana glabra Fiers, 1982

Scottolana dissimilis Fiers, 1982

Scottolana uxoris Por, 1983b

Scottolana antillensis Fiers, 1984c

Scottolana oleosa Wells & Rao, 1987

Scottolana tumidiseta (f) Wells & Rao, 1987

Scottolana rostrata Wells & Rao, 1987

Species incerta

Scottolana scotti (Sewell, 1940)

Comb. nov. (Por, 1967) for *Canuella scotti* Sewell, 1940; but the species was not accepted by Lang (1948, p. 1615); Por (1984) considered its systematic position uncertain because of the absence of the male.

Amendments: Ummerkutty, 1966.

Genus *Galapacanuella* Mielke, 1979

Galapacanuella beckeri Mielke, 1979

Amendments: Mielke, 1994

Genus *Intercanuella* Becker & Schriever, 1979

Because the male is unknown, Por (1984) considered the systematic position of *Intercanuella lima* Becker & Schriever (1979) doubtful. But the genus was included in the latest key (Huys *et al.*, 1996).

Genus *Parasunaristes* Fiers, 1982

Por (1984), whose paper was submitted at the 1st Int. Conf. on Copepoda in 1981, was unaware of the definition of this genus.

Parasunaristes cucullaris Fiers, 1982

Parasunaristes chelicerata (Por & Marcus, 1972)

Comb. nov. (Fiers, 1982) for *Ellucana chelicerata* Por & Marcus, 1972, a species Por (1984) assigned to the genus *Sunaristes* Hesse as *Sunaristes cheliceratum*.

Amendments: Falck & Bowman, 1994.

Genus **Elanella* Por, 1984*Elanella elanítica* (Por, 1967)

Comb. nov. (Por, 1984) for *Canuella elanítica* Por, 1967.

Elanella paenelanítica (Fiers, 1982)

Comb. nov. (Huys, 1995c) for *Canuella paenelanítica* Fiers, 1982 (described under the wrong name *C. paenelantica* by Fiers). Species close to *Elanella elanítica* (Por, 1967) (not *elanítica* as erroneously written in Fiers, 1982). Por (1984) was not aware of the description of this species.

Genus **Coullana* Por, 1984*Coullana canadensis* (Willey, 1923)

Comb. nov. (Por, 1984) for *Canuella canadensis* Willey, 1923. Por (1967) previously, included the species in the genus *Scottolana*.

Synonym: *Canuella elongata* Wilson, 1932 (after Coull, 1972).

Redescription of the female and description of the male: Coull (1972), as *Scottolana canadensis*.

Genus **Nathaniella* Por, 1984*Nathaniella reichi* (Por, 1964)

Comb. nov. (Por, 1984) for *Canuella reichi* Por, 1964a. Por (1967) previously included the species in the genus *Brianola*.

Genus **Microcanuella* Mielke, 1994a*Microcanuella bisetosa* (f) Mielke, 1994aGenus **Intersunaristes* Huys, 1995c*Intersunaristes curticaudatus* (Thompson & A. Scott, 1903)

Comb. nov. (Huys, 1995c) for *Sunaristes curticaudata* Thompson & A. Scott, 1903.

Synonym: *Parasunaristes curticaudata* (Thompson & A. Scott, 1903) *sensu* Fiers, 1982. Por (1967) included this species in the genus *Scottolana*.

Intersunaristes dardani (Humes & Ho, 1969)

Comb. nov. (Huys, 1995c) for *Sunaristes dardani* Humes & Ho, 1969a.

Synonym: *Parasunaristes dardani* (Humes & Ho, 1969a) *sensu* Fiers, 1982.

Amendments: Humes, 1971 (as *Sunaristes dardani*).

Genus **Echinosunaristes* Huys, 1995c*Echinosunaristes bathyalis* Huys, 1995c

Species living in association with the sea urchin *Palaeopneustes* sp.

Species incerta sedis

Sunaristes inopinata Thompson & A. Scott, 1903

Por (1967) attributed the species to the genus *Scottolana*.

Nomen nudum

Ellucana steinitzi Por & Marcus, 1972 (p. 273)

Fam. **AEGISTHIDAE** Giesbrecht, 1892

Genus *Aegisthus* Giesbrecht, 1891

Aegisthus mucronatus Giesbrecht, 1891

Amendments: Boxshall, 1979; Huys, 1988b.

Redescription (f): Gamô, 1983.

Aegisthus aculeatus Giesbrecht, 1891

Amendments: Boxshall, 1979.

Aegisthus spinulosus Farran, 1905

Amendments: Boxshall, 1979.

Fam. **CERVINIIDAE** Sars, 1903 *sensu* Lang, 1948

In a work devoted to this family, Brodskaya (1963) erected two subfamilies: the Cerviniinae including the genera *Cervinia* Norman, *Eucanuella* T. Scott, *Cerviniella* Smirnov and *Paracerviniella* Brodskaya, and the Cerviniopsinae with the genera *Pontostratiotes* Brady, *Herdmania* Thompson (now *Hemicervinia* Lang), *Cerviniopsis* Sars, *Herdmaniopsis* Brodskaya and *Pseudocervinia* Brodskaya. Por (1969b) pointed out to some mistakes in the indications of the gender of the specimens illustrated in Brodskaya's posthumous paper.

Key to the genera: Montagna, 1981.

Subfam. **Cerviniinae** Brodskaya, 1963Genus *Cervinia* Norman, 1878

Key to the species: Montagna, 1979, 1981.

Synonym: *Pseudocervinia* Brodskaya (1963) according to Montagna, 1979 and 1981.

Cervinia bradyi Norman, 1878

Amendments: Por, 1964a and 1967; Drzycimski, 1969.

Cervinia synarthra Sars, 1910

Amendments: Por, 1967.

*Species novae**Cervinia magna* (f) Smirnov, 1946

Synonym: *Pseudocervinia magna* Smirnov *sensu* Brodskaya (1963), after Montagna, 1981.

Description of the male: Montagna, 1981.

Cervinia tenuiseta (f) Brodskaya, 1963

Redescription: Por, 1969b.

Cervinia brevipes (f) Brodskaya, 1963*Cervinia tenuicauda* (f) Brodskaya, 1963*Cervinia langi* Montagna, 1979

Redescription (f): Itô, 1983.

Cervinia unisetosa (f) Montagna, 1981

Synonym: *Cervinia* sp. B *sensu* Montagna & Carey, 1978.

Cervinia plumosa (m) Itô, 1983*Species incertae*

Cervinia sp. aff. *langi* Montagna *sensu* Itô, 1983

Cervinia sp. aff. *tenuiseta* Brodskaya *sensu* Itô, 1983

Genus *Eucanuella* T. Scott, 1900

Species novae

Eucanuella langi (m) Por, 1964a

Eucanuella reticulata Soyer, 1970a

Eucanuella longirostrata (m) Itô, 1983

Genus *Cerviniella* Smirnov, 1946

Key to the species: Bodin, 1968b; Coull, 1973b.

Synonym: *Askalonia* Por, 1964a.

Cerviniella mirabilipes (f) Smirnov, 1946

Cerviniella talpa (f) (Por, 1964)

Comb. nov. (Bodin, 1967) for *Askalonia talpa* Por, 1964a.

Cerviniella langi (f) Bodin, 1968b

Cerviniella lagarderei (f) Bodin, 1968b

Cerviniella brodskayae (f) Por, 1969b

Cerviniella peruana (f) Becker, 1974

Cerviniella hamata (f) Coull, 1973b

Cerviniella bodini (f) Coull, 1973b

Genus *Paracerviniella* Brodskaya, 1963

Paracerviniella denticulata (m) Brodskaya, 1963

Genus *Expansicervinia* Montagna, 1981

Expansicervinia glaciera (f) Montagna, 1981

Subfam. **Cerviniopsinae** Brodskaya, 1963

Genus *Pontostratiotes* Brady, 1883

Review of the genus and key to the species: Dinét, 1978.

Pontostratiotes abyssicola Brady, 1883

Redescriptions: Dinét, 1978; Itô, 1982a.

Species novae

Pontostratiotes scotti (f) Brodskaya, 1959

Nom. nov. (Brodskaya, 1959) for *P. abyssicola* Brady, 1883 *sensu* T. Scott, 1910.

Redescription: Por, 1969b.

Pontostratiotes horrida (f) Brodskaya, 1959

Redescription: Por, 1969b (who indicated that the original description of *P. horrida* was based on a female and not on a male).

Pontostratiotes glaber Por, 1969b

Pontostratiotes pubescens Por, 1969b

Pontostratiotes alatus (f) Por, 1969b

Pontostratiotes inermis (f) Por, 1969b

Pontostratiotes sixtorum (f) Por, 1969b

Pontostratiotes sixtorum Por, 1969b *mindanaoensis* (m) Itô, 1982a

Pontostratiotes microserrulatus (f) Por, 1969b

Pontostratiotes peruanus Becker & Schriever, 1979

This species was not mentioned in Becker (1974).

Pontostratiotes acanthoferens (f) Yamanaka, 1973

Pontostratiotes vasconiensis Dinét, 1978

Pontostratiotes ceciliae Dinét, 1978

Pontostratiotes denticulatus Dinét, 1978

Pontostratiotes vivierae Dinét, 1978

Pontostratiotes vitielloi (f) Dinét, 1978

Pontostratiotes lubricus (f) Dinét, 1978

Pontostratiotes barnetti Dinét, 1978

Pontostratiotes gladius Dinét, 1978

Pontostratiotes uxoris (f) Dinét, 1978

Pontostratiotes pori (f) Dinét, 1978

Nom. nov. (Dinét, 1978) for *P. abyssicola* Brady, 1883 *sensu* Por, 1969b.

Pontostratiotes minor Dinét, 1981

Pontostratiotes fontani Dinét, 1981

Pontostratiotes pacificus Itô, 1982a

Pontostratiotes unisetosus Itô, 1982a

Pontostratiotes robustus (m) Itô, 1982a.

Species incerta

Pontostratiotes sp. (m) Por, 1969b

Genus *Hemicervinia* Lang, 1935

Synonymy: this name proposed by Lang (1935), was considered (Lang, 1948) synonymous with *Herdmania* I.C. Thompson (1893); the name was restored by Por (1964a) since the name *Herdmania* has been used by Lahille, 1888 for a genus of Tunicates.

Hemicervinia stylifera (I.C. Thompson, 1893)

Amendments: Por, 1964a.

Genus *Cerviniopsis* Sars, 1909

Key to the species: Brodskaya, 1963; Soyer, 1970a.

Species novae

Cerviniopsis inermis (f) Smirnov, 1946

Cerviniopsis gorbunovi (f) Smirnov, 1946

Cerviniopsis acutirostris (f) Brodskaya, 1963

Cerviniopsis curviseta (f) Brodskaya, 1963

Cerviniopsis obtusirostris (f) Brodskaya, 1963

Redescription: Por, 1969b.

Cerviniopsis smirnovi (f) Por, 1969b

Cerviniopsis langi (f) Soyer, 1970a

Cerviniopsis muranoi Itô, 1983

Cerviniopsis minutiseta (m) Itô, 1983

Species incerta

Cerviniopsis sp. aff. *curviseta* Brodskaya, 1963: Itô, 1983

Genus *Herdmaniopsis* Brodskaya, 1963

Synonym: *Ameliotes* Por (1969b), after Itô, 1982a.

Herdmaniopsis abyssicola (f) Brodskaya, 1963

Herdmaniopsis malagassica (Por, 1969)

Comb. nov. (Itô, 1982a) for *Ameliotes malagassicus* Por, 1969b.

Genus *Stratiopontotes* Soyer, 1970a

According to Montagna (1981), this genus is probably synonymous with *Ameliotes* Por (1969b). However, Itô (1982a) disregarded this opinion and considered *Ameliotes* (named by mistake *Ameriotes* by Itô) as a synonym of *Herdmaniopsis* Brodskaya.

Stratiopontotes mediterraneus (f) Soyer, 1970a

The termination '-nea' was corrected by Montagna (1981) and Itô (1982a).

Redescription: Itô, 1982a.

Genus *Tonpostratiotes* Itô, 1982a*Tonpostratiotes tenuipedalis* (f) Itô, 1982aFam. ***ROTUNDICLIPEIDAE** Huys, 1988a

According to its author, this new family belongs to the **Cervinioidea**, including the **Cerviniidae** and the **Aegisthidae**.

Genus **Rotundiclipeus* Huys, 1988a*Rotundiclipeus canariensis* Huys, 1988aFam. ***STYRACOTHORACIDAE** Huys, 1993

According to its author, this family is considered to belong to the **Cervinioidea**.

Genus **Styracothorax* Huys, 1993*Styracothorax gladiator* (f) Huys, 1993

Fam. **ECTINOSOMATIDAE** Sars, 1903 (part.), Olofsson, 1917

The name Ectinosomidae was corrected by C.G. Moore (1978a).

Key to the genera: Lang, 1965b (p. 14).

The subgenera *Ectinosoma* and *Halectinosoma* are now considered as distinct genera. The genus *Pararenosetella* Lang (1944) was suppressed by Lang (1965b). The species were distributed among the genera *Hastigerella* Nicholls, 1935 (reinstated by Lang), *Ectinosoma* Boeck and *Halectinosoma* Lang.

Genus *Ectinosoma* Boeck, 1865

Key to the species: Lang, 1965b (p. 18).

Ectinosoma melaniceps Boeck, 1865

Synonym: *Ectinosoma melaniceps* var. *tuberculata* Roe, 1958 (after Lang, 1965b).

Amendments: Vos, 1945; Klie, 1949 (as *E. (Ectinosoma) melaniceps*); Pesta, 1959; Bozic, 1964a; Lang, 1965b; Chislenko, 1967 and 1977; Dinet, 1971; Mielke, 1974; Apostolov & Marinov, 1988; Dahms, 1989.

Redescription: Pallares, 1970.

Ectinosoma normani T. & A. Scott, 1894

Synonym: *Ectinosoma* sp. Roe, 1958 (after Lang, 1965b, p. 16).

Amendments: Lang, 1965b (who erroneously ascribed this species to Boeck); Apostolov & Marinov, 1988.

Ectinosoma tenuipes T. & A. Scott, 1894

Amendments: Lang, 1965b (p. 33-34).

Ectinosoma obtusum Sars, 1920

Description of the male: Wells, 1964.

Amendments: Petkovski, 1964b.

*Species novae**Ectinosoma dentatum* Steuer, 1940

Synonyms: ? *E. normani* T. & A. Scott *sensu* Monard, 1928 (after Lang, 1965b, p. 16 and 17).

E. (Ect.) couceroi Jakobi & Nogueira, 1960.

Amendments: Pesta, 1959; Petkovski, 1964b; Wells & Rao, 1987.

Ectinosoma reductum Bozic, 1955

Synonym: *Ectinosoma reductum listensis* Mielke (1975), after Wells & Rao, 1987.

Ectinosoma litorale (Noodt, 1958)

Comb. nov. (Lang, 1965b) for *Pararenosetella litoralis* Noodt, 1958b.

Ectinosoma acutorostratum (f) Vervoort, 1962*Ectinosoma ghardaqense* (f) (Noodt, 1964)

Comb. nov. (Lang, 1965b) for *Pararenosetella ghardaqensis* Noodt, 1964.

Ectinosoma paradentatum (f) Bozic, 1965

This species probably is a synonym of *E. dentatum* (after Wells & Rao, 1987)

Ectinosoma paranormani Lang, 1965b

Synonym: (?) *E. normani* T. & A. Scott *sensu* Chappuis, 1958.

Ectinosoma breviararticulatum (f) Lang, 1965b

Ectinosoma californicum (f) Lang, 1965b

Amendments: Wells, 1967.

Description of the male: Wells, 1967.

Ectinosoma virginensis Coull, 1971a

Species close to *E. breviararticulatum* Lang.

Ectinosoma vervoorti (f) Soyer, 1972a

This species probably is a synonym of *E. dentatum* (after Wells & Rao, 1987).

Ectinosoma pruvoti (f) Soyer, 1972a

Ectinosoma mediterraneum Kunz, 1975a

Ectinosoma soyeri Apostolov, 1975

Amendments: Apostolov & Marinov, 1988.

Ectinosoma barbicauda (f) Bozic, 1978b

Species considered closely related with *E. californicum* Lang.

Ectinosoma pectinatum Mielke, 1979

Ectinosoma nonpectinatum Mielke, 1979

Ectinosoma andamanica (f) Rao, 1993

Species incertae

Ectinosoma (*E.*) n. sp. (f) aff. *compressum* Sars *sensu* Klie (1949)

Ectinosoma tholomiges (f) Jakobi, 1954b

Ectinosoma tholophilos (f) Jakobi, 1954b

Both species described by Jakobi were considered as doubtful by Lang (1965b).

Ectinosoma sp. I (f), II (m), III (f), IV (f) and V *sensu* Mielke, 1979

Genus *Halectinosoma* Lang, 1944, 1965b

The genus was partially reviewed by Clément & Moore, 1995.

Key to the species: Lang, 1965b (p. 34); Clément & Moore, 1995 (part.).

Halectinosoma herdmani (T. & A. Scott, 1894)

Synonym (?): *H. elongatum* (Sars, 1904), after Por (1964a).

Description of the male: Klie, 1949 (as *Ectinosoma* (*H.*) *herdmani*).

Amendments: Por, 1964a (as *Ectinosoma herdmani*); Chislenko, 1967; Becker, 1970; Moore, 1976b; Apostolov & Marinov, 1988.

Halectinosoma tenuireme (T. & A. Scott, 1894)

Comb. nov. (Lang, 1965b) for *Pararenosetella tenuiremis* T. & A. Scott (after Lang, 1965b).

Amendments: Kunz, 1949 (as *Pararenosetella tenuiremis*); Wells & Rao, 1987.

Description of the male: Kunz, 1949 (as *Pararenosetella tenuiremis*).

Halectinosoma abrau (Kritzagin, 1877)

Amendments: Hensen, 1952 (as *Ectinosoma (H.) abrau*); Veldre & Maesmets, 1956 (as *Ectinosoma abrau*); Apostolov & Marinov, 1988.

Halectinosoma gothiceps (Giesbrecht, 1881)

Description of the male: Klie, 1949; Roe, 1958 (as *Ectinosoma (H.) gothiceps*).

Amendments: Vos, 1945 (as *Ectinosoma gothiceps*); Chislenko, 1967; Mielke, 1975; Letova, 1982.

Halectinosoma curticorne (Boeck, 1872)

Amendments: Veldre & Maesmets, 1956 (as *Ectinosoma curticorne*); Chislenko, 1967; Letova, 1982; Apostolov & Marinov, 1988.

Halectinosoma erythropros (Brady & Robertson, 1875)

Comb. nov. (Lang, 1965b) for *Pararenosetella erythropros* Brady & Robertson, 1875.

Halectinosoma gracile (T. & A. Scott, 1894)

Comb. nov. (Lang, 1965b) for *Pararenosetella gracilis* T. & A. Scott, 1894.

Halectinosoma longicorne (T. & A. Scott, 1894)

Comb. nov. (Lang, 1965b) for *Pararenosetella longicornis* T. & A. Scott, 1894.

Halectinosoma armiferum (T. & A. Scott, 1894)

Description of the male: Wells, 1965b (as *Ectinosoma (H.) armiferum*).

Halectinosoma chrystalli (T. Scott, 1894)

Synonyms: *Ectinosoma propinquum* T. & A. Scott, 1894 and *Halectinosoma propinquum* (T. & A. Scott) *sensu* Lang, 1948 (after Clément & Moore, 1995).

Redescription: Clément & Moore, 1995. Identifications by Bodin, 1964 (as *Ectinosoma (Halec.) propinquum*) and Moore, 1976b were questioned by Clément & Moore (1995).

Halectinosoma finmarchicum (T. Scott, 1903)

Amendments: Becker, 1970; Chislenko, 1977.

Halectinosoma neglectum (Sars, 1904)

Amendments: Lang, 1965b (p.44-47); Letova, 1982 (?); Clément & Moore, 1995.

Halectinosoma brevirostre (Sars, 1904)

Amendments: Chislenko, 1967; Apostolov & Marinov, 1988.

Halectinosoma brunneum (Brady, 1905)

Redescription: Clément & Moore, 1995.

Halectinosoma proximum (Sars, 1919)

Redescription: Clément & Moore, 1995.

Halectinosoma angulifrons (Sars, 1919)

Redescription: Clément & Moore, 1995.

Halectinosoma distinctum (Sars, 1920)

Description of the male: Bodin, 1970.

Halectinosoma clavatum (Sars, 1920)

Halectinosoma brunneum (Brady) *sensu* Chislenko (1967) is probably a synonym of this species.

Lang (1948) synonymized *H. clavatum* with *H. brunneum*, but Clément & Moore (1995) considered them as two distinct species after examination of the type-series.

*Species novae****Halectinosoma intermedium*** (f) (Nicholls, 1940)

Comb. nov. (Lang, 1965b) for *Ectinosoma intermedia* Nicholls, 1940.

Halectinosoma littorale (f) (Nicholls, 1940)

Comb. nov. (Lang, 1965b) for *Ectinosoma littoralis* Nicholls, 1940.

Halectinosoma oblongum (f) (Kunz, 1949)

Comb. nov. (Lang, 1965b) for *Ectinosoma oblongum* Kunz, 1949 and *Pararenosetella oblongum* (Kunz, 1949) *sensu* Noodt (1955c).

Halectinosoma spinicauda (f) (Wells, 1961)

Comb. nov. (Lang, 1965b) for *Ectinosoma (H.) spinicauda* Wells, 1961.

Halectinosoma arenicola (Rouch, 1962)

Comb. nov. (Lang, 1965b) for *Ectinosoma (H.) arenicola* Rouch, 1962.

Redescription: Itô, 1973.

Halectinosoma diops (f) (Por, 1964)

Comb. nov. (Lang, 1965b) for *Ectinosoma diops* Por, 1964a.

Halectinosoma inopinatum (f) (Por, 1964)

Comb. nov. (Lang, 1965b) for *Ectinosoma inopinatum* Por, 1964a.

Halectinosoma canaliculatum (f) (Por, 1964)

Comb. nov. (Lang, 1965b) for *Ectinosoma canaliculatum* Por, 1964a.

Synonym: *Ectinosoma sarsi* Boeck (1872) *sensu* T. & A. Scott (1894), after Clément & Moore, 1995.

Redescription (f): Clément & Moore, 1995.

Halectinosoma japonicum (f) (Miura, 1964)

Comb. nov. (Lang, 1965b) for *Ectinosoma japonica* Miura, 1964. Freshwater species.

Halectinosoma unicum (f) Lang, 1965b

Synonym (?): *Ectinosoma (?) smirnovi* Chislenko, 1967.

Amendments: Letova, 1982 (as *Halectinosoma smirnovi*).

Halectinosoma similidistinctum (f) Lang, 1965b

Synonym: *H. paradistinctum* Soyer, 1973a.

Halectinosoma ornatum (f) Lang, 1965b

Halectinosoma kunzi (f) Lang, 1965b

Halectinosoma longisetosum (f) Lang, 1965b

Halectinosoma herdelongata Marcus, 1967

Comb. nov. (Marcus, 1967) for *Ectinosoma intermedium* Marcus, 1965 (preoccupied name).

Halectinosoma inhacae Wells, 1967

Halectinosoma fusiforme Wells, 1967

Halectinosoma porosum (f) Wells, 1967

Halectinosoma langi Wells, 1967

Halectinosoma fusum (m) Wells, 1967

Halectinosoma abyssicola (f) Bodin, 1968b

Halectinosoma gascognense (f) Bodin, 1968b

Halectinosoma cooperatum Bodin, Bodiou & Soyer, 1970

Halectinosoma dimorphum Coull, 1970b

Halectinosoma uniarticulatum Borutzky, 1972

Species found in fresh water.

Halectinosoma travei (f) Soyer, 1973a

Halectinosoma valeriae (f) Soyer, 1973a

Halectinosoma monardi (f) Soyer, 1973a

Halectinosoma rouchi (f) Soyer, 1973a

Halectinosoma pterinum Moore, 1974

Amendments (m): Bodin, 1979a.

Halectinosoma winonae Coull, 1975

Halectinosoma paraspinicauda (f) Bodin, 1979a

Halectinosoma perforatum Itô, 1981

According to Itô, the species is close to *H. canaliculatum* (Por).

Halectinosoma otakoua Wells, Hicks & Coull, 1982

Halectinosoma hydrofuge Wells, Hicks & Coull, 1982

Synonym: *Halectinosoma* sp. Coull & Wells, 1981.

Species close to *H. cooperatum* Bodin, Bodiou & Soyer.

Halectinosoma pseudosarsi (f) Clément & Moore, 1995

Synonym: *Ectinosoma sarsi* Boeck, 1872 *sensu* Sars, 1904 (after Clément & Moore, 1995).

Halectinosoma chislenki (f) Clément & Moore, 1995

Synonym: *Ectinosoma neglectum* Sars, 1904, *sensu* Chislenko, 1967 (after Clément & Moore, 1995).

Amendments: Chislenko, 1967 (as *H. neglectum*).

Halectinosoma argyllensis Clément & Moore, 1995

Halectinosoma crenulatum Clément & Moore, 1995

Halectinosoma denticulatum Clément & Moore, 1995

Species incertae et incertae sedis

Halectinosoma sarsi (Boeck, 1872), after Clément & Moore, 1995.

Description of the male: Wells, 1965b (as *Ectinosoma (H.) sarsi*). But, after re-examination, Clément & Moore (1995) assigned the two specimens of Wells to the genus *Ectinosoma*.

Halectinosoma elongatum (Sars, 1904)

According to Por (1964a), this species could be synonymous with *H. herdmani*.

Amendments: Chislenko, 1967; Letova, 1982; Apostolov & Marinov, 1988.

Halectinosoma sp. (f) (Bodin, 1964)

The description (as *Ectinosoma (H.)* sp.) is based on a single female specimen in bad condition and must be abandoned.

Halectinosoma sp. 1 (m) Bodin, 1970 (probably a copepodid)

Halectinosoma sp. 2 (m) Bodin, 1970

Genus *Bradya* Boeck, 1872

Key to the species: Lang, 1965b (p. 61).

Subgenus *Bradya* Lang, 1944

Bradya (B.) typica Boeck, 1872

Amendments: Lang, 1965b (p. 66).

Bradya (B.) congenera Sars, 1920

Amendments: Por, 1964a.

Species novae

Bradya (B.) cladiofera Lang, 1965b

Bradya (B.) minutiseta (f) Soyer, 1973b

Bradya (B.) theodori (f) Soyer, 1973b

Subgenus *Parabradya* Lang, 1944

Species novae

Bradya (P.) atlantica (f) Bodin, 1968b

Bradya (P.) bodini Bozic, 1979

According to Bozic the species seems close to *B. (P.) atlantica* Bodin.

Bradya (P.) pugiochaeta (m) Arlt, 1983Genus ***Microsetella*** Brady & Robertson, 1873***Microsetella norvegica*** (Boeck, 1865)

Amendments: Carvalho, 1952a; Veldre & Maesmets, 1956; Shen & Bai, 1956; Gonzalez & Bowman, 1965; Chislenko, 1967; Itô, 1968; Boxshall, 1979.

Microsetella rosea (Dana, 1848)

Amendments: Carvalho, 1952a; Boxshall, 1979.

Genus ***Sigmatidium*** Giesbrecht, 1881*Species novae****Sigmatidium parvulum*** Mielke, 1974***Sigmatidium rouchi*** (f) Kunz, 1975a***Sigmatidium noodti*** (f) Kunz, 1975a***Sigmatidium triarticulatum*** Mielke, 1979***Sigmatidium kunzi*** Mielke, 1979Genus ***Pseudobradya*** Sars, 1904

Key to the species: Lang, 1965b (p. 67).

Pseudobradya barroisi (Richard, 1893)

Comb. nov. (Por, 1968b) for *Ectinosoma barroisi* Richard, 1893, species named *Halectinosoma barroisi* in Lang (1965b: p. 36).

Pseudobradya minor (T. & A. Scott, 1894)

Description of the male: Klie, 1949.

Amendments: Kunz, 1949; Chislenko, 1967; Becker, 1970; Moore, 1976b; Apostolov & Marinov, 1988.

Pseudobradya similis (T. & A. Scott, 1894)

Description of the male: Bodin, 1970.

Pseudobradya hirsuta (T. & A. Scott, 1894)

Amendments: Wells, 1967; Moore, 1976b.

Pseudobradya beduina Monard, 1935

Description of the male: Bodin, 1970.

Amendments: Noodt, 1955d; Bodin, 1964; Guille & Soyer, 1966; Mielke, 1975; Apostolov, 1977; Apostolov & Marinov, 1988.

Pseudobradya major (Olofsson, 1917)

Comb. nov. (M.S. Wilson, 1973) for *Ectinosoma major* Olofsson, 1917 ('species incerta' in Lang, 1948).

Redescription: M.S. Wilson, 1973.

Species novae

Pseudobradya usitata (f) Noodt, 1964

Pseudobradya cornuta Lang, 1965b

Pseudobradya pectinifera Lang, 1965b

Pseudobradya crassipes Lang, 1965b

Pseudobradya pulchera Lang, 1965b

Pseudobradya oligochaeta Chislenko, 1967

Pseudobradya kusnezovi (f) Chislenko, 1967

Pseudobradya distinctum (f) Wells, 1968

Pseudobradya brevicaudata (f) Soyer, 1974a

Pseudobradya spinulosa (f) Soyer, 1974a

Pseudobradya peresi (f) Soyer, 1974a

Pseudobradya banyulensis (f) Soyer, 1974a

Pseudobradya truncatiseta (f) Soyer, 1974a

Pseudobradya soyeri Bodiou, 1975

Pseudobradya psammophila (f) Bodiou, 1975

Pseudobradya rhea (f) Bodin, 1979a

Pseudobradya beduina Monard *faialensis* (f) Kunz, 1983

Pseudobradya lanceta Coull, 1986

Species incertae

Pseudobradya pulchella Sars, 1920? *sensu* Wells, 1965b

The male was described based on a single individual; Wells presumed that it could represent a new species.

Pseudobradya beduina Monard, 1935? *sensu* Marinov & Apostolov, 1985

Pseudobradya pelobates (f) Jakobi, 1954b

Pseudobradya pelogonos (f) Jakobi, 1954b

Pseudobradya pelotrophos (f) Jakobi, 1954b

The three last species were poorly described, but Lang (1965b, p. 67) included them in his key, however, with serious reservations.

Pseudobradya aff. *hirsuta* (f) Por, 1964a

The single female specimen described by Por was not considered as conspecific (Lang, 1965b: p.67).

Genus *Tetanopsis* Brady, 1910

This genus, considered as '*incertum*' by Lang (1948), was accepted within the *Ectinosomatidae* by Lang (1965b: p. 12-13).

Species nova

Tetanopsis mediterranea (Chappuis, 1954)

Comb. nov. (Lang, 1965b) for *Arenosetella mediterranea* Chappuis, 1954a.

Species incertae

Tetanopsis smithi (f) Perkins, 1956b

Tetanopsis medius (f) Perkins, 1956b

Lang (1965b, p. 12) disregarded this description.

Genus *Halophytophilus* Brian, 1917

Halophytophilus fusiformis Brian, 1918

Amendments: Pallares, 1975b.

Species nova

Halophytophilus simplex (f) Wells & Rao, 1987

Genus *Bradyellopsis* Brian, 1924

Key to the species: Steuer, 1941; Watkins, 1987.

Bradyellopsis tumidus Brian, 1924

Amendments: Steuer, 1941.

Bradyellopsis subniger Brian, 1924

Amendments: Steuer, 1941; Noodt, 1955d.

Bradyellopsis arupinensis (f) Steuer, 1941

Bradyellopsis briani (f) Steuer, 1941

Bradyellopsis foliatus Watkins, 1987

Genus *Arenosetella* Wilson, 1932

Key to the species: Lang, 1965b (p. 86); Moore, 1976b; McLachlan & Moore, 1978; Bodin, 1979a.

Arenosetella tenuissima (Klie, 1929)

Comb. nov. (McLachlan & Moore, 1978) for *Hastigerella tenuissima* (Klie, 1929) *sensu* Lang, 1965b.

Synonyms: *Hastigerella papilabra* Nicholls, 1935

Arenosetella monensis Moore, 1976b

Arenosetella incerta Chappuis *sensu* Bodin, 1972a and 1977b (according to McLachlan & Moore, 1978).

Amendments: Bodin, 1972a (as *A. incerta*); Mielke, 1975 (as *Hastigerella tenuissima*).

Arenosetella germanica Kunz, 1937

Amendments: Bozic, 1955; Rao & Ganapati, 1969b; Mielke, 1975, 1986.

Species novae

Arenosetella incerta Chappuis, 1954d

Arenosetella indica (f) Krishnaswamy, 1957b

Description of the male: Rao & Ganapati, 1969b.

Arenosetella madagascariensis Lang, 1965

Nom. nov. (Lang, 1965b) for *A. germanica* Kunz, 1937 *sensu* Chappuis, 1954b.

Arenosetella rouchi (f) Lang, 1965

Nom. nov. (Lang, 1965b) for *A. germanica* Kunz, 1937 *sensu* Rouch, 1962.

Arenosetella kaiseri Lang, 1965b

Arenosetella balakrishnani Bozic, 1967

Arenosetella limnophila (f) Sterba, 1968

Freshwater species.

Arenosetella duriensis Galhano, 1970

Arenosetella bidenta (f) Itô, 1972a

Arenosetella fimbriaticauda McLachlan & Moore, 1978

Synonym: *Hastigerella* sp. *sensu* McLachlan & Furstenberg, 1977 (in McLachlan & Moore, 1978).

Arenosetella littoralis (f) Bodin, 1979a

Arenosetella germanica galapagoensis Mielke, 1979

Arenosetella panamensis Mielke, 1981b

Arenosetella macronychospina Mielke, 1981b

Arenosetella longiseta Kunz, 1983

Arenosetella vinadelmarensis Mielke, 1986

Amendments: Mielke, 1987b.

Arenosetella tricornis Wells & Rao, 1987

Species incertae

Arenosetella sp. Noodt, 1952b

Arenosetella sp. aff. *incerta* (f) Chappuis *sensu* Noodt, 1958b

According to Lang (1965b) this species belongs definitely to the genus *Arenosetella*.

Arenosetella sp. Mielke, 1981b

Genus *Hastigerella* Nicholls, 1935

Key to the species: Lang, 1965b (p. 91); McLachlan & Moore, 1978.

Hastigerella leptoderma (Klie, 1929)

Comb. nov. (Lang, 1965b) for *Pararenosetella leptoderma* Klie, 1929. Proposed as type-species of the genus by McLachlan & Moore, 1978.

Synonym: *Hastigerella grandimandibularis* Wells (1967), after Wells & Rao, 1987.

Description of the male: Wells, 1968.

Amendments: Kunz, 1949 (as *Pararenosetella leptoderma*); Soyer, 1974b; Mielke, 1975; Wells & Rao, 1987.

Redescription: Mielke, 1981b.

Species novae

Hastigerella meridionalis (Chappuis, 1954)

Comb. nov. (Lang, 1965b) for *Pararenosetella meridionalis* Chappuis, 1954a.

Hastigerella psammae (Noodt, 1955)

Comb. nov. (Lang, 1965b) for *Pararenosetella psammae* Noodt, 1955c.

Hastigerella unisetosa (f) (Wells, 1965)

Comb. nov. (Bodin, 1967) for *Arenosetella unisetosa* Wells, 1965b.

Hastigerella abbotti Lang, 1965b

Hastigerella abbotti santacruzensis Mielke, 1979

Hastigerella monniotae (f) (Guille & Soyer, 1966)

Comb. nov. (Bodin, 1967) for *Pararenosetella monniotae* Guille & Soyer, 1966.

Hastigerella setosa (Rao & Ganapati, 1969)

Comb. nov. (Bodin, 1979b) for *Arenosetella setosus* Rao & Ganapati, 1969a.

Hastigerella noodti (Rao & Ganapati, 1969)

Comb. nov. (Bodin, 1979b) for *Arenosetella noodti* Rao & Ganapati, 1969a.

Hastigerella clavata (Rao & Ganapati, 1969)

Comb. nov. (Bodin, 1979b) for *Pararenosetella clavata* Rao & Ganapati, 1969a.

Hastigerella bengalensis (f) Rao, 1972

Hastigerella bodini Apostolov, 1974

Amendments: Apostolov & Marinov, 1988.

Hastigerella chappuisi (f) Soyer, 1974b

Hastigerella bozici Soyer, 1974b

Amendments: Kunz, 1975b

Hastigerella scheibeli Mielke, 1975

Hastigerella soyeri (f) Bodin, 1979

Nom. nov. (Bodin, 1979b) for *Hastigerella noodti* Soyer, 1974b (name preoccupied).

Hastigerella mehuinensis Mielke, 1986

Species incerta

Hastigerella sp. (f) Mielke, 1986

Genus *Pseudectinosoma* Kunz, 1935

Considered as synonymous with *Sigmatidium* by Lang (1948, p. 192 and 233), this genus was reinstated by Kunz (1975a).

Pseudectinosoma minor Kunz, 1935

Comb. nov. (Kunz, 1975a) for *Sigmatidium minor* (Kunz, 1935) *sensu* Lang (1948).

Pseudectinosoma vandeli (Rouch, 1969)

Comb. nov. (Kunz, 1975a) for *Sigmatidium vandeli* Rouch, 1969. Freshwater species.

Genus *Ectinosomoides* Nicholls, 1945b

This genus was accepted as valid by Lang (1965b: p.10, 13).

Ectinosomoides longipes Nicholls, 1945b

Species incerta

Ectinosomoides pectinatus (Chappuis, 1954)

Comb. nov. (?) (Noodt, 1958b and Lang, 1965b) for *Arenosetella pectinata* Chappuis, 1954d.

Genus *Noodtiella* Wells, 1965a

Erroneously spelt *Nodtiella* by Lang (1965b, p. 547).

Synonym: *Noodtia* Lang, 1965b (p. 547).

Noodtiella arenosetelloides (Noodt, 1958)

Comb. nov. (Wells, 1965a) for *Sigmatidium?* *arenosetelloides* Noodt, 1958b.

Description of the male: Wells, 1965a.

Redescription: Rao & Ganapati, 1969b (with misspelt generic name: *Stigmatidium*).

Noodtiella problematica (Rouch, 1962)

Comb. nov. (Kunz, 1975a) for *Sigmatidium problematicum* Rouch, 1962.

Noodtiella lusitanica Wells, 1965a

Noodtiella wellsii Apostolov, 1974

Amendments: Apostolov & Marinov, 1988.

Noodtiella gracile (f) Mielke, 1975

Noodtiella frequentior Mielke, 1979

Amendments: Mielke, 1981b.

Noodtiella hoodensis Mielke, 1979

Amendments: Mielke, 1981b, 1987a.

Noodtiella tabogensis Mielke, 1981b

Noodtiella pacifica Mielke, 1987b

Noodtiella larinconadensis (f) Mielke, 1987b

Noodtiella coquimbensis (f) Mielke, 1987b

Noodtiella mielkei Wells & Rao, 1987

Noodtiella ornamentalis (f) Wells & Rao, 1987

Genus *Lineosoma* Wells, 1965a

This genus defined by Wells after redescription of *Pararenosetella* sp. Wells (1963a), was accepted by Lang (1965b).

Lineosoma iscensis (f) Wells, 1965a

Synonym: *Pararenosetella* sp. Wells, 1963 (in Wells, 1965a).

Lineosoma intermedia (Wells, 1967)

Comb. nov. (Kunz, 1975a) for *Noodtiella intermedia* Wells, 1967.

Lineosoma enertha (Lindgren, 1975)

Comb. nov. (Mielke, 1987a) for *Noodtiella enertha* Lindgren, 1975.

Lineosoma chilensis Mielke, 1987a

Genus *Oikopus* Wells, 1967

Oikopus rostrilabrus Wells, 1967

Genus *Peltobradya* Médioni & Soyer, 1967b

Peltobradya bryozoophila Médioni & Soyer, 1967b.

Genus *Klieosoma* Hicks & Schriever, 1985

Synonym: *Kliella* Hicks & Schriever, 1983 (preoccupied name).

Klieosoma triarticulatum (f) (Klie, 1949)

Comb. nov. (Hicks & Schriever, 1985) for *Halophytophilus?* *triariculatus* Klie, 1949.

Synonym: *Kliella triarticulatum* (Klie, 1949).

Klieosoma spinosum (f) Hicks & Schriever, 1985

Synonym: *Kliella spinosa* Hicks & Schriever (1983).

Klieosoma aberrans (f) (Wells & Rao, 1987)

Comb. nov. for *Halophytophilus aberrans* Wells & Rao, 1987.

Nomen nudum

Prenoodtiella acutifrons Soyer, 1971 (p. 380 and 509)

Fam. **NEOBRADYIDAE** Olofsson, 1917

Genus *Neobradya* T. Scott, 1892

Neobradya pectinifera T. Scott, 1892

Redescription: Huys, 1987b.

Genus *Antarcticobradya* Huys, 1987b

Antarcticobradya tenuis (Brady, 1910)

Comb. nov. (Huys, 1987b) for *Parastenhelia* (?) *tenuis* Brady, 1910.

Redescription (f): Huys, 1987b; Schminke & Dahms, 1989.

Description of the male: Schminke & Dahms, 1989.

Genus **Marsteinia* Drzycimski, 1968c

This genus was reinstated by Huys *et al.* (1996) and includes the two species described by Drzycimski (1968) which were previously attributed to the genus *Tachidiopsis* by Bodin (1971).

Key to the species: Huys *et al.*, 1996.

Marsteinia typica Drzycimski, 1968c

Marsteinia similis (f) Drzycimski, 1968c

Fam. **DARCYTHOMPSONIIDAE** Lang, 1936

Following the discovery of several species constituting transitions between *Leptocaris* T. Scott and *Horsiella* Gurney, Kunz (1961) considered the two genera as synonymous and, thus, retained only the genus *Leptocaris* T. Scott (1899) which has priority. Lang (1965b, p. 95) arrived at the same conclusion.

Genus *Leptocaris* T. Scott, 1899

Synonym: *Thaumastognatha* Jakobi, 1954b.

Key to the species: Lang, 1965b; Fleeger & Clark, 1980.

Chaetotactic table of the species: Kunz, 1978.

Leptocaris minutus T. Scott, 1899

Synonym: *Horsiella* sp. Chappuis, 1960 (after Kunz, 1961).

Leptocaris brevicornis (van Douwe, 1904)

Comb. nov. (Kunz, 1961) for *Horsiella brevicornis* (van Douwe, 1904) *sensu* Lang, 1948.

Synonym: *L. gurneyi namibius* Kunz & Kunz, 1973.

Amendments: Veldre & Maesmets, 1956 (as *Horsiella brevicornis*); Kunz, 1978; Apostolov & Marinov, 1988.

Leptocaris trisetosus trisetosus (Kunz, 1935)

Comb. nov. (Kunz, 1961) for *Horsiella trisetosa* Kunz, 1935.

Amendments: Bodin, 1973; Kunz, 1978; Kunz, 1994b.

*Species novae**Leptocaris gurneyi* (f) (Nicholls, 1944)

Comb. nov. (Kunz, 1961) for *Horsiella gurneyi* Nicholls, 1944.

Leptocaris sibiricus Borutzky, 1952*Leptocaris ignavus* (Noodt, 1953)

Comb. nov. (Kunz, 1961) for *Horsiella ignava* Noodt, 1953. Species considered as 'almost certainly a synonym of *L. minutus*' by Huys *et al.* (1996).

Leptocaris minimus (f) (Jakobi, 1954)

Comb. nov. (Lang, 1965b) for *Thaumastognatha minima* Jakobi, 1954b.

Description of the male: Kunz, 1978.

Amendments: Kunz, 1994b.

Leptocaris biscayensis (Noodt, 1955)

Comb. nov. (Kunz, 1961) for *Horsiella biscayensis* Noodt, 1955c.

Synonyms: *Leptocaris adriatica* Petkovski, 1955c (after Noodt, 1958b, confirmed by Lang, 1965b and Kunz, 1994b).

Leptocaris azoricus Kunz, 1983 (after Kunz, 1994b).

Amendments: Rao & Ganapati, 1969b (as *Horsiella biscayensis*); Kunz, 1978; Cottarelli & Baldari, 1982; Kunz, 1994b.

Leptocaris vermiculata (Oliveira, 1957)

Comb. nov. (Lang, 1965b) for *Horsiella vermiculata* Oliveira, 1957.

Leptocaris insularis (Noodt, 1958)

Comb. nov. (Lang, 1965b) for *Horsiella insularis* Noodt, 1958b.

Synonym (?): *Leptocaris elishevae* (Por, 1968a).

Leptocaris marinus (f) (Por, 1964)

Comb. nov. (Lang, 1965b) for *Horsiella marina* Por, 1964a.

Leptocaris canariensis (m) Lang, 1965

Comb. nov. (Lang, 1965b) for *Horsiella minima* Noodt, 1958b (to avoid homonymy with *Leptocaris minimus* Jakobi).

Leptocaris armatus (f) Lang, 1965b*Leptocaris pori* Lang, 1965b*Leptocaris doughertyi* Lang, 1965b*Leptocaris kunzi* Fleeger & Clark, 1980

According to Fleeger & Clark, the species is close to *L. elishevae* Por and *L. canariensis* Lang.

Redescription: Kunz, 1994b.

Leptocaris igneus (f) Cottarelli & Baldari, 1982*Leptocaris mangalis* Por, 1983a*Leptocaris glaber* (f) Fiers, 1986e*Leptocaris echinatus* (f) Fiers, 1986e*Leptocaris echinatus nudus* Kunz, 1994b*Leptocaris mucronatus* Fiers, 1986f*Leptocaris stromatolicolus* Zamudia-Valdez & Reid, 1990*Leptocaris trisetosus breviseta* Kunz, 1994b

The subspecific name was erroneously captioned as *brevifurca* in Kunz, 1994b (p. 36).

Leptocaris noodti (f) Kunz, 1994b*Leptocaris itoi* (f) Kunz, 1994b*Species incerta**Leptocaris elishevae* (Por, 1968)

Comb. nov. (Bodin, 1967) for *Horsiella elishevae* Por, 1968a. This species is probably synonymous with *L. insularis* Noodt.

Genus *Darcythompsonia* T. Scott, 1906

Darcythompsonia fairliensis (T. Scott, 1899)

Amendments: Kunz, 1960; Ceccherelli & Rossin, 1979.

Redescription: Mielke, 1982b who discussed the possibility that his Galapagos specimens could represent a distinct subspecies.

Darcythompsonia scotti Gurney, 1920

Considered as a synonym of *D. fairliensis* by Huys *et al.* (1996).

Darcythompsonia inopinata Smirnov, 1934

Synonym: *Darcythompsonia radans* Por, 1983a (after Fiers, 1986e).

Darcythompsonia neglecta Redeke, 1953

'*Nomen nudum*' in Lang, 1948 (p. 274) who found the name in a manuscript.

Species incertae

Darcythompsonia sp. (m) Griga, 1961

Genus **Kristensenia* Por, 1983a

Kristensenia pallida (m) Por, 1983a

Nomen nudum

Genus **Falcocaris* Fiers

This name, mentioned by Kunz (1994b), was proposed to him by F. Fiers (*in Litt.*) to include *Leptocaris mangalis* Por (1983a); but the diagnosis of the genus has not been published yet.

Fam. TACHIDIIDAE Sars, 1909; Lang, 1944, 1948

Following a review of the Thompsonulinae Lang (1944), Huys & Gee (1990)¹ created the **Thompsonulidae**, encompassing only the two genera *Thompsonula* and *Caribbula*; the genera *Danielssenia*, *Psammis*, *Paradanielssenia*, *Micropsammis* and *Leptotachidia* were allocated to the **Paranannopidae** Por (1986a).

In Huys *et al.* (1996)¹, the **Tachidiidae** *sensu* Lang (1944, 1948) are split up (without argumentation) in **Euterpinidae** Brian, 1921 (with the genus *Euterpina*) and **Tachidiidae** Boeck, 1865 (unifying the genera *Tachidius*, *Microarthridion*, *Cithadius* and the new monotypic genus *Geeopsis* containing *Tachidius incisipes* Klie, 1913).

Key to the genera: Gee, 1988b (for **Tachidiidae** *sensu* Lang, 1944, 1948); Huys *et al.* (1996).

Genus *Tachidius* Lilljeborg, 1853

Remarks: Bowman's (1972) proposed to abandon the name *Microarthridioninae* to refer to the subfamily of which the type-genus was *Tachidius* and proposed the name *Tachidiinae*. His opinion has not been followed.

Subgenus *Tachidius* Shen & Tai, 1963*Tachidius* (*T.*) *discipes* Giesbrecht, 1881

Redescription of the male: Chislenko, 1967.

Amendments: Veldre & Maesmets, 1956; Petkovski, 1964b; Vilela, 1965; Dussart, 1967; Heip, 1969; Mielke, 1975; Song & Chang, 1995.

Species nova

Tachidius (*T.*) *vicinospinalis* Shen & Tai, 1964Subgenus *Neotachidius* Shen & Tai, 1963

Species nova

Tachidius (*N.*) *triangularis* Shen & Tai, 1963

Amendments: Song & Chang, 1995.

Genus *Microarthridion* Lang, 1944

Key to the species: Bodin, 1970.

Microarthridion littorale (Poppe, 1881)

Amendments: Veldre & Maesmets, 1956 (as *Tachidius littoralis*); Por, 1960a; Lorenzen, 1969; Letova, 1982; Apostolov & Marinov, 1988.

Microarthridion berberum (Monard, 1936)

Description of the male: Petkovski, 1964b.

Species novae

Microarthridion laurenticum (Nicholls, 1940)

Comb. nov. for *Tachidius laurenticus* Nicholls, 1940.

¹ The references Huys (1992), in Huys & Gee (1990), and Huys (1996), in Huys *et al.* (1996), were never published.

Microarthridion fallax Perkins, 1956a

Amendments: Monchenko, 1967c; Lorenzen, 1969; Bodin, 1970.

Microarthridion perkinsi Bodin, 1970

Considered synonymous with *M. reductum* Monard, 1935.

Microarthridion litospinatus Shen & Tai, 1973

Genus *Cithadius* Bowman, 1972

Cithadius cyathurae Bowman, 1972

Species living in association with isopods.

Genus **Geeopsis* Huys, 1996 (*in* Huys *et al.*, 1996)

Geeopsis incisipes (Klie, 1913)

Comb. nov. (Huys *et al.*, 1996) for *Tachidius incisipes* Klie, 1913.

Amendments: Huys *et al.*, 1996.

Fam. **EUTERPINIDAE** Brian, 1921(grad. nov. Huys *et al.*, 1996)Genus *Euterpina* Norman, 1903*Euterpina acutifrons* (Dana, 1848)Synonyms: *Tachidius hydrobiologicus* Oliveira, 1945a and *Laophonte sagenarum* Oliveira, 1945b (after Lang, 1965b, p. 7).

Redescription of the male: Klie, 1949.

Amendments: Carvalho, 1945, 1952a; Petkovski, 1964b; Gonzalez & Bowman, 1965; Dussart, 1967; Dawson & Knatz, 1980.

Fam. **THOMPSONULIDAE** Lang, 1944 *sensu* Huys & Gee, 1990

(grad. nov. Huys & Gee, 1990)

Genus *Thompsonula* T. Scott, 1905*Thompsonula hyaenae* (I.C. Thompson, 1889)

Amendments: Bodin, 1970.

Redescription: Huys & Gee, 1990.

Thompsonula curticauda (C.B. Wilson, 1932)

Redescription: Huys & Gee, 1990.

Genus **Caribbula* Huys & Gee, 1990*Caribbula elongata* (Gee, 1988b)Synonym: *Thompsonula hyaenae elongata* Gee (1988b), after Huys & Gee, 1990.

Redescription: Huys & Gee, 1990.

Caribbula fleegeri Huys & Gee, 1990

Fam. **HARPACTICIDAE** Sars, 1904

Key to the genera: Lang, 1965b (p. 107).

Key to Korean's genera and species: Song & Chang, 1993.

Subfam. **Harpacticellinae** Lang, 1944Genus *Harpacticus* Milne-Edwards, 1840*Harpacticus chelifer* (O.F. Müller, 1776)

Amendments: Chislenko, 1967; Pallares, 1973a.

Harpacticus uniremis Kröyer, 1842

Amendments: Veldre & Maesmets, 1956; Shen & Tai, 1956; Lang, 1965b (p. 108); Chislenko, 1967; Itô, 1971b; Apostolov & Marinov, 1988.

Harpacticus gracilis Claus, 1863

Amendments: Carvalho, 1945; Pesta, 1959; Michailova-Neikova & Voinova-Stavreva, 1971; Apostolov & Marinov, 1988.

Harpacticus nicaeensis Claus, 1866

Amendments: Candeias, 1959; Marcus & Por, 1960: in agreement with Brian (1928) and Lang (1948), these two authors considered *H. aegilobates* Monard (1926) as a synonym of this species and stated that Czerniavsky's (1868) variety *pontica* has no systematic value; Apostolov & Marinov, 1988.

Harpacticus flexus Brady & Robertson, 1873

Amendments: Vilela, 1965; Bodin, 1970; Mielke, 1975; Apostolov & Marinov, 1988.

Harpacticus obscurus T. Scott, 1895

Amendments: Vos, 1945; Klie, 1949; Candeias, 1959; Marcus, 1960; Petkovski, 1964b; Apostolov & Marinov, 1988.

Redescription: Pallares, 1973a.

Harpacticus pulvinatus Brady, 1910

Amendments: Petkovski, 1964b; Pallares, 1968a and 1973a.

Harpacticus littoralis Sars, 1910

Amendments: Klie, 1949; Dussart, 1967; Apostolov & Marinov, 1988.

Harpacticus compsonyx Monard, 1926

Amendments: Marcus & Por, 1960: according to these authors, Brian's (1928) variety *nolisius* has no 'raison d'être', because of the variability of the species; Wells, 1967; Song & Chang, 1993.

Redescription: Marcus & Por, 1960; Vervoort, 1962.

Harpacticus gurneyi Jakubisiak, 1933

Redescription: Yeatman, 1962.

***Harpacticus furcatus* Lang, 1936**

Amendments: Pallares, 1975b.

Redescription and description of copepodids stages: Itô & Fukuchi, 1978.

*Species novae****Harpacticus islandicus* Klie, 1939, 1941a*****Harpacticus dubitabilis* Herbst, 1960*****Harpacticus pulex* Humes, 1964**

Specimens discovered on the skin of a porpoise and a manatee in Florida.

Harpacticus pacificus* Lang, 1965b**Harpacticus spinulosus* Lang, 1965b*****Harpacticus ponticus* (f) Marcus, 1967*****Harpacticus compressus* Frost, 1967*****Harpacticus uniremis japonicus* Chislenko, 1971*****Harpacticus furcatus patagonicus* Pallares, 1973a*****Harpacticus depressus* Pallares, 1973a*****Harpacticus parachelififer* (f) Chislenko, 1976*****Harpacticus nipponicus* Itô, 1976b**

Redescription: Song & Chang, 1993.

Harpacticus alevtinae* Chislenko, 1977**Harpacticus purpureus* Itô, 1979b**

Species close to *H. flexus*, *H. superflexus* and *H. spinulosus*, after Itô, 1979b.

Harpacticus dezhevi* (f) Chislenko, 1980**Harpacticus longiantennata* Apostolov & Petkovski, 1980*****Harpacticus flexulosus* Ceccherelli, 1988**

Synonym: *Harpacticus* aff. *flexus* Brady & Robertson *sensu* Ceccherelli & Rossin, 1979 (after Ceccherelli, 1988).

*Species incertae****Harpacticus arcticus* (Poppe, 1884)**

H. chelififer var *arcticus* Poppe was considered by Lang (1948) as a synonym of *H. uniremis* Kröyer, but was raised to species rank by Klie (1941a). However, Lang (1965b: p. 108) discussed Klie's opinion at length and concluded that 'var. *arcticus*' has to be considered as a synonym of *H. uniremis*.

***Harpacticus aegilobates* Monard, 1926**

Considered as a synonym of *H. nicaeensis* Claus by several authors, this species was maintained by Raibaut (1962). Vervoort (1964) did not discuss this taxonomic change.

Harpacticus septentrionalis Klie, 1941a

According to Lang (1965b), this species is a synonym of *H. uniremis*. However, Itô (1976b) disregarded this opinion and described a new subspecies: *H. septentrionalis yamadai*.

Harpacticus confusus Vervoort, 1964

The validity of this species was questioned by Lang (1965b).

Genus *Tigriopus* Norman, 1868

Key to the species: Bradford, 1967; Itô, 1969.

Tigriopus brevicornis (O.F. Müller, 1776)

Amendments: Chislenko, 1967; Carli & Fiori, 1977.

Tigriopus fulvus (Fischer, 1860)

Bozic (1960) reasserted the validity of this species after an indepth study of the genus *Tigriopus*.

Amendments: Carli & Fiori, 1977.

Tigriopus californicus (Baker, 1912)

Amendments: Monk, 1941; Pallares, 1968a; Ito, 1988.

Tigriopus angulatus Lang, 1933

Considered by Lang (1948) as a synonym of *T. californicus* (Baker), this species was redescribed by Bradford (1967) and Grindley (1971).

*Species novae**Tigriopus japonicus* Mori, 1938

Considered as a synonym of *T. californicus* (Baker) by Bozic (1960), this species was redescribed by Itô (1969).

Amendments: Itô, 1988.

Complete development study: Koga, 1970.

Tigriopus brachydactylus Candeias, 1959*Tigriopus minutus* Bozic, 1960*Tigriopus raki* Bradford, 1967*Tigriopus igai* Itô, 1977

Amendments: Itô, 1988.

Tigriopus kerguelenensis Soyer, Thiriot-Quievreux & Colomines, 1987*Tigriopus crozettensis* Soyer, Thiriot-Quievreux & Colomines, 1987*Species incerta**Tigriopus lilljeborgi northumbriensis* Mistakidis, 1949

Bozic (1960) was of the opinion that this 'variety' was a synonym of *T. fulvus* (Fischer). It must be emphasized that *T. lilljeborgi* Norman was considered by Lang (1948) as a synonym of *T. brevicornis*.

Genus *Harpacticella* Sars, 1908*Species novae**Harpacticella oceanica* Itô, 1977

Redescription: Song & Chang, 1993.

Harpacticella itoi Chang & Kim, 1991Genus *Perissocope* Brady, 1910

Key to the species: Watkins, 1987.

Perissocope xenus (Monard, 1926)

Amendments: Candeias, 1959.

*Species novae**Perissocope bayeri* Vervoort, 1964*Perissocope adiastratus* Wells, 1968*Perissocope exiguus* Pallares, 1975d*Perissocope biarticulatus* Watkins, 1987*Species incerta**Perissocope* sp. Huys *et al.*, 1996Genus *Paratigriopus* Itô, 1969*Paratigriopus hoshidei* Itô, 1969

Description of copepodid stages: Itô, 1976a.

Genus **Harpactichechus* Ortiz, Lalana & Torres Fundora, 1992*Harpactichechus manatorum* Ortiz, Lalana & Torres Fundora, 1992

Species living in 'association' with the manatee *Trichechus manatus*.

Subfam. *Zausodiinae* Lang, 1944Genus *Zaus* Goodsir, 1845

Reappraisal and Key to the species: Nicholls, 1942b.

Zaus spinatus spinatus Goodsir, 1845

Redescription: Itô, 1974.

***Zaus goodsiri* Brady, 1880**

Amendments: Pallares, 1979.

***Zaus aurelii* Poppe, 1884**

Synonymy: Similar to Lang (1965b), Itô (1980a) concluded that *Z. aurelii* Poppe *sensu* T. & A. Scott (1901) does not belong to this species. Moreover, Itô stated that *Z. aurelii sensu* Willey (1923) is likely to be a synonym of *Z. intermedius* Nicholls (1940), as well as *Z. caeruleus* Campbell (1929). Finally, *Z. serratus* Monk (1941) resembles *Z. aurelii* but is different in some characters. According to Itô (1980a) there was neither a report nor a proposed synonymy of *Z. aurelii* since the original description by Poppe in 1884.

Redescription: Itô, 1980a.

***Zaus abbreviatus* Sars, 1904**

Amendments: Chislenko, 1967 and 1977.

*Species novae****Zaus intermedius* Nicholls, 1940**

Considered as a possible synonym of *Z. caeruleus* (Campbell, 1929) by Lang (1965b), this species was completely redescribed by Itô (1974) who compared it with *Z. aurelii* Poppe.

Zaus serratus* Monk, 1941**Zaus sarsi* Nicholls, 1942b**

Nom. nov. (Nicholls, 1942b) for *Zaus aurelii* Poppe *sensu* Sars, 1909.

***Zaus spinatus hopkinsi* Lang, 1965b**

Synonym: *Z. spinatus* Goodsir *sensu* Monk (1941), after Lang (1965b).

***Zaus robustus* Itô, 1974**

Description of copepodids stages: Itô, 1976a.

Partial redescription: Itô, 1980a; Song & Chang, 1993.

***Zaus unisetosus* Itô, 1974**

Partial redescription: Song & Chang, 1993.

***Zaus hiranoi* Itô, 1980a**

Species close to *Z. intermedius*, after its author.

Zaus ainuensis* Chislenko, 1980Species incertae****Zaus latiremis* Monk, 1941**

Lang (1965b) expressed severe doubts about the specificity of this species.

***Zaus schaeferi* Klie, 1949**

Lang (1965b) expressed severe doubts about the specificity of this species.

***Zaus biunguiferus* n. sp.? Lang, 1965b**

According to Lang (1965b) this species seems close to *Zaus aurellii*.

Genus *Zausodes* C.B. Wilson, 1932*Species novae**Zausodes cinctus* Krishnaswamy, 1954*Zausodes sextus* Lang, 1965b*Zausodes septimus* Lang, 1965b

Redescription: Mielke, 1990a.

Zausodes areolatus Geddes, 1968bConsidered as close to *Z. sextus* Lang, after Geddes, 1968b.*Zausodes biarticulatus* Itô, 1979a*Species incertae**Zausodes stammeri* Jakobi, 1954b*Zausodes limigenus* (f) Jakobi, 1954b*Zausodes paranaguaensis* Jakobi, 1954b

These three species were considered questionable by Lang (1965b), mainly because of the inconsistencies between text and illustrations. Nevertheless they were included in the key given by Lang.

Genus *Zausopsis* Lang, 1934

Kunz (1963a) considered the genus *Zoausopsis* as a synonym of *Zaus.*, but Lang (1965b) rejected this opinion.

Zausopsis mirabilis Lang, 1934

Amendments: Pallares, 1968a.

*Species novae**Zausopsis contractus* (Thomson, 1882)Comb. nov. (Lang, 1965b) for *Zaus contractus* Thomson, 1882 ('*incerta sedis*' in Lang, 1948).*Zausopsis luederitzi* (f) (Kunz, 1963a)

Kunz (1963a) allocated the species *Zausopsis mirabilis* Lang from the genus *Zausopsis* to the genus *Zaus* and defined the 'form' *luederitzi*. Lang (1965b: p. 124) considered the form *luederitzi* as a distinct species in the genus *Zausopsis*.

Genus *Discoharpacticus* Noodt, 1954b*Discoharpacticus hoshidei* Itô, 1969

Description of copepodids stages: Itô, 1976a.

Fam. **TISBIDAE** Stebbing, 1910; Lang, 1944, 1948

Synonym: Marsteiniidae Drzycimski, 1969. The genus *Marsteinia* has been transferred to the family *Neobradyidae* by Huys *et al.*, 1996.

The family includes also the genera *Cholidyella* and *Brescianiana* Avdeev (1982), *Yunona* and *Tripartisoma* Avdeev (1983), and *Octopinella* Avdeev (1986), all found in the mantle cavity of cephalopods.

Key to the genera: Lang, 1965b (p. 145)

Subfam. **Tisbinae** Lang, 1944Genus *Tisbe* Lilljeborg, 1853

Key to the species and species groups: Volkmann, 1979a (for those found in Bermuda) and 1979c.

Tisbe furcata (Baird, 1837)

Amendments: Monk, 1941; Vos, 1945 (as *Tisbe (Idya) furcata*); Carvalho, 1952a; Pesta, 1959; Bodin, 1964; Chislenko, 1967; Mielke, 1974; Apostolov & Marinov, 1988.

Redescription: Bergmans, 1979; Dahms, Schminke & Pottek, 1991.

Based on an indepth study of the systematics of *Tisbe*, Volkmann-Rocco (1971) concluded that some authors confused *T. furcata* (Baird), *T. holothuriae* Humes and *T. helgolandica* Ühlig & Noodt (the latter considered now as a junior synonym of *T. holothuriae*).

Tisbe ensifer Fischer, 1860

Amendments: Candeias, 1959 (as *T. ensifera*); Chislenko, 1967.

Tisbe gracilis (T. Scott, 1895)

Amendments: Noodt, 1954b; Pesta, 1959; Yeatman, 1963; Dahms & Bergmans, 1988 (development).

Redescription: Volkman-Rocco, 1973a (based on specimens from Concarneau, France).

Tisbe longicornis (T. & A. Scott, 1896)

Amendments: Dussart, 1967 (f)

Tisbe minor (T. & A. Scott, 1896)

Description of the male: Roe, 1958.

Amendments: Chislenko, 1967.

Tisbe tenera (Sars, 1905)

Amendments: Pesta, 1959; Chislenko, 1967.

Tisbe tenella (Sars, 1911)

Description of the male: Klie, 1949.

Tisbe varians T. Scott, 1914

Description of the male: Pallares, 1968a.

Tisbe longisetosa Gurney, 1927

Description of nauplius and copepodid stages: Chua Thia-Eng, 1975.

Tisbe bermudensis Willey, 1930

Redescriptions: Volkmann, 1979a, who considered this species close to *T. longipes*.

Tisbe gurneyi (Lang, 1934)

Amendments: Kunz, 1963a; Wiborg, 1964.

Redescription: Pallares, 1970.

*Species novae****Tisbe johnsoni*** Monk, 1941

Described as a variety of *T. furcata*, *T. johnsoni* was raised to species rank by Volkmann-Rocco (1971).

Tisbe robusta Monk, 1941***Tisbe reticulata*** Bocquet, 1951

Amendments: Volkmann-Rocco, 1973b.

Tisbe celata Humes, 1954***Tisbe holothuriae*** Humes, 1957b

Synonyms: *T. helgolandica* Ühlig & Noodt, 1966 (after Volkmann-Rocco, 1971).

T. eurypleura Pinkster, 1968 (after Volkmann-Rocco, 1972b).

T. parviseta Pinkster, 1968 (after Volkmann-Rocco, 1972b).

T. lancii Marcotte, 1974 (after Volkmann, 1979c).

Amendments: Petkovski, 1964b.

Tisbe cucumariae Humes, 1957b

Synonym: *T. gracilis* (T. Scott) *sensu* Battaglia (1957, 1958), Battaglia & Malesani (1959, 1962), Pesta (1959), Coull (1970b), Coull & Herman (1970), and Marcotte & Coull (1974) (after Volkmann, 1979c).

Amendments: Vilela, 1968 (based on a free living specimen).

Tisbe histriana Marcus & Por, 1961***Tisbe monozota*** Bowman, 1962***Tisbe acanthifera*** Vervoort, 1962***Tisbe wirketissae*** (f) Chislenko, 1967***Tisbe clodiensis*** Battaglia & Fava, 1968***Tisbe reluctans*** Volkmann-Rocco, 1968***Tisbe persimilis*** Volkmann-Rocco & Fava, 1969

Sibling species of *T. reluctans*.

Tisbe pontina Volkmann-Rocco, 1969

Species very close to *T. holothuriae* (after Volkmann-Rocco, 1971).

Tisbe aragoi Battaglia & Volkmann-Rocco, 1970

Species very close to *T. reticulata* Bocquet.

Amendments: Volkmann-Rocco, 1973a.

Tisbe furcata tuberculata (f) Chislenko, 1971

Tisbe pori Betouhim-El & Kahan, 1972

Species close to *T. cucumariae* Humes.

Tisbe dobzhanskii Volkmann-Rocco & Battaglia, 1972

Sibling species of *T. clodiensis* Battaglia & Fava, 1968.

Tisbe carolinensis Volkmann-Rocco, 1972a

Tisbe bocqueti Volkmann-Rocco, 1972a

Tisbe lagunaris Volkmann-Rocco, 1972a

Tisbe bulbisetosa Volkmann-Rocco, 1972a

Synonym: *Tisbe* sp. Vilela, 1969 (after Bergmans, 1979).

Tisbe battagliai Volkmann-Rocco, 1972b

Sibling species of *T. holothuriae* Humes.

Tisbe biminiensis Volkmann-Rocco, 1973a

Species of the *gracilis*-group.

Synonym: *T. gracilis* (T. Scott) *sensu* Yeatman (1962, 1963), after Volkmann (1979c).

Tisbe marmorata Volkmann-Rocco, 1973b

Sibling species of *T. reticulata* and *T. aragoi*.

Tisbe pentataenia Volkmann-Rocco, 1973b

Sibling species of *T. reticulata* and *T. aragoi*.

Tisbe varipes Marcus, 1974a

Tisbe remanei Volkmann, 1975

Sibling species in the *holothuriae* group.

Tisbe prolata (f) Waghorn, 1979

Redescription: Bradford & Wells, 1983.

Tisbe coulli (f) Volkmann, 1979a

Tisbe ianthina Volkmann, 1979a

Tisbe longipes Volkmann, 1979a

T. bermudensis Willey *sensu* Yeatman (1976) may be synonymous with this species (Volkmann, 1979a).

Tisbe variana Volkmann, 1979a

Tisbe inflatiseta Volkmann, 1979c

Sibling species of *T. bulbisetosa*, cited (but not described) by Fava & Volkmann (1975).

Tisbe trisetosa Volkmann, 1979c

Tisbe elanítica (f) Volkmann, 1979c

Synonym: *Tisbe* aff. *bermudensis* Por & Marcus (1972), after Volkmann, 1979c.

The two species above belong to the *bermudensis*-group

Tisbe ramphigera Volkmann, 1979c

Species close to the *bermudensis*-group, after Volkmann, 1979c.

Synonyms: *T. tenera* (Sars)? *sensu* Coull (1970b) and *Tisbe* sp. Coull, 1971a (after Volkmann, 1979c).

Tisbe perplexa Volkmann, 1979c

Species of the *angusta*-group, after its author.

Synonym: *Tisbe* n. sp. Fava & Volkmann, 1975 (after Volkmann, 1979c).

Amendments: Vilela (1965), as *T. angusta* (after Volkmann, 1979c).

Tisbe gigantea Volkmann, 1979c***Tisbe denticulata*** Volkmann, 1979c***Tisbe maraensis*** Volkmann, 1979c

The three species above belong to the *gracilis*-group, after their author.

Tisbe japonica Ho, 1982

Species of the *gracilis*-group, after its author.

Tisbe spinulosa Bradford & Wells, 1983***Tisbe caymanensis*** Yeatman, 1984*Species incertae et incertae sedis**Tisbe elongata* (A. Scott, 1896)*Tisbe racovitzai* (Giesbrecht, 1902)

According to Volkmann (1979c), the two species above must be considered as 'incertae sedis'.

Tisbe longisetosa (f) Gurney? *sensu* Sewell, 1940*Tisbe dilatata* Klie, 1949

Amendments: Apostolov, 1973d; Apostolov & Marinov, 1988.

Redescription: Marcus, 1967.

Volkmann (1979c) assumed that this species could be either a synonym of *T. bulbisetosa*, or *T. inflatiseta*, or of another species...

Tisbe longicornis (m) (T. & A. Scott) *sensu* Margalef, 1953

Margalef's description and drawings are too inaccurate to be sure of the identification.

Tisbe sp. (f) Roe, 1959

Species close to *T. graciloides* (Sars), after Roe; but the description is very incomplete, lacking illustrations.

Tisbe sp. (f) Bozic, 1965 (p. 355)**Genus *Scutellidium*** Claus, 1866

Synonym: *Scutelopsis* Wiborg, 1964 (after Pallares, 1969).

Key to the species: Pallares, 1969; Branch, 1975.

Scutellidium longicauda (Philippi, 1840)

Amendments: Pesta, 1959; Yeatman, 1962; Pallares, 1968a; Apostolov, 1973b; Apostolov & Marinov, 1988.

Scutellidium hippolytes (Kröyer, 1863)

Amendments: Klie, 1949 (m); Chislenko, 1967; Mielke, 1974.

Scutellidium arthuri Poppe, 1884

Synonyms: *Sc. purpurocineta* Monk, 1941 and *Sc. dentipes* Vervoort, 1964 (after Vervoort, 1964, Lang 1965b and Branch, 1975).

Amendments: Monk, 1941; Apostolov & Marinov, 1988.

Redescription: Itô, 1976b.

Scutellidium plumosum Brady, 1899

Amendments: Wiborg, 1964; Pallares, 1969.

Scutellidium australe (T. Scott, 1912)

Amendments: Pallares, 1968a and 1975b.

Scutellidium ligusticum (Brian, 1920)

Amendments: Noodt, 1955a; Pesta, 1959.

*Species novae**Scutellidium lamellipes* Monk, 1941

Synonyms (?): *Sc. loureiroi* Jakobi (1954a) and *Sc. deseadensis* Pallares (1969); but descriptions of *Sc. lamellipes* and *Sc. loureiroi* are much too incomplete to be certain of them, after Branch (1975).

Scutellidium intermedium (Nicholls, 1941)

Comb. nov. (Lang, 1965b) for *Machairopus intermedium* Nicholls, 1941b.

Scutellidium cockburni (Fairbridge, 1944)

Comb. nov. (Lang, 1965b) for *Machairopus cockburni* Fairbridge, 1944.

Scutellidium armatus (Wiborg, 1964)

Comb. nov. (Pallares, 1969) for *Scutellopsis armatus* Wiborg, 1964.

Scutellidium strigosum Pallares, 1969*Scutellidium ringueleti* Pallares, 1969

Synonym: *Sc. spinatum* Hicks, 1971 (after Branch, 1975).

Scutellidium patellarum Branch, 1974*Scutellidium macrosetum* Branch, 1975

Species close to *Sc. armatus* (Wiborg).

Scutellidium hippolytes (Kröyer) *akaba* Itô, 1976b*Scutellidium longicauda* (Philippi) *acheloides* Itô, 1976b

Amendments: Song & Chang, 1995.

***Scutellidium boreale* Itô, 1976b**

Synonym (?): *Sc. hippolytes* (Kröyer) *sensu* Lang, 1965b.

Scutellidium hirutai* Itô, 1976b**Scutellidium caeneus* Itô, 1976b**

Itô (1976b) distinguished several groups within the '*Scutellidium* complex' and suggested a distribution of the known species over these groups.

Genus *Sacodiscus* Wilson, 1924***Sacodiscus ovalis* (C.B. Wilson, 1944)**

Comb. nov. (Humes, 1960 and Lang, 1965b) for *Unicalteutha ovalis* C.B. Wilson, 1944.

Species nova

Sacodiscus humesi* (f) Stock, 1960*Genus *Bathydia* Farran, 1926**

Contrary to Lang (1948) who considered this genus synonymous with *Tisbe*, Boxshall (1979) and Volkmann (1979c) favoured the reinstatement of it, with *B. remota* Farran (1926) as type-species.

Genus *Tisbella* Gurney, 1927

Review of the genus: Volkmann, 1979b.

***Tisbella timsae* Gurney, 1927**

Redescription: Volkmann, 1979b.

***Tisbella pulchella* (Wilson, 1932)**

Redescriptions: Yeatman, 1963; Volkmann, 1979b.

Species novae

Tisbella rosea* Volkmann, 1979b**Tisbella alba* Volkmann, 1979b**

Synonym: *T. timsae* Gurney *sensu* Willey, 1930, Coull, 1970b and Coull & Herman, 1970 (after Volkmann, 1979b).

Genus *Paraidya* Sewell, 1940

Contrary to Lang (1965b, p. 145), Humes & Ju-Shey Ho (1969b) considered the genus *Paraidya* distinct from the genus *Tisbe*.

***Paraidya major* Sewell, 1940**

Amendments: Humes, 1981c.

***Paraidya minor* Sewell, 1940**

Amendments: Humes, 1981c.

***Paraidya occulta* Humes & Ju-Shey Ho, 1969b.**

Genus *Tisbentra* Sewell, 1940

Genus accepted by Lang (1965b), close to *Tisbe* Lilljeborg and to *Tisbella* Gurney.

Tisbentra nankaurica (f) Sewell, 1940

Named, probably by mistake, *T. nicobarica* in Sewell's (1940, p. 119) species list.

Tisbentra jonesi Ummerkutty, 1960.Genus *Volkmannia* Boxshall, 1979*Volkmannia forficula* Boxshall, 1979*Volkmannia attenuata* (f) Boxshall, 1979Genus *Neotisbella* Boxshall, 1979*Neotisbella gigas* Boxshall, 1979Genus *Drescheriella* Dahms & Dieckmann, 1987

Genus very close to *Tisbe*, after its authors.

Drescheriella glacialis Dahms & Dieckmann, 1987Subfam. **Idyanthinae** Lang, 1944Genus *Zosime* Boeck, 1872

Key to the species: Bodin, 1968b; Coull, 1973c; Dinet, 1974.

Zosime incrassata Sars, 1910

Description of the male: Drzycimski, 1969; Coull, 1973c.

Zosime valida Sars, 1919

Amendments: Por, 1964a.

Zosime gisleni Lang, 1948

Amendments: Por, 1967 (Por allocated this genus to the **Tachidiidae**).

*species novae**Zosime erythraea* (f) Por, 1967*Zosime bathyalis* (f) Por, 1967*Zosime atlantica* (f) Bodin, 1968b*Zosime incrassata bathybia* (f) Bodin, 1968

Nom. nov. (Apostolov & Petkovski, 1980) for *Zosime bathybia* Bodin, 1968b.

Zosime paramajor (f) Bodin, 1968b

Description of the male: Coull, 1973c.

Zosime bergensis Drzycimski, 1968a

Zosime reyssi (f) Dinét, 1974

Zosime paratypica (f) Becker & Schriever, 1979

Zosime pacifica Fiers, 1991b

Species incertae

Zosime aff. *incrassata* Sars, Por, 1964a

Zosime cf. *gisleni* Lang (m), Arlt, 1983

Genus *Idyella* Sars, 1906

Species nova

Idyella kunzi Bodin, 1968b

Species incerta

Idyella cf. *pallidula* Sars, Arlt, 1983

Genus *Tachidiella* Sars, 1909

Key to the species: Lang, 1965b (p. 146).

Tachidiella minuta Sars, 1909

Description of the male: Klie, 1949.

Amendments: Pallares, 1979; Arlt, 1983.

Species incerta

Tachidiella parva (f) Lang, 1965b

There is a contradiction between the key and the diagnosis of this species in Lang (1965b, p. 146). The key indicates 5 seta on the Exp. P₅ while the description and drawing (p. 150) mentions only 4 on this leg.

Genus *Idyanthe* Sars, 1909

Idyanthe dilatata (Sars, 1905)

Amendments: Chislenko, 1967; Mielke, 1974.

Species nova

Idyanthe australis Pallares, 1970

Genus *Tachidiopsis* Sars, 1911

The designation of this genus ('*incertum sedis*' in Lang, 1948, p. 414) to the **Tisbidae** was confirmed by Dinét (1974).

Key to the species: Bodin, 1968b; Coull, 1973c; Dinet, 1974.

Tachidiopsis cyclopoidea Sars, 1911

Amendments: Drzycimski, 1969.

Species novae

Tachidiopsis sarsi (f) Bodin, 1968b

Tachidiopsis bozici Bodin, 1968b

Tachidiopsis laubieri (f) Dinet, 1974

Tachidiopsis parasimilis (f) Dinet, 1974

Tachidiopsis ibericus Becker, 1974

.It should be mentioned that this species was not included in the author's thesis (1972).

Genus *Idyellopsis* Lang, 1944

Idyellopsis typica Lang, 1944

Redescription: Gee & Fleeger, 1986.

Genus *Neoscutellidium* Zwerner, 1967

Neoscutellidium yeatmani (f) Zwerner, 1967

Genus *Peresime* Dinet, 1974

Peresime abyssalis Dinet, 1974

Peresime reducta (Becker & Schrieffer, 1979)

Comb. nov. (Wells, 1981) for *Zosime reducta* Becker & Schrieffer, 1979.

Subfam. **Cholidyinae** Boxshall, 1979

Boxshall created the Cholidyinae for the parasite genus *Cholidya* Farran (incorrectly spelt *Cholydia* by Avdeev, 1982).

Genus *Cholydia* Farran, 1914

Cholydia polypi Farran, 1914

Redescription: Humes & Voight, 1997.

Genus *Cholidyella* Avdeev, 1982

Cholidyella incisa Avdeev, 1982

Cholidyella intermedia (Bresciani, 1970)

Comb. nov. (Avdeev, 1982) for *Cholidya intermedia* Bresciani.

Cholidyella breviseta Avdeev, 1986

Cholidyella nesisi Avdeev, 1986

Genus *Brescianiana* Avdeev, 1982

Brescianiana rotundata (f) Avdeev, 1982

Genus *Tripartisoma* Avdeev, 1983

Tripartisoma trapezoidalis (f) Avdeev, 1983

Tripartisoma ovalis (f) Avdeev, 1983

Genus *Yunona* Avdeev, 1983

Yunona marginata (f) Avdeev, 1983

Genus *Octopinella* Avdeev, 1986

Octopinella tenacis Avdeev, 1986

Genus *Avdeevia* Bresciani & Lützen, 1994

Avdeevia antarctica Bresciani & Lützen, 1994

Genus incertum et species incerta sedis

Genus *Idyanthopsis* Bocquet & Bozic, 1955

Idyanthopsis psammophila Bocquet & Bozic, 1955

In his 'Revision der Paramesochridae', Kunz (1962) considered this species as a synonym of *Diarthrodella orbiculata* Klie (1949), which should be placed in the **Paramesochridae**. However we must notice that Klie (1949) allocated (actually with reserves) the new genus *Diarthrodella* first to the **Thalestridae**. The discovery of another species, *Diarthrodella secunda* Kunz (1954), "ne semble pas avoir apporté plus de clarté dans cette question" in the very opinion of Bozic (1964b, p. 222). Unfortunately, Lang did not mention *Idyanthopsis psammophila* in his 'Remarks on the taxonomy' about the **Tisbidae** (1965b, p. 145).

Fam. ***SUPERORNATIREMIDAE** Huys, 1996b

After Huys (1996b) this new family is placed in the tisbidimorph complex of families and seems to occupy an intermediate position between the two free-living tisbid subfamilies Tisbinae and Idyanthinae.”

Key to the genera: Huys, 1996b.

Genus ****Neoechinophora*** Huys, 1996b

Neoechinophora fosshageni Huys, 1996b

Neoechinophora daltonae Huys, 1996b

Neoechinophora jaumei (m) Huys, 1996b

Neoechinophora karaytugi (f) Huys, 1996b

Genus ****Superornatiremis*** Huys, 1996b

Superornatiremis mysticus Huys, 1996b

Genus ****Intercrusia*** Huys, 1996b

Intercrusia problematica (f) Huys, 1996b

Fam. **PORCELLIDIIDAE** Sars, 1904

Huys *et al.* (1996) rejected the Australian genera *Brevifrons*, *Tectacingulum*, *Kioloaria*, *Murramia* and *Acutiramus* recently defined by Harris (1994) and Harris & Robertson (1994) on the grounds that creation of new genera should wait a revision of the type-genus *Porcellidium*. Within the context of this catalogue, I can only state that the diagnoses of these genera are in accordance with the rules of the ICZN and, thus, they are listed below with their species.

Genus *Porcellidium* Claus, 1860

Review of the genus : Tiemann, 1975 ; Harris, 1994 and Harris & Robertson, 1994 (who distinguished three subgroups : *hormosirii*, *fimbriatum* and *naviculum* and created several new genera). Attempting to clarify the 'clavigerum complex', Harris & Iwasaki (1996b) created two new genera (*Clavigofera* and *Kushia*) and placed the species *P. clavigerum*, *P. ulvum*, *P. laurencium* and *P. echinophilum* in the new genus *Clavigofera*.

Porcellidium viride (Philippi, 1840)

Synonyms: *P. sarsi* Bocquet, 1948.

P. lecanoides roscoffensis Bocquet, 1948.

In an attempt to sort out the 'fimbriatum-lecanoides' complex with the help of some *Porcellidium* specimens found in Roscoff (France) Bocquet (1948) was convinced that *P. fimbriatum* from Claus and those from Sars were not conspecific. He gave the name *P. sarsi* to Sars' specimens while the name *roscoffensis* was introduced to designate a form of *P. lecanoides* Claus from Roscoff. Whatever the opinions of Lang (1948), Kunz (1963a) and Vervoort (1964) are regarding the synonymy between *P. lecanoides* and *P. viride*, the latter remains the only one accepted today.

Amendments: Nicholls, 1941a (as *P. fimbriatum*); Apostolov & Marinov, 1988.

Porcellidium tenuicauda Claus, 1860

Redescription: Bocquet, 1948 (who confirmed the synonymy of *P. dentatum* Claus with this species).

Porcellidium fimbriatum Claus, 1863

Considered as a synonym of *P. viride* by Lang (1948), Kunz (1963a) and Vervoort (1964), this species was reinstated and completely redescribed by Tiemann (1978).

Porcellidium ravanae Thompson & A. Scott, 1903

Amendments and description of the male: Wells & Rao, 1987.

Porcellidium affine Quidor, 1906

Amendments: Nicholls, 1941a (as *P. australe* Brady).

Species novae

Porcellidium malleatum Vervoort, 1964*Porcellidium tristanense* Wiborg, 1964

Synonym: *P. peniculiferum* Tiemann, 1978 (after Hicks, 1982b).

Redescription: Hicks, 1982b.

Porcellidium rubrum Pallares, 1966

Amendments: Pallares, 1968a.

Porcellidium trisetosum Geddes, 1968c

Porcellidium unicus Ummerkutty, 1970

Porcellidium dilatatum Hicks, 1971

Porcellidium erythrum Hicks, 1971

Corrections: Hicks, 1982b.

Porcellidium planum Tiemann, 1977

Species close to *P. dilatatum* Hicks, after Tiemann, 1977.

Porcellidium hartmannorum Tiemann, 1978

Species close to *P. rubrum* Pallares, and assigned to the *fimbriatum* group, after Tiemann, 1977.

Porcellidium algoense Hicks, 1982b

Species close to *P. rubrum*, *P. erythrum* and *P. hartmannorum*, after Hicks, 1982b.

Porcellidium tapui Hicks & Webber, 1983

Species compared with *P. brevicaudatum* Thompson & A. Scott, 1903.

Porcellidium paguri Ho, 1986

Porcellidium londonii Harris, 1994

Porcellidium hormosirii Harris & Robertson, 1994

Porcellidium erythrogastrum Harris & Robertson, 1994

Porcellidium ocellum Harris & Robertson, 1994

Porcellidium phyllosporum Harris & Robertson, 1994

Porcellidium pulchrum Harris & Robertson, 1994

Porcellidium naviculum Harris & Robertson, 1994

Porcellidium ofunatense Harris & Iwasaki, 1996a

Porcellidium kiiroum Harris & Iwasaki, 1996a

Porcellidium akashimum Harris & Iwasaki, 1996a

Species incertae

Porcellidium fulvum Thomson, 1882

Amendments: Nicholls, 1941a.

Porcellidium sp. (f) Ummerkutty, 1966

Porcellidium sp. (f) Gamô, 1969a

Porcellidium sp. Mizuno & Gamô, 1991

Genus **Acutiramus* Harris & Robertson, 1994*Acutiramus acuticaudatus* (Thompson & A. Scott, 1903)Comb. nov. (Harris & Robertson, 1994) for *Porcellidium acuticaudatum* Thompson & A. Scott, 1903.*Acutiramus brevicaudatus* (Thompson & A. Scott, 1903)Comb. nov. (Harris & Robertson, 1994) for *Porcellidium brevicaudatum* Thompson & A. Scott, 1903.Redescription of the female and description of the male: Humes & Ho, 1969b (as *Porcellidium brevicaudatum*).*Acutiramus ovatus* (Geddes, 1968)Comb. nov. (Harris & Robertson, 1994) for *Porcellidium ovatum* Haller, 1879 *sensu* Geddes, 1968c (not *ovale* as written in Harris & Robertson's abstract).*Acutiramus rufolineatus* Harris & Robertson, 1994*Acutiramus quinquelineatus* Harris & Robertson, 1994Genus **Tectacingulum* Harris, 1994*Tectacingulum tumidum* Harris, 1994*Tectacingulum nigrum* Harris, 1994Genus **Murramia* Harris, 1994*Murramia magna* Harris, 1994*Murramia bicincta* Harris, 1994Genus **Kioloaria* Harris, 1994*Kioloaria sesquimaculata* Harris, 1994Genus **Brevifrons* Harris, 1994*Brevifrons faviolatum* Harris, 1994Genus **Clavigofera* Harris & Iwasaki, 1996b*Clavigofera pacifica* Harris & Iwasaki, 1996bIn addition to the type-species above, the genus *Clavigofera* should include the following species:*Clavigofera clavigera* (Pesta, 1935)Comb. nov. for *Porcellidium clavigerum* Pesta, 1935 (after Harris & Iwasaki, 1996b).Species considered as a synonym of *P. viride* var. *macrurum* (Monard) by Kunz, 1963a.Amendments: Marques (1977) and Hicks (1982b) as *Porcellidium clavigerum*.

Clavigofera echinophila (Humes & Gelerman, 1962)

Comb. nov. for *Porcellidium echinophilum* Humes & Gelerman, 1962 (after Harris & Iwasaki, 1996b).

Amendments: Hicks, 1982b, as *Porcellidium echinophilum*.

Clavigofera laurencia (Hicks, 1982b)

Comb. nov. for *Porcellidium laurencium* Hicks, 1982b (after Harris & Iwasaki, 1996b).

Synonym: *P. clavigerum* Pesta *sensu* Wells (1967) and Marques (1977), after Hicks (1982b).

Clavigofera ulva (Hicks, 1982b)

Comb. nov. for *Porcellidium ulvum* Hicks, 1982b (after Harris & Iwasaki, 1996b).

P. laurencium and *P. ulvum* belong to the '*P. clavigerum*-*echinophilum* complex', after Hicks (1982b).

Genus ****Kushia*** Harris & Iwasaki, 1996b

Kushia gamoi Harris & Iwasaki, 1996b

Kushia zosteraphila Harris & Iwasaki, 1996b

Kushia igaguria Harris & Iwasaki, 1996b

Fam. **PELTIDIIDAE** Sars, 1904

Key to the genera: Hicks, 1976, 1986a.

Genus *Peltidium* Philippi, 1839

Peltidium robustum (Claus, 1889)

Amendments: Marques, 1961.

Peltidium ovale Thompson & A. Scott, 1903

Uncertainties remain about the sex described by Thompson & A. Scott, after Wells & Rao, 1987.

Redescription of the male: Gamô, 1969a.

Amendments: Wells & Rao, 1987.

Peltidium angulatum Thompson & A. Scott, 1903

Redescription of the female: Wells & Rao, 1987.

Species novae

Peltidium maldivianum (f) Sewell, 1940

Peltidium simplex Nicholls, 1941a

Peltidium proximum Nicholls, 1941a

Peltidium defreitasi (f) Wells, 1967

Peltidium laudatum Tanaka & Hue, 1968

Peltidium nichollsi (f) Geddes, 1968c

Peltidium lernerii (f) Geddes, 1968c

Peltidium perturbatum Geddes, 1968c

Peltidium fenestratum Geddes, 1968c

Species incertae

Peltidium speciosum Thompson & A. Scott, 1903

Synonym: *Peltidium minutum* A. Scott, 1909 (after Nicholls, 1941a). But Wells & Rao (1987) doubted the validity of this species.

Amendments and description of the male: Nicholls, 1941a.

Peltidium sp. A (m) and *Peltidium* sp. B (m) Wells & Rao, 1987

According to Wells & Rao, each of these two forms could represent the male of *P. angulatum*.

Genus *Alteutha* Baird, 1845

Alteutha depressa (Baird, 1837)

Synonyms (after Hicks, 1982b):

Alteutha austrina T. Scott, 1912

Alteutha langi Monk, 1941

? *Alteutha signata* Brady *sensu* Nicholls, 1941a

Alteutha littoralis Pallares, 1968a

Alteutha littoralis Pallares *sensu* Hicks, 1977.

Amendments: Petkovski, 1955c; Wiborg, 1964; Pallares, 1968a (as *A. austrina* T. Scott); Hicks, 1982b (m); Song & Chang, 1995.

Alteutha interrupta (Goodsir, 1845)

Amendments: Vos, 1945; Klie, 1949; Shen & Bai, 1956; Dahms, 1989.

Alteutha oblonga (Goodsir, 1845)

Amendments: Klie, 1949.

Alteutha typica Czerniavski, 1868

Amendments: Apostolov, 1973d; Apostolov & Marinov, 1988.

Redescription: Por, 1960a (who reinstated this species considered as a synonym of *A. depressa* (Baird) by Lang, 1948).

Alteutha sarsi Monard, 1924

Amendments: Hicks, 1982b.

Species novae

Alteutha spinicauda Nicholls, 1941a

Alteutha sewelli Krishnaswamy, 1953

Alteutha rara (f) Jakobi, 1954a

Alteutha roeae Hicks, 1982b

Synonym: *Alteutha* sp. (f) Roe (1958), after Hicks.

Alteutha polarsternae Dahms, 1992

Genus *Eupelte* Claus, 1860

Synonym: *Paralteutha* T. Scott, 1912 (after Hicks, 1986a).

Key to the species: Hicks, 1982b.

Eupelte gracilis Claus, 1860

Redescription of the female: Pesta, 1959; Pallares, 1968b (but Wells & Rao, 1987 doubted that Pallares' specimens belong to this species).

Eupelte villosa (Brady, 1910)

Amendments: Pallares, 1975b (as *Paralteutha villosa*); Dahms, 1992.

Species novae

Eupelte setacauda Monk, 1941

Eupelte simile (Monk, 1941)

Comb. nov. (Hicks, 1986a) for *Paralteutha simile* Monk, 1941.

Redescription: Itô, 1974 (as *Paralteutha simile*).

Eupelte tristanensis Wiborg, 1964*Eupelte minuta* (Ramirez, 1971)

Comb. nov. (Hicks, 1986a) for *Paralteutha minuta* Ramirez, 1971.

Eupelte regalis Hicks, 1971

Corrections: Hicks, 1982b.

Eupelte acutispinis Zhang & Li, 1976*Eupelte hexaseta* (f) Hicks, 1982b*Eupelte beckleyae* Hicks, 1982b

Species close to *E. tristanensis*, after Hicks, 1982b.

Eupelte aurulenta Wells & Rao, 1987Genus *Parapeltidium* A. Scott, 1909*Species novae**Parapeltidium dubium* (m) Nicholls, 1941a*Parapeltidium cristatum* Nicholls, 1941a*Parapeltidium nichollsi* Ummerkutty, 1970Genus *Alteuthellopsis* Lang, 1944*Species nova**Alteuthellopsis corallina* Humes, 1981b

Species found in washings of different scleractinians.

Genus *Neopeltopsis* Hicks, 1976*Neopeltopsis pectinipes* Hicks, 1976*Neopeltopsis hicksi* Pallares, 1979Genus *Alteuthoides* Hicks, 1986a*Alteuthoides kootare* Hicks, 1986a

Fam. **CLYTEMNESTRIDAE** A. Scott, 1909

Boxshall (1979) pointed out that the name **Pseudopeltidiidae** Poppe (1891) is not valid and must be replaced by **Clytemnestridae**.

Genus *Clytemnestra* Dana, 1848

Clytemnestra rostrata (Brady, 1883)

Amendments: Carvalho, 1945, 1952a; Dawson & Knatz, 1980.

Clytemnestra scutellata Dana, 1848

Amendments: Dawson & Knatz, 1980.

Fam. **TEGASTIDAE** Sars, 1904

Key to the genera: Cottarelli & Baldari, 1987c.

Genus *Tegastes* Norman, 1903

Tegastes longimanus (Claus, 1863)

Amendments: Klie, 1949; Pesta, 1959; Apostolov & Marinov, 1988.

Tegastes falcatus (Norman, 1868)

Amendments: Chislenko, 1967.

Tegastes nanus Sars, 1904

Amendments: Chislenko, 1967.

Redescription: McAlice & Coffin, 1990.

Tegastes clausi Sars, 1904

Amendments: Klie, 1949; Dahms, 1989.

Tegastes calcaratus Sars, 1910

Amendments and description of the male: Pesta, 1959.

Tegastes areolatus Monard, 1935

Amendments: Pesta, 1959.

Species novae

Tegastes minutus (f) Sewell, 1940

Tegastes brasiliensis (f) Jakobi, 1953b

Tegastes dalmatinus (f) Petkovski, 1955c

Tegastes porosus (f) Petkovski, 1955c

Tegastes riedli (f) Pesta, 1959

Tegastes elenae Marcus, 1963

Tegastes perforatus (m) Lang, 1965b

Tegastes knoepffleri Médioni & Soyer, 1967b

Tegastes georgei Marcus & Masry, 1970

Tegastes singularisaetus Marcus, 1977

Tegastes pygmaeus Marcus, 1977

Tegastes fernandici Pallares, 1979

Tegastes acroporanus Humes, 1981a

Species close to *T. georgei* Marcus & Masry, after Humes, 1981a.

Tegastes cnidicus Humes, 1981b

Tegastes gemmeus Humes, 1984

Species living in association with the scleractinian *Cyphastrea ocellina*.

Tegastes paulipes Humes, 1984

Species living in association with the scleractinian *Pocillopora verrucosa*.

Species incertae

Tegastes falcatus (Norman)? *sensu* Pesta, 1959

Tegastes sp. (m) Noodt, 1958b

Species compared with *T. dalmatinus* Petkovski by Lang (1965b).

Tegastes sp. Pesta, 1959

The author assumed that his specimens were conspecific with *T. neapolitanus* (Claus).

Tegastes sp. (m) Geddes, 1968c

Genus *Parategastes* Sars, 1904

Key to the species: Kunz, 1980.

Parategastes sphaericus (Claus, 1863)

Synonym: *P. sphaericus punicus* Monard, 1935 (after Candeias, 1959).

Amendments: Vos, 1945; Jakobi, 1953b (as *P. sphaericus punicus*); Candeias, 1959.

Redescription: Pallares, 1970.

Species novae

Parategastes herteli Jakobi, 1953b

Parategastes caprinus Wellershaus, 1970

Parategastes coetzei Kunz, 1980

Species close to *P. caprinus* Wellershaus and above all to *P. herteli* Jakobi, after Kunz, 1980.

Parategastes conexus Humes, 1984

Species living in association with the alcyonarian *Stereonephthya ulicoides*.

Genus *Syngastes* Monard, 1924

Syngastes cornalinus Monard, 1924

Amendments: Pesta, 1959.

Redescription of the female: Geddes, 1968c.

Syngastes pietschmanni Pesta, 1932

Description of the male: Marcus, 1977.

Redescription of the female: Geddes, 1968c.

Amendments: Tanaka & Hue, 1968.

Species novae

Syngastes indicus (f) Sewell, 1940

Syngastes serratus (m) Lang, 1965b

Syngastes glomeratus (f) Geddes, 1968c

Syngastes gibbus Geddes, 1968c

Syngastes langi Geddes, 1968c

Syngastes tanzaniae (f) Marcus, 1977

Syngastes kunzi (f) Marcus, 1977

Syngastes spinifer Fiers, 1983

Syngastes craterifer Bartsch, 1993

Syngastes foveatus Bartsch, 1994

Syngastes parilis Bartsch, 1994

Syngastes porellus Bartsch, 1994

Syngastes dentipes Bartsch, 1995

Species incertae

Syngastes sp. (f) Krishnaswamy, 1957b

Syngastes sp. (f) Ummerkutty, 1966

Genus *Feregastes* Fiers, 1986c

Feregastes wellensi Fiers, 1986c

Genus **Arawella* Cottarelli & Baldari, 1987c

Arawella alexandri Cottarelli & Baldari, 1987c

Fam. **THALESTRIDAE** Sars, 1905 *sensu* Lang, 1948

Key to the genera: Lang, 1965b (p. 169). But Huys (1990a) deeply revised the Rhynchothalestrinae and created two related new families: the **Hamondiidae** and the **Ambunguipediidae**. The latter comprises the species *Rhynchothalestris rufocincta*, *R. similis*, *R. cornuta* and *R. vanhoeffeni*, while *R. helgolandica* and *R. campbelliensis* remain in the **Thalestridae**.

Subfam. **Thalestrinae** Lang, 1936Genus *Thalestris* Claus, 1863*Thalestris longimana* Claus, 1863

Amendments: Vos, 1945; Chislenko, 1967; Apostolov & Marinov, 1988; Dahms, 1989.

Thalestris rufoviolacens Claus, 1866

Amendments: Apostolov & Marinov, 1988.

Thalestris rhodymeniae (Brady, 1894)

Redescription: Harding, 1954. According to Harding (1954) this species is close to *Th. purpurea* Sars and both may have been confused. Furthermore, Harding assumed that the copepod identified by Brady (1891) as *Harpacticus chelififer* could be *Th. rhodymeniae*.

*Species nova**Thalestris gigas* Chislenko, 1980Genus *Amenophia* Boeck, 1865*Amenophia peltata* Boeck, 1865

Amendments: Chislenko, 1967 and 1977.

Amenophia pulchella Sars, 1906

Amendments: Roe, 1958.

*Species nova**Amenophia orientalis* Ho & Hong, 1988Genus *Parathalestris* Brady & Robertson, 1873

Key to the species: Lang, 1965b (p. 170).

Parathalestris harpactoides (Claus, 1863)

Amendments: Apostolov, 1972; Apostolov & Marinov, 1988.

Parathalestris clausi (Norman, 1868)

Amendments: Klie, 1949; Apostolov, 1972; Apostolov & Marinov, 1988.

Parathalestris intermedia Gurney, 1930

Amendments: Vos, 1945; Chislenko, 1967; Mielke, 1975.

Parathalestris incerta Lang, 1936

Amendments: Pallares, 1968a.

Parathalestris similis Lang, 1936

Amendments: Wiborg, 1964.

Parathalestris ganio Brehm, 1938

Amendments: Pallares, 1975b.

Species novae

Parathalestris irelandica Roe, 1958

Parathalestris bulbiseta Lang, 1965b

Parathalestris californica Lang, 1965b

Parathalestris dovi Marcus, 1966

Amendments: Bodin, 1973; Apostolov & Marinov, 1988.

Parathalestris cambriensis Wells, 1964

Parathalestris verrucosa Itô, 1970

Parathalestris pacificus Chislenko, 1971

Parathalestris areolata Itô, 1972a

Parathalestris patagonica Pallares, 1975d

Parathalestris vinosa Pallares, 1975d

Parathalestris aurantiaca Pallares, 1975d

Parathalestris plumiseta Moore, 1976a

Parathalestris mourei Masunari, 1988

Parathalestris infestus Ho & Hong, 1988

Species incertae

Parathalestris sp.? Bodin, 1964

Intermediate form between *P. harpactoides* (Claus) and *P. clausi* (Norman).

Parathalestris dovi Marcus? *sensu* Apostolov, 1977

Genus *Phyllothalestris* Sars, 1905

Phyllothalestris mysis (Claus, 1863)

Synonyms: *P. orientalis* Sewell, 1940 (after Noodt, 1955a).

P. sarsi Sewell *sensu* Wells (1967), after Wells & Rao, 1987.

Amendments: Apostolov, 1973d; Yeatman, 1976; Apostolov & Marinov, 1988.

*Species novae****Phyllothalestris harringtoni*** Willey, 1935

Originally described as a 'form' (*Phyllothalestris mysis* f. *harringtoni*), it was raised to specific rank by Sewell (1940), which was confirmed by Geddes (1969).

Phyllothalestris sarsi Sewell, 1940

Synonym: *P. lata* Nicholls, 1942a (after Geddes, 1969).

*Species incerta****Phyllothalestris*** sp. (m) (Por, 1964)

Comb. nov. (Lang, 1965b) for *Eudactylopus* aff. *latipes* Por, 1964a.

Subfam. **Rhynchothalestrinae** Lang, 1948

This subfamily was deeply revised by Huys, 1990a.

Genus ***Rhynchothalestris*** Sars, 1905

After Huys (1990a), the genus comprises only the following species:

Rhynchothalestris helgolandica (Claus, 1863)

Amendments: Chislenko, 1967.

Redescription: Huys, 1990a.

Rhynchothalestris campbelliensis Lang, 1934

Synonym: *Rhynchothalestris helgolandica campbelliensis* Lang (1934), after Huys, 1990a.

Redescription: Huys, 1990a.

Amendments: Pallares, 1968a.

*Species nova****Rhynchothalestris tenuis*** (f) Chislenko, 1971*Species inquirenda*

Rhynchothalestris tenuicornis (Brady, 1910), after Huys (1990a) because of Brady's inaccurate illustrations.

Genus ***Peltthestris*** Monard, 1924

Diagnosis: Huys, 1990a.

Subfam. **Dactylopusiinae** Lang, 1936Genus ***Diarthrodes*** Thomson, 1882

Key to the species: Lang, 1965b and, to species of southern hemisphere, Pallares, 1977.

Diarthrodes nobilis (Baird, 1845)

Amendments: Chislenko, 1967; Pallares, 1968b; Michailova-Neikova & Voinova-Stavreva, 1971; Apostolov, 1973d; Apostolov & Marinov, 1988.

Diarthrodes minutus (Claus, 1863)

Amendments: Apostolov & Marinov, 1988.

Diarthrodes ponticus (Kritzagin, 1873)

Synonyms: *D. dubius* (Brian, 1921), after Lang, 1948, 1965b. Por (1960a) raised the variety *Westwoodia assimilis* var. *dubia* Brian (1921) to specific rank, and considered *D. mediterraneus* (Monard, 1928) as a junior synonym of *D. dubius*, which was confirmed by Lang (1965b). However, Lang (*op. cit.*) maintained his previous opinion (Lang, 1948, p. 527) about the synonymy between *D. dubius* and *D. ponticus*.

Amendments: Pesta, 1959; Por, 1960a (as *D. dubius*); Apostolov, 1973d; Apostolov & Marinov, 1988.

Diarthrodes major (T. & A. Scott, 1895)

Redescription of the male: Chislenko, 1967.

Diarthrodes pygmaeus (T. & A. Scott, 1895)

Amendments: Apostolov & Marinov, 1988.

Diarthrodes assimilis (Sars, 1906)

Amendments: Apostolov & Marinov, 1988.

Redescription of the male (?): Apostolov, 1972.

Diarthrodes nanus (T. Scott, 1914)

Description of the male: Pallares, 1977.

*Species novae**Diarthrodes feldmanni* Bocquet, 1953*Diarthrodes cystoecus* Fahrenbach, 1954

The author described the male instead of the female, after Lang (1965b, p. 182). The latter assumed that the female was described as *D. imbricatus* (Brady) by Sewell, 1940.

Redescription: Fahrenbach, 1962; Wells & Rao, 1987.

Amendments: Pallares, 1977, who assumed that *D. cystoecus* could be a synonym of *D. feldmanni*.

Diarthrodes falcipes Marinoni, 1964*Diarthrodes dissimilis* Lang, 1965b*Diarthrodes unisetosus* (f) Lang, 1965b*Diarthrodes hirami* Por, 1967*Diarthrodes glaber* Wells, 1967*Diarthrodes fahrenheiti* (f) Bodin, 1968b*Diarthrodes drachi* Bodiou, 1974*Diarthrodes gravellicola* (f) Soyer, 1975b

Diarthrodes ponticus subsp. *orientalis* Apostolov, 1975

Amendments: Apostolov & Marinov, 1988.

Diarthrodes tetrastachyus Yeatman, 1976

Diarthrodes parvulus Pallares, 1977

Diarthrodes lilacinus Pallares, 1977

Diarthrodes latisetosus Chislenko, 1978

Diarthrodes zavodniki (m) Apostolov & Petkovski, 1980

Diarthrodes brevipes (f) Wells & Rao, 1987

Genus *Dactylopusia* Norman, 1903

Synonymy: *Dactylopodia* Lang, 1948.

Among others, Vervoort (1964) contested the introduction of *Dactylopodia* *nom. nov.* by Lang (1948) and suggested to reinstate *Dactylopusia*. Brinck (1964), however, was of the opposite opinion. For the majority of harpacticoid specialists, it seemed preferable to abandon a genus name (*Dactylopusia*) of which the definition encompassed species belonging to three different genera. But in 1985 the International Commission of Zoological Nomenclature decided to reinstate the genus *Dactylopusia* (type-genus of the Dactylopusiinae, *nom. nov.* for Dactylopodiinae) and designated *Dactylopusia tisboides* (Claus, 1863) as the type-species (Melville, 1985).

Dactylopusia tisboides (Claus, 1863)

Synonym: *Dactylopodia tisboides* (Claus) *sensu* Lang, 1948.

Amendments: Bodin (1964), Vilela (1965) and Lang (1965b) (as *Dactylopodia tisboides*); Pallares, 1968a; Apostolov, 1973d; Apostolov & Marinov, 1988 and Wells & Rao, 1987 (as *Dactylopodia tisboides*).

Dactylopusia neglecta Sars, 1905

Amendments: Mielke, 1974 (as *Dactylopodia neglecta*).

Dactylopusia micronyx Sars, 1905

Amendments: Vos, 1945.

Dactylopusia vulgaris Sars, 1905

Amendments: Wiborg, 1964; Mielke, 1974; Chislenko, 1977; Apostolov & Marinov, 1988 (all as *Dactylopodia vulgaris*).

Dactylopusia vulgaris var. *dissimilis* Brian, 1921

Amendments: Pesta, 1959 (as *Dactylopodia vulgaris dissimilis*).

Dactylopusia glacialis Sars, 1909

Amendments: Lang, 1965b (as *Dactylopodia glacialis*).

Dactylopusia euryhalina Monard, 1935

Synonym: *Dactylopodia vulgaris holsatica* Noodt, 1953 (after Lang, 1965b and Monchenko, 1967a).

Amendments: Mielke, 1974 (as *Dactylopodia euryhalina*).

Redescription: Monchenko, 1967a (as *Dactylopodia euryhalina*).

***Dactylopusia falcifera* Willey, 1935**

In his monograph (1948), Lang suspected Willey of having mixed, as *Dactylopusia falcifera*, a species of the genus *Dactylopusia* and a species of the genus *Diarthrodes*. But, he reconsidered his opinion (1948, p. 527, 555) based upon the indications given in Sewell (1940, p. 223), and confirmed this afterwards (Lang, 1965b, p. 192).

*Species novae****Dactylopusia falcifera pallida* (f) Sewell, 1940*****Dactylopusia falcifera violacea* Sewell, 1940**

Remark: Lang (1965b) did not discuss the value of these two 'forms'.

***Dactylopusia vulgaris inornata* (f) (Lang, 1965)**

Nom. nov. for *Dactylopodia vulgaris inornata* Lang, 1965b.

***Dactylopusia crassipes* (Lang, 1965)**

Synonym: *Dactylopodia glacialis* (Sars) *sensu* Chappuis, 1958 (after Lang, 1965b).

***Dactylopusia paratisboides* (Lang, 1965b)**

Synonym: *Dactylopodia tisboides* (Claus) *sensu* Chappuis, 1958 (after Lang, 1965b).

***Dactylopusia brozkiae* (f) (Chislenko, 1967)**

Nom. nov. for *Dactylopodia brozkiae* Chislenko, 1967.

***Dactylopusia pontica* (f) (Apostolov, 1968)**

Nom. nov. for *Dactylopodia pontica* Apostolov, 1968a.

***Dactylopusia glacialis* Sars *lazurica* (f) (Chislenko, 1971)**

Nom. nov. for *Dactylopodia glacialis* (Sars) *lazurica* Chislenko, 1971.

***Dactylopusia longyearbyenensis* (m) (Mielke, 1974)**

Nom. nov. for *Dactylopodia longyearbyenensis* Mielke, 1974.

***Dactylopusia pecten* (Pallares, 1975)**

Nom. nov. for *Dactylopodia pecten* Pallares, 1975d.

***Dactylopusia decostata* (Pallares, 1975)**

Nom. nov. for *Dactylopodia decostata* Pallares, 1975d.

***Dactylopusia wrangeli* (f) (Chislenko, 1982)**

Nom. nov. for *Dactylopodia wrangeli* Chislenko, 1982.

*Species incertae****Dactylopusia incerta* (f) (Serban, 1959)**

Nom. nov. for *Dactylopodia incerta* Serban, 1959. In the opinion of the author this 'temporary name' designates a form of which the systematic position is uncertain.

***Dactylopusia falcifera* Willey? Candeias, 1959**

Nom. nov. for *Dactylopodia falcifera* (Willey)? *sensu* Candeias, 1959.

Dactylopusia sp.? (m) (Bodin, 1964)

Nom. nov. for *Dactylopodia* sp.? Bodin, 1964.

Genus *Paradactylopodia* Lang, 1944

Key to the species: Kunz, 1983.

Paradactylopodia latipes (Boeck, 1865)

Amendments: Vos, 1945 (as *Dactylopusia latipes*); Apostolov, 1973d; Apostolov & Marinov, 1988.

Paradactylopodia brevicornis (Claus, 1866)

Wells & Rao (1987) specified that the specificity of this species in comparison with *P. latipes* is doubtful.

Amendments: Noodt, 1955a; Vilela, 1965; Boer, 1971; Pallares, 1975e; Wells & Rao, 1987; Apostolov & Marinov, 1988.

Redescription of the male: Chislenko, 1967.

Paradactylopodia oculata (Gurney, 1927)

Species novae

Paradactylopodia serrata Lang, 1965b

Paradactylopodia hexarticulata (f) Kunz, 1975b

Paradactylopodia striata Kunz, 1983

Paradactylopodia trioculata Hicks, 1988b

Species incerta

Paradactylopodia oculata (Gurney) *sensu* Yeatman, 1962.

Genus *Eudactylopus* A. Scott, 1909

Eudactylopus robustus (Claus, 1863)

Amendments: Wells & Rao, 1987.

Eudactylopus latipes (T. Scott, 1893)

Amendments: Carvalho, 1952a; Noodt, 1955d; Tanaka & Hue, 1968.

Description of the male: Noodt, 1955d (?); Raibaut, 1962.

The species has been split up in several forms which became subject of much discussion.

In 1940 Sewell described the form *andrewi* for 'indo-pacific' specimens, while the form *typica* was attributed to the Atlantic specimens. Vervoort (1964) raised the form *andrewi* to species rank and suggested to name the two forms described by Sewell: *E. andrewi andrewi* and *E. andrewi atlanticus*. But Lang (1965b) decided to keep Sewell's nomenclature and redescribed the female of the form *E. latipes typica* after specimens from Monterey Bay (California). Noodt (1955d) claimed to have found *E. latipes typica* in the Sea of Marmara, but Lang (1965b) assumed that those specimens were in fact *E. spectabilis* (Brian). Finally, contrary to the opinions of Vervoort (1964) and Lang (1965b), Itô (1974) thought that the form *atlanticus* Vervoort of *E. andrewi* Sewell must be raised to species rank; he completely redescribed *E. andrewi* and all its copepodid stages.

Eudactylopus spectabilis (Brian, 1923)

Synonym: *E. latipes typica* Sewell *sensu* Noodt, 1955d (after Lang, 1965b).

Amendments: Pesta, 1959; Marcus & Por, 1960.

Redescription: Chang & Song, 1995.

Species novae

Eudactylopus andrewi Sewell, 1940

Nom. nov. (Itô, 1974) for *E. latipes andrewi* and for *E. andrewi andrewi* Vervoort (1964).

Amendments: Wells & Rao, 1987; Chang & Song, 1995.

Redescription: Itô, 1974.

Eudactylopus atlanticus Vervoort, 1964

Nom. nov. (Itô, 1974) for *E. latipes typica* Sewell (1940) and for *E. andrewi atlanticus* Vervoort.

Eudactylopus australis (f) Nicholls, 1941a

Description of the male: Nicholls, 1942a.

According to Noodt (1955d), *E. australis* should be considered as a synonym of *E. robustus* (Claus). This was confirmed by Kunz (1963b) who found a female resembling *E. australis* in many respects. But Lang (1965b) dismissed those opinions and considered *E. australis* as a distinct species.

Eudactylopus lucayosi Geddes, 1969

Species incertae

Eudactylopus fasciatus Sewell, 1940

Noodt (1955d) treated Sewell's species as a subspecies of *E. robustus* (Claus). Lang (1965b) did not comment upon Noodt's opinion. Males described by Sewell were not adult.

Eudactylopus striatus Sewell, 1940

After Noodt (1955d), *E. striatus* should be a synonym of *E. robustus* (Claus). Lang (1965b) just mentioned this opinion without any comment. It has to be noted that the females described by Sewell were not adult.

Eudactylopus opima (Brian) f. *major* Sewell, 1940

Eudactylopus opima (Brian) f. *minor* Sewell, 1940

These two forms were discussed by Noodt (1955d) and Lang (1965b). Lang (1936) considered *E. opima* (Brian) synonymous with *E. robustus* (Claus). However, he believed (Lang, 1965b) that the specimens of Sewell represent a different species than *E. opima*. Moreover he assumed that, the two forms described by Sewell represent only different stages of the same species.

Eudactylopus krusadensis Krishnaswamy, 1952

This species is just mentioned here as a matter of interest, Lang (1965b) supposed that this species belongs to the **Diosaccidae**, but the description is so inaccurate that it has to be 'ignored'.

Eudactylopus sp. Griga, 1961

Eudactylopus? *robustus* (f) (Claus), Geddes, 1969

Genus *Dactylopodopsis* Sars, 1911

Dactylopodopsis dilatata Sars, 1911

Description of the male: Coull, 1973c.

Genus *Dactylopusioides* Brian, 1928

Dactylopusioides macrolabris (Claus, 1866)

Amendments: Green, 1958.

Genus *Neodactylopus* Nicholls, 1945a

Neodactylopus cyclopoides (f) Nicholls, 1945a

This genus and species, defined upon a single female specimen, were assessed by Vervoort (1964) who doubted their value. But Lang (1965b) considered them valid.

Synonym: *Eudactylopus? anomala* Sewell, 1940 (after Por, 1967); after Wells & Rao (1987), but this question remains unresolved.

Amendments: Por, 1967.

Description of the male: Sewell, 1940 (as *Eudactylopus? anomala*) after Por, 1967. Both Nicholls (1945a) and Lang (1965b) agreed to allocate the male described by Sewell to the genus *Neodactylopus*.

Species nova

Neodactylopus trichodes Wells & Rao, 1987

Genus *Paramenophia* Lang, 1954

Paramenophia platysoma (Thompson & A. Scott, 1903)

Comb. nov. (Lang, 1954 and Gamô, 1969b) for *Dactylopusia platysoma* Thompson & A. Scott, 1903.

Amendments: Pallares, 1973b.

Redescription of the female: Gamô, 1969a (as *Dactylopusia? platysoma*).

Description of the male: Pallares, 1975c.

Species novae

Paramenophia chilensis Lang, 1954

Paramenophia chilensis var. *tristanensis* Wiborg, 1964

Genus *Sewellia* Lang, 1965b

Sewellia tropica (f) (Sewell, 1940)

Comb. nov. (Lang, 1965b) for *Dactylopusia tropica* Sewell, 1940.

Description of the male: Krishnaswamy, 1957b (as *Dactylopusia tropica*).

Genus *Dactylophia* Becker, 1974

Dactylophia peruana Becker, 1974

Dactylopusiinae incerta sedis

Rhynchothalestris agigensis (f) Serban, 1959

Nom. nov. (Serban, 1959) for *Rh. rufocincta* (Claus) *sensu* Chappuis & Serban, 1953.

Subfam. **Pseudotachidiinae** Lang, 1936Genus ***Idomene*** Philippi, 1843

The species *I. aberrans* was transferred to the **Paranannopidae**, and assigned to the genus *Peltisenia* by Huys & Gee, 1996.

Idomene pectinata (T. & A. Scott, 1898)

Redescription of the female and description of the male: Kunz, 1963a.

Idomene laticaudata (Thompson & A. Scott, 1903)

Amendments and description of male: Wells, 1967.

Idomene simulans (Brady, 1910)

Amendments: Vilela, 1965.

Redescription of the female and description of the male: Kunz, 1963a.

Idomene scotti Lang, 1948

Amendments: Pallares, 1968a.

*Species novae****Idomene maldiviae*** (f) (Sewell, 1940)

Comb. nov. (Bodin, 1967) for *Xouthous maldiviae* Sewell, 1940.

Amendments: Ummerkutty, 1966.

Redescription of the female: Wells & Rao, 1987.

Idomene parasimulans (f) Médioni & Soyer, 1967b***Idomene cookensi*** Pallares, 1975b

Amendments: Mielke, 1992a.

*Species incerta****Idomene aemula*** (Thompson & A. Scott, 1903)

Species questioned by Wells, 1967.

Genus ***Pseudotachidius*** T. Scott, 1897

Key to the species: Montagna, 1980.

Pseudotachidius coronatus T. Scott, 1897

Amendments: Drzycimski, 1969.

*Species novae****Pseudotachidius vikingus*** Drzycimski, 1968c***Pseudotachidius abyssalis*** (f) Becker, 1974***Pseudotachidius peruanus*** (f) Becker, 1974***Pseudotachidius ibericus*** (f) Becker & Schriever, 1979

Pseudotachidius brevisetosus Montagna, 1980

Species close to *Ps. coronatus* T. Scott, after Montagna, 1980.

Pseudotachidius bipartitus Montagna, 1980

Species close to *Ps. vikingus* Drzycimski, after Montagna, 1980.

Pseudotachidius bipartitus pacificus (f) Itô, 1983*Pseudotachidius horikoshii* (f) Itô, 1983*Pseudotachidius minutus* (f) Itô, 1983Genus *Dactylopodella* Sars, 1905

Key to the species: Hicks, 1989.

Dactylopodella flava (Claus, 1866)

Synonym: *Dactylopodella ornata* (Norman & T. Scott), after Hicks, 1989.

Amendments: Apostolov & Marinov, 1988; Hicks, 1989.

Dactylopodella clypeata Sars, 1911

Redescription of the female: Vervoort, 1962.

Redescription of the male: Moore, 1976a.

*Species novae**Dactylopodella incerta* (f) Vervoort, 1964*Dactylopodella janetae* (f) Hicks, 1989*Species incerta**Dactylopodella clypeata* Sars? *sensu* Guille & Soyer, 1966Subfam. **Donsiellinae** Lang, 1944 *sensu* Hicks, 1988

Initially accommodated within the **Laophontidae**, the subfamily was removed to the **Thalestridae** after a review by Hicks (1988a), who defined several new genera in it.

The species are in general strongly associated with submerged wood or *Laminaria* holdfasts and their associated isopod fauna.

Genus *Donsiella* Stephensen, 1936

Key to the species: Hicks, 1990.

Donsiella limnoriae Stephensen, 1936

Redescription: Hicks, 1988a.

Species novae

Donsiella anglica Hicks, 1988

Nom. nov. (Hicks, 1988a) for *Donsiella limnoriae* Stephensen *sensu* Krishnaswamy & Jones (1962).

Donsiella victoriae Hicks, 1988a

Donsiella bisetosa Hicks, 1988a

Donsiella phycolimnoriae Hicks, 1990

Genus *Pseudonsiella* Hicks, 1988a

Pseudonsiella aotearoa Hicks, 1988a

Genus *Apodonsiella* Hicks, 1988a

Apodonsiella indica (m) Hicks, 1988a

Genus *Xylora* Hicks, 1988a

Xylora bathyalis Hicks, 1988a

Xylora neritica Hicks, 1988a

Genus *Oligoxylora* Hicks, 1988a

Oligoxylora cooksoni (f) Hicks, 1988a

Fam. ***AMBUNGUIPEDIIDAE** Huys, 1990a

Based on a reevaluation of the Rhynchothalestrinae, Huys (1990a) assembled several species previously assigned to the genus *Rhynchothalestris* in the present family.

Genus **Ambunguipes* Huys, 1990a

Synonym: *Rhynchothalestris* (part.).

Ambunguipes rufocincta (Brady, 1880)

Com. nov. (Huys, 1990a) for *Rhynchothalestris rufocincta* (Brady, 1880).

Amendments: Yeatman, 1976; Apostolov & Marinov, 1988 (as *R. rufocincta*).

Redescription: Vervoort, 1962 (to be checked, after Huys, 1990a); Huys, 1990a.

Ambunguipes similis (A. Scott, 1909)

Comb. nov. (Huys, 1990a) for *Rhynchothalestris similis* (A. Scott, 1909) *sensu* Lang (1948); Huys did not agree about the synonymy of this species with *Ambunguipes rufocincta*.

*Species inquerenda**Ambunguipes vanhoeffeni* (Brady, 1910)

Comb. nov. (Huys, 1990a) for *Rhynchothalestris vanhoeffeni* Brady, 1910.

Amendments: Nicholls, 1944; but Huys (1990a) supposed that the females described by Nicholls represent another species.

Genus **Lucayostratiotes* Huys, 1990a

Synonym: *Rhynchothalestris* (part.).

Lucayostratiotes cornuta (Geddes, 1969)

Comb. nov. (Huys, 1990a) for *Rhynchothalestris cornuta* Geddes, 1969.

Fam. ***HAMONDIIDAE** Huys, 1990aGenus **Hamondia* Huys, 1990a*Hamondia superba* Huys, 1990aFam. **BALAENOPHILIDAE** Sars, 1910Genus *Balaenophilus* P.O. Aurivillius, 1879*Balaenophilus unisetus* P.O. Aurivillius, 1879

Redescription: Vervoort & Tranter, 1961.

Fam. PARASTENHELIIDAE Lang, 1944

Genus *Parastenhelia* Thompson & A. Scott, 1903

Key to the species: Wells, Hicks & Coull, 1982.

Parastenhelia spinosa (Fischer, 1860)

Synonym: *P. littoralis* (Sars) f. *scotti* Sewell, 1940 (after Noodt, 1955a). The synonymy between *P. littoralis* and *P. spinosa* was already stated by Lang (1948).

Amendments: Nicholls, 1945a (as *P. forficula* (Claus) and *P. forficula* var. *littoralis* Lang); Bozic, 1955; Pesta, 1959; Chislenko, 1967; Marinov, 1974b; Chislenko, 1977; Apostolov & Marinov, 1988.

Redescription: Mielke, 1974.

Parastenhelia hornelli Thompson & A. Scott, 1903

Amendments: Apostolov, 1973d ; Apostolov & Marinov, 1988.

Redescription: Wells & Rao, 1987. The authors noticed that the 'variety' *krusadensis* described (inaccurately) by Krishnaswamy (1957b) does not belong to this genus and that its identity cannot be established properly.

Parastenhelia anglica Norman & T. Scott, 1905

Redescription of the female: Kunz, 1963a.

Description of the male: Wells, 1961; Kunz, 1963a.

Parastenhelia gracilis Brady, 1910

Amendments: Pallares, 1968a.

Parastenhelia ornatissima (Monard, 1935)

Amendments: Por, 1964a.

*Species novae**Parastenhelia spinosa* (Fischer) f. *bulbosa* Wells, 1963a

Upon the discovery of numerous specimens off the Scilly Islands and in the vicinity of the Exe estuary (Devon, England) by Wells (1961), Wells (1963a) suggested this name for a unnamed form earlier described by Bozic (1955).

Parastenhelia spinosa (Fischer) f. *bulgarica* Apostolov, 1968a

Amendments: Apostolov, 1973d.

Parastenhelia reducta Apostolov, 1975

Amendments: Apostolov & Marinov, 1988.

Parastenhelia megarostrum Wells, Hicks & Coull, 1982

Thalestris forficula Claus, 1863 *sensu* G.M. Thomson, 1946 (now considered as a synonym of *P. spinosa*) could be a synonym of *P. megarostrum*, but Thomson's illustrations do not allow to justify this with certitude.

Amendments: Dahms, 1993 (copepodid development)

Parastenhelia costata Pallares, 1982a

Redescription: Mielke, 1990b (with reserves about the identification).

Parastenhelia minuta Pallares, 1982a*Parastenhelia oligochaeta* Wells & Rao, 1987

Fam. **DIOSACCIDAE** Sars, 1906

Huys (1995b) transferred the genus *Paraschizopera* Wells from this family to the **Tetragonicipitidae**, while Willen (1996b) allocated the genus *Pseudomesochra* to the **Paranannopidae**.

Nicholls (1941b) reviewed the family, but Lang (1948, p. 1616 to 1619) retained from this revision only the genus *Amphiascoides* (which name has priority upon *Amphiascella*).

Key to the genera: Lang, 1965b (p. 227).

Genus *Stenhelia* Boeck, 1865

Key to the species: Lang, 1965b (p. 228).

Subgenus *Stenhelia* s. str. Boeck, 1865

Key to the species: Thistle & Coull, 1979.

Stenhelia (*St.*) *gibba* Boeck, 1865

Amendments: Chislenko, 1967; Moore, 1976b; Chislenko, 1977; Letova, 1982.

Stenhelia (*St.*) *aemula* (T. Scott, 1893)

Synonym: *St.* (*St.*) *aemula* var. *bifida* Lang, 1936 (after Bodin, 1970).

Amendments: Marinov, 1977.

Redescription of the male: Bodin, 1970.

Stenhelia (*St.*) *proxima* Sars, 1906

Amendments: Apostolov & Marinov, 1988.

*Species novae**Stenhelia* (*St.*) *divergens* (f) Nicholls, 1940*Stenhelia* (*St.*) *peniculata* Lang, 1965b*Stenhelia* (*St.*) *pubescens* (f) Chislenko, 1978*Stenhelia* (*St.*) *diegensis* (f) Thistle & Coull, 1979*Stenhelia* (*St.*) *asetosa* Thistle & Coull, 1979*Stenhelia* (*St.*) *xylophila* (f) Hicks, 1988bSubgenus *Delavalia* Brady, 1868

Synonym: *Melima* Por (1964a), according to Wells & Rao (1987) after examination of specimens of the two known species: *M. caulerpae* and *M. bisetosa*.

The absence of sexual dimorphism on pereopods 1 to 4 in the species attributed to *Melima* may be of sufficient importance to reinstate *Melima*. But, stressing the many similarities between *Melima* and *Delavalia*, Coull (1976b) and Wells & Rao (1987) did not consider this as sufficient enough to maintain the genus.

Key to the species: Coull, 1976b.

Chaetotactic table: Coull, 1976b.

Stenhelium (D.) palustris Brady, 1868

Amendments: Veldre & Maesmets, 1956; Por, 1960a; Chislenko, 1967; Letova, 1982; Apostolov & Marinov, 1988.

Stenhelium (D.) longicaudata Boeck, 1872

Amendments: Chislenko, 1967.

Stenhelium (D.) reflexa Brady & Robertson, 1875

Amendments: Apostolov & Marinov, 1988.

Stenhelium (D.) minuta A. Scott, 1902

Description of the male: Marinov & Apostolov, 1981a.

Stenhelium (D.) normani T. Scott, 1905

Amendments: Pesta, 1959; Bodin, 1964; Apostolov, 1973b ; Apostolov & Marinov, 1988.

Stenhelium (D.) polluta Monard, 1928

Originally considered as a 'variety' of *St. (D.) normani*, it was raised to species rank by Wells & Rao, 1987.

Amendments: Por, 1964a; Wells & Rao, 1987.

Stenhelium (D.) tethysensis Monard, 1928

Description of the male: Monchenko, 1967c.

Amendments: Apostolov & Marinov, 1988.

Stenhelium (D.) longifurca Sewell, 1934

Redescription: Ranga Reddy & Radhakrishna, 1980a.

Description of the male: Ranga Reddy & Radhakrishna, 1980a.

Stenhelium (D.) cornuta Lang, 1936

Amendments: Marinov, 1977.

Stenhelium (D.) confluens Lang, 1948

Description of the male: Drzycimski, 1969.

*Species novae****Stenhelium (D.) latisetosa*** (f) Sewell, 1940

There is quite some doubt about the exact the number of seta on the P₅ Exp. (*vide* Lang, 1965b).

Stenhelium (D.) truncatipes (f) Sewell, 1940

P₂-P₄ chaetotaxy was omitted in Sewell, 1940.

Stenhelium (D.) indica (f) Krishnaswamy, 1957b

Species close to *St. (D.) longifurca* Sewell, after Lang, 1965b.

Redescription: Wells & Rao, 1987.

Description of the male: Wells & Rao, 1987.

Stenhelium (D.) elizabethae Por, 1960a

Synonym: *St. (D.) normani* T. Scott *sensu* Monard, 1928 (after Por, 1960a).

Amendments: Por, 1964a; Marinov, 1971; Apostolov & Marinov, 1988.

Stenhelium (D.) incerta Por, 1964a

Species close to *St. (D.) reflexa* Brady & Robertson, after Lang, 1965b.

Stenhelium (D.) caulerpae (Por, 1964a)

Nov. comb. (Wells & Rao, 1987) for *Melima caulerpae* Por

Stenhelium (D.) ornementalia (f) Shen & Tai, 1965

In the English text, the species name is spelt *ornementalis*.

Stenhelium (D.) mastigochaeta Wells, 1965b

Stenhelium (D.) latipes Lang, 1965b

Stenhelium (D.) longipilosa Lang, 1965b

Stenhelium (D.) oblonga Lang, 1965b

Amendments: Wells & Rao, 1987.

Stenhelium (D.) nuwukensis (f) M.S. Wilson, 1965

Stenhelium (D.) unisetosa Wells, 1967

Stenhelium (D.) bermudensis Coull, 1969b

Stenhelium (D.) palustris Brady *bispinosa* Bodin, 1970

Stenhelium (D.) madrasensis (f) Wells, 1971

Synonym: *Stenhelium (D.) krishnensis* Radhakrishna & Ranga (1978), after Wells & Rao, 1987.

Amendments: Wells & Rao, 1987.

Stenhelium (D.) bisetosa (f) (Coull, 1971)

Comb. nov. (Wells & Rao, 1987) for *Melima bisetosa* Coull, 1971b.

Stenhelium (D.) coineauae Soyer, 1972b

Stenhelium (D.) bocqueti Soyer, 1972b

Stenhelium (D.) bifidia Coull, 1976b

Stenhelium (D.) golikovi (f) Chislenko, 1978

Stenhelium (D.) lima (f) Becker & Schriever, 1979

Stenhelium (D.) latioperculata Itô, 1981

Species particularly close to *St. (D.)* sp. aff. *minuta* A. Scott *sensu* Por (1964a), after its author.

Stenhelium (D.) intermedia Marinov & Apostolov, 1981a

Stenhelium (D.) adriatica Marinov & Apostolov, 1981a

Stenhelium (D.) noodti Schriever, 1982b

Stenhelium (D.) islandica (f) Schriever, 1982b

Stenhelium (D.) stephensoni Greenwood & Tucker, 1984

Stenhelia (D.) saharae (m) Marinov & Apostolov, 1985

Stenhelia (D.) breviseta Wells & Rao, 1987

Stenhelia (D.) mixta Wells & Rao, 1987

Stenhelia (D.) hirtipes Wells & Rao, 1987

Stenhelia (D.) clavus Wells & Rao, 1987

Stenhelia (D.) paraclavus (m) Wells & Rao, 1987

Stenhelia (D.) valens (f) Wells & Rao, 1987

Stenhelia (D.) fustiger Wells & Rao, 1987

Stenhelia (D.) ovalis (f) Wells & Rao, 1987

Species displaying many characteristics in common with the genus *Melima*, which Wells & Rao (1987) considered as a synonym of *Stenhelia (Delavalia)*.

Stenhelia (D.) andamanica (f) Rao, 1993

Species incertae

Stenhelia (D.) (reflexa?) (f) Brady & Robertson *sensu* Bodin, 1964

Stenhelia (D.) aff. *minuta* (f) A. Scott *sensu* Por, 1964a

Stenhelia (D.) sp. (m) Bodin, 1979a

Genus *Diosaccus* Boeck, 1872

The genus *Paradiosaccus* Lang (1944) was 'provisionally' abandoned by its author (Lang, 1965b) and considered as a synonym of *Diosaccus* Boeck.

Key to the species: Lang, 1965b (p. 249).

Diosaccus tenuicornis (Claus, 1863)

Amendments: Vos, 1945; Petkovski, 1964b; Vilela, 1965; Apostolov, 1973d; Apostolov & Marinov, 1988.

Diosaccus hamiltoni (Thompson & A. Scott, 1903)

Amendments: Wells & Rao, 1987.

Description of the male: Sewell, 1940.

Diosaccus varicolor (Farran, 1913)

Amendments: Klie, 1942 (as *Amphiascus varicolor*); Roe, 1959 (as *Paradiosaccus varicolor*).

Diosaccus varicolor biarticulatus (Monard, 1924)

Amendments: Apostolov, 1977 (as *Paradiosaccus varicolor biarticulatus*); Apostolov & Marinov, 1988.

Diosaccus truncatus Gurney, 1927

Description of the male: Krishnaswamy, 1951a.

Diosaccus spinatus Campbell, 1929

Amendments: Monk, 1941.

*Species novae****Diosaccus monardi*** (f) Sewell, 1940

Noodt (1955d) allocated this species to the genus *Paradiosaccus* which was considered as synonymous with *Diosaccus* (Lang, 1965b).

Synonym: *Diosaccus monardi* f. *major* Krishnaswamy (1957b), after Wells & Rao (1987).

Description of the male: Krishnaswamy (1957b); Wells & Rao, 1987.

Amendments: Wells & Rao, 1987.

Diosaccus rebus (f) (Sewell, 1940)

Comb. nov. (Lang, 1965b) for *Amphiascus rebus* Sewell, 1940.

Diosaccus borborocoetus (f) Jakobi, 1954b***Diosaccus varicolor*** (Farran) f. *pentasetosus* (f) (Noodt, 1955)

Comb. nov. (Lang, 1965b) for *Paradiosaccus varicolor* f. *pentasetosus* Noodt, 1955d.

Diosaccus ezoensis Itô, 1974*Species incertae*

Diosaccus aff. *valens* (Gurney) *sensu* Por, 1964a

Diosaccus sp. aff. *dentatus* (Thompson & A. Scott) *sensu* Itô, 1982b

Genus ***Antiboreodiosaccus*** Lang, 1944***Antiboreodiosaccus crassus*** (Giesbrecht, 1902)

Redescription: Pallares, 1970.

Genus ***Pseudodiosaccopsis*** Lang, 1944*Species nova****Pseudodiosaccopsis mesogae*** (m) Por, 1964aGenus ***Robertsonia*** Brady, 1880

Key to the species: Hamond, 1973b; Fiers, 1996a.

Chaetotactic table: Fiers, 1996a.

Robertsonia tenuis (Brady & Robertson, 1880)

Synonym: *R. tenuis kieliensis* Becker, 1970 (after Hamond, 1973b).

Amendments: Chislenko, 1977; Arlt, 1983.

Robertsonia propinqua (T. Scott, 1893)

Synonyms: *Robertsonia* cf. *knoxii* (Thompson & A. Scott) *sensu* Bayly & Williams, 1966

Robertsonia sp. nov. *sensu* Bayly, 1970.

Amendments: Candeias, 1959; Rosenfield, 1967; Wells & Rao, 1987.

Redescription: Pallares, 1970; Hamond, 1973b.

Robertsonia knoxi (Thompson & A. Scott, 1903)

Synonym: *R. knoxi brasiliensis* (m) Jakobi, 1954b (after Hamond, 1973b). Wells & Rao (1987) considered this subspecies as 'problematical'.

Amendments: Marinov, 1971; Yeatman, 1976; Apostolov & Marinov, 1988.

Robertsonia salsa (Gurney, 1927)

Redescription: Por, 1973 (who, contrary to Lang (1948), considered it as distinct from *R. knoxi*).

Robertsonia angolensis (Monard, 1934)

Amendments: Marques, 1961.

Robertsonia celtica (Monard, 1935)

Redescription: Roe, 1958 (species '*incerta sedis*' in Lang, 1948).

Robertsonia monardi (Klie, 1937)

Synonym: *R. paramonardi* Nicholls, 1945a (after Noodt, 1955d).

Amendments: Monchenko, 1966; Apostolov & Marinov, 1988.

*Species novae****Robertsonia adduensis*** (f) (Sewell, 1940)

Synonym: *Teissierella adduensis* (f) Sewell (after Krishnaswamy, 1957b and Wells & Rao, 1987).

Amendments: Wells & Rao, 1987.

Description of the male: Wells & Rao, 1987.

Robertsonia mourei Nogueira, 1961***Robertsonia barnesi*** (f) Hamond, 1973b***Robertsonia curtisii*** Greenwood & Tucker, 1982***Robertsonia robusta*** Wells & Rao, 1987

Species very close to (synonym of?) *R. curtisii* Greenwood & Tucker, 1982.

Robertsonia glomerata Fiers, 1996a**Genus *Amphiascus*** Sars, 1905 (part.)

Key to the species of the *minutus* group: Marcus, 1974b.

Table of the main morphological characters of the genus *Amphiascus* and related genera in Wells, Hicks & Coull, 1982.

Review of the *varians*-group: Hicks, 1989.

Amphiascus minutus (Claus, 1863)

Amendments: Klie, 1950; Pesta, 1959; Chislenko, 1967; Rosenfield, 1967; Boer, 1971; Apostolov, 1972; Mielke, 1974; Letova, 1982; Apostolov & Marinov, 1988.

Amphiascus tenuiremis (Brady & Robertson, 1880)

Synonym: *A. minutus* sp. 1 *sensu* Lang, 1965b (after Mielke, 1974).

Amendments: Klie, 1950.

Amphiascus congener Sars, 1909

Amendments: Chislenko, 1977.

Amphiascus gracilis Lang, 1936

Synonym (?): *Rhyncholagena* aff. *pestai* (Monard) *sensu* Por, 1964a.

Amendments: Pallares, 1968a; Apostolov & Marinov, 1988.

Amphiascus varians (Norman & T. Scott, 1905)

Amendments: Klie, 1950.

Amphiascus propinquus Sars, 1906

Synonyms: *A. angustipes* Gurney *sensu* Noodt (1955d), Petkovski (1955c) and Marinov (1974c);

A. polapinquus (not *polarpinquus* as written by Hicks, 1989) *sensu* Marcus (1966, 1974b),
after Hicks (1989).

Amendments: Marcus, 1974b (as *A. polapinquus*); Apostolov & Marinov, 1988; Hicks, 1989.

Amphiascus tenellus Sars, 1906

Synonym: *A. angustipes* Gurney *sensu* Bodin, 1964 (after Hicks, 1989).

Amendments: Vos, 1945; Bodin, 1964 (as *A. angustipes*); Hicks, 1989.

Amphiascus sinuatus Sars, 1906

Amendments: Apostolov & Marinov, 1988.

Amphiascus polaris Sars, 1909

Amendments: Hicks, 1989.

Amphiascus angustipes Gurney, 1927

Considered synonymous with *A. propinquus* by Wells (1968), which was doubted by Wells & Rao (1987); the species was reinstated by Hicks (1989).

Amendments: Hicks, 1989.

Redescription: Vervoort (1962), although there are inconsistencies between description and illustrations (Hicks, 1989).

Amphiascus caudaespinosus Brian, 1927

Amendments: Apostolov & Marinov, 1988.

Amphiascus gauthieri Monard, 1936

Amendments: Pallares, 1968a.

Amphiascus parvus Sars, 1906

Amendments: Klie, 1942, 1950; Noodt, 1955d; Pesta, 1959.

Redescription: Yeatman, 1970.

Species novae

- ◆ Species of the *minutus* group (*sensu* Lang, 1948):

Amphiascus demersus Nicholls, 1940*Amphiascus graciloides* Klie, 1950

Amphiascus paracaudaespinosus Roe, 1958

This species, considered questionable by Lang (1965b), was treated as valid by A. Marcus (1974b).

Amphiascus longarticulatus Marcus, 1974b

Synonym: *Amphiascus* sp. Wells, 1968 (after Bodin, 1977).

Redescription: Bodin, 1977.

Amphiascus discrepans Mielke, 1989a

- ◆ Species of the *varians* group (*sensu* Lang, 1948):

Amphiascus ampullifer (Humes, 1953)

Described as *Mesamphiascus ampullifer*, this species was allocated with strong reserves to the genus *Amphiascus* by Lang (1965b). Earlier, Vervoort (1964) suggested that 'the best solution undoubtedly would be to erect a new genus' for it.

Amphiascus dentiformis Coull, 1971a*Amphiascus lobatus* Hicks, 1971*Amphiascus elongatus* Itô, 1972a

Species found on the gills of the decapod crustacean *Telmessus cheiragonus* (Tilesius).

Amphiascus profundus (f) Becker & Schriever, 1979*Amphiascus tainui* Hicks, 1989

- ◆ Species of the *pacificus* group (*sensu* Lang, 1948):

Amphiascus undosus Lang, 1965b*Species incertae**Amphiascus monodi* Monard, 1952

According to Lang (1965b) this name covers a mixture of two different species: the male belong either to the genus *Amphiascoides* Nicholls or to the genus *Paramphiascella* Lang, but, he was unable to assign the female to a certain genus, and advised to disregard this 'species'.

Amphiascus sp.? (m) Pesta, 1959*Amphiascus humphriesi* Roe, 1959

Lang (1965b) considered this species as doubtful and assumed that it is an aberrant specimen of *A. parvus*.

Amphiascus sp. 1 and sp. 2 Griga, 1961*Amphiascus parvus* Sars? (f) Rouch, 1962*Amphiascus parvus* Sars? (f) Noodt, 1964*Amphiascus tenellus* Sars? Noodt, 1964*Amphiascus minutus* (Claus) sp. 1 Lang, 1965b

This species was considered as a synonym of *A. tenuiremis* (Brady & Robertson) by Mielke (1974), while Scheibel (1973) stated that the subspecies *A. graciloides trisetatus* Klie (not accepted by Lang, 1965b) was a synonym of *A. minutus* sp. 1 (and thus consequently of *A. tenuiremis*).

The taxonomy of the '*minutus* complex' is, in the opinion of Lang (1965b, p. 255), a tricky problem, which was the reason why Lang asked to describe entirely every species related to this group.

Genus *Amphiascopsis* Gurney, 1927 (part.)

A detailed study of *A. cinctus* (Claus) and *A. obscurus* (Sars), as well as a comparison with Californian specimens, led Lang (1965b) to the conclusion that *A. obscurus* is a synonym of *A. cinctus*. In order to avoid mistakes, Lang recommended to describe as completely as possible specimens related to the genus *Amphiascopsis* and, as an example, he redescribed Sars' specimens entirely, considering them as identical with the specimens from California.

Amphiascopsis cinctus (Claus, 1866)

Synonyms: *A. longipes* Nicholls, 1941a (after Noodt, 1964 and Lang, 1965b).

A. australis Nicholls, 1941a (after Lang, 1965b). This synonymy was discussed in Wells & Rao, 1987.

Amendments: Marques, 1957, 1961; Pesta, 1959; Noodt, 1964; Wells & Rao, 1987; Apostolov & Marinov, 1988.

Redescription: Lang, 1965b (as *Amphiascopsis cinctus* sp.1); Yeatman, 1970; Pallares, 1970; Hicks, 1971.

Amphiascopsis thalestroides (Sars, 1911)

Amendments: Petkovski, 1964b; Moore, 1976b; Apostolov & Marinov, 1988.

Amphiascopsis angrapequensis (Pesta, 1916)

Amendments: Kunz, 1963a.

Amphiascopsis southgeorgiensis (Lang, 1936)

Redescription: Hicks, 1971.

Species nova

Amphiascopsis coralicola (Sewell, 1940)

Comb. nov. (Noodt, 1964 and Lang, 1965b) for *Amphiascus coralicola* Sewell, 1940.

Species incertae

Amphiascopsis angrapequensis (Pesta)? Noodt, 1964

Amphiascopsis aff. *cinctus* (Claus) (f) Noodt, 1964

Genus *Dactylopodamphiascopsis* Lang, 1944

Dactylopodamphiascopsis latifolius (Sars, 1909)

Amendments: Chislenko, 1977.

Genus *Amonardia* Lang, 1944

Key to the males: Lang, 1965b (p. 279).

Amonardia similis (Claus, 1866)

Amendments: Vos, 1945 (as *Amphiascus similis*); Por, 1964a; Apostolov & Marinov, 1988.

Redescription of the male: Noodt, 1955a. In accordance with Lang (1948), Noodt rightly considered Monard's identification (Monard, 1928) as not very sure.

Amonardia normani (Brady, 1872)

Amendments: Griga, 1963; Pallares, 1968a; Dinet, 1971; Apostolov, 1972; Apostolov & Marinov, 1988; Song & Chang, 1995.

Redescription: Pinkster, 1968.

Amonardia arctica (T. Scott, 1898)

Redescription of the male: Mielke, 1974.

Amonardia phyllopus (Sars, 1906)

Amendments: Yeatman, 1962; Ceccherelli & Rossin, 1979.

Amonardia subnasuta (Willey, 1935)

Nom. nov. (Lang, 1965b) for the subspecies *A. arctica subnasuta* (Willey, 1935).

*Species novae**Amonardia pentasetosa* Noodt, 1954b

Redescription: Becker, 1972.

Amonardia pelophila Por, 1964a

The male described by Por was perhaps abnormal (Lang, 1965b).

Amonardia tristanensis Wiborg, 1964*Amonardia perturbata* Lang, 1965b*Amonardia magna* (f) Chislenko, 1978Genus *Pseudamphiascopsis* Lang, 1944*Pseudamphiascopsis attenuatus* (Sars, 1906)

Synonyms: *Ps. ismaelensis* (Monard, 1936) and *Ps. attenuatus orientalis* Noodt, 1955d (after Wells, 1968).

Amendments: Apostolov, 1977 (as *Ps. attenuatus orientalis*); Apostolov & Marinov, 1988.

Genus *Metamphiascopsis* Lang, 1944*Metamphiascopsis hirsutus* (Thompson & A. Scott, 1903)

Amendments: Klie, 1942 (as *Amphiascus hirsutus*); Pesta, 1959; Wells & Rao, 1987.

Redescription: Tanaka & Hue, 1968.

Metamphiascopsis hirsutus bermudae (Willey, 1930)

Redescription: Yeatman, 1976.

*Species nova**Metamphiascopsis nicobaricus* (Sewell, 1940)

Comb. nov. (Lang, 1965b) for *Amphiascus nicobaricus* Sewell, 1940.

Amendments: Wells & Rao, 1987.

Genus *Paramphiascopsis* Lang, 1944

Key to the species: Lang, 1965b (p. 272); Hicks, 1986b.

Paramphiascopsis longirostris (Claus, 1963)

Amendments: Marcus, 1960; Griga, 1963; Petkovski, 1964b; Marinov, 1971; Hamond, 1972; Apostolov & Marinov, 1988.

Paramphiascopsis giesbrechti (Sars, 1906)

Amendments: Hamond, 1972.

*Species novae**Paramphiascopsis soyeri* Lang, 1965

Nom. nov. (Lang, 1965b) for *Paramphiascopsis pallidus* (Sars) *sensu* Soyer, 1963b.

Synonym: *P. pallidus* (Sars) *sensu* Grandori, 1912 (after Lang, 1965b).

Paramphiascopsis ekmani Lang, 1965b*Paramphiascopsis paromolae* Soyer, 1973c*Paramphiascopsis triarticulatus* Moore, 1976b*Paramphiascopsis waihonu* Hicks, 1986bGenus *Bulbamphiascus* Lang, 1944

Key to the species: Dinet, 1971.

Bulbamphiascus imus (Brady, 1872)

Synonyms: *Amphiascus inermis* (m) Sewell (1940), after Wells & Rao, 1987. This species was allocated to the genus *Bulbamphiascus* by Lang (1965b).

Bulbamphiascus angustifolius (f) Klie, 1950, after Wells & Rao, 1987.

Amendments: Bodin, 1964; Dinet, 1971; Wells & Rao, 1987; Apostolov & Marinov, 1988.

Description of the male: Wells, 1961 (P₅); Bodin, 1964.

*Species novae**Bulbamphiascus chappuisi* Rouch, 1962*Bulbamphiascus minutus* (f) Dinet, 1971*Bulbamphiascus cibimae* Pallares, 1982a*Species incerta*

Bulbamphiascus sp. (female copepodid) Becker & Schriever, 1979.

Genus *Robertgurneya* Lang, 1944

Key to the species: Lang, 1965b (p. 295); Hamond, 1973d.

Robertgurneya similis (A. Scott, 1896)

Synonym: *Amphiascus scotti* Williamson, 1958.

Robertgurneya erythraeus (A. Scott), after Lang (1948). But, in his thesis, Rosenfield (1967) considered *R. erythraeus* as a valid species.

Amendments: Rosenfield, 1967; Marinov, 1971; Apostolov, 1972; Apostolov & Marinov, 1988.

Robertgurneya simulans Norman & T. Scott, 1905)

This species was reinstated by Lang (1965b) who previously considered it as a synonym of *R. similis* in his monograph (1948).

Robertgurneya spinulosa (Sars, 1911)

Amendments: Apostolov & Marinov, 1988.

Robertgurneya rostrata (Gurney, 1927)

Amendments: Klie, 1942 (as *Amphiascus rostratus*).

Robertgurneya ilievecensis (Monard, 1935)

Description of the male: Wells, 1963b (as *R. iliviciensis*) and Por, 1964a.

Redescription of the female: Hamond, 1973d.

Robertgurneya falklandiensis (Lang, 1936)

Amendments: Pallares, 1968a.

Robertgurneya ecaudata (Monard, 1936)

Amendments: Klie, 1942 (as *Amphiascus ecaudatus*).

*Species novae**Robertgurneya remanei* Klie, 1950*Robertgurneya similis bulbamphiascoides* (f) Noodt, 1955d*Robertgurneya oligochaeta* (f) Noodt, 1955d

Description of the male: Apostolov, 1978.

Amendments: Rouch, 1962; Marinov, 1971; Apostolov, 1972; Apostolov & Marinov, 1988.

Robertgurneya arabica (Noodt, 1964)

Comb. nov. (Lang, 1965b and Hamond, 1973d) for *Amphiascoides? arabicus* Noodt, 1964.

Robertgurneya hopkinsi Lang, 1965b*Robertgurneya diversa* Lang, 1965b*Robertgurneya smithi* Hamond, 1973d*Robertgurneya soyeri* Apostolov, 1974

Amendments: Apostolov & Marinov, 1988.

Robertgurneya brevipes (f) Wells & Rao, 1987

Species incertae

Robertgurneya intermedia Bozic, 1955

Here it would appear to be only an aberrant *Amphiascus* specimen, after Lang, 1965b.

Robertgurneya sp. Marinov & Apostolov, 1985

Genus *Typhlamphiascus* Lang, 1944

A print mistake changed this name in *Typhlamphiacus* in Bodin, 1964.

Typhlamphiascus confusus (T. Scott, 1902)

Synonym: *Typhlamphiascus* sp. 1 Bodin, 1964.

The analysis of the different 'types' within *T. confusus* made by Por (1963) was criticized by Lang (1965b).

Amendments: Klie, 1942 (as *Amphiascus confusus*), 1950; Por, 1964a, 1967; Marinov & Apostolov, 1985; Apostolov & Marinov, 1988.

Typhlamphiascus gracilicaudatus (Thompson & A. Scott, 1903)

Description of the male: Por, 1963.

Amendments: Por, 1967.

Typhlamphiascus typhlops (Sars, 1906)

Amendments: Chislenko, 1967; Becker, 1970; Apostolov & Marinov, 1988.

Typhlamphiascus lamellifer (Sars, 1911)

Description of the male: Klie, 1941a.

Amendments: Becker, 1970.

Species novae

Typhlamphiascus lutincola Soyer, 1963a

Amendments: Soyer, 1964b.

Typhlamphiascus gracilis Por, 1963

Amendments: Bodin, 1968b.

Typhlamphiascus drachi Soyer, 1964b

Typhlamphiascus unisetosus (f) Lang, 1965b

Typhlamphiascus pectinifer Lang, 1965b

Amendments: Pallares, 1975b.

Typhlamphiascus latifurca Por, 1968a

Typhlamphiascus bouligandi Soyer, 1972b

Typhlamphiascus lamellifer (Sars) *capensis* (f) Kunz, 1975b

Typhlamphiascus ovale Wells & Rao, 1987

Species incertae

Typhlamphiascus longifurcatus Rouch, 1962

Lang (1965b) presumed that this species is a representative of a new genus, close to *Robertgurneya*.

Typhlamphiascus typhlops (Sars)? Por, 1963

Por (1963) thought to have found the male of this species, but was not certain of this.

Typhlamphiascus sp. 2 (f) Bodin, 1964

Typhlamphiascus sp. (m) Vilela, 1965

Typhlamphiascus aff. *confusus* (T. Scott), Moore, 1976b

Moore compared his specimens with other species of the *confusus* group.

Typhlamphiascus sp. I (? *confusus* Sars), Marinov, 1977

Typhlamphiascus sp. II Marinov, 1977

Genus *Rhyncholagena* Lang, 1944

Species novae

Rhyncholagena pestai (Monard) *americana* (f) Rouch, 1962

Rhyncholagena levantina Por, 1964a

Rhyncholagena josaphatis Por, 1967

Rhyncholagena littoralis (f) Por, 1967

Rhyncholagena profundorum (f) Por, 1967

Rhyncholagena bermudensis (f) Malt, 1990

Species incertae

Rhyncholagena sp. (f) Bodin, 1964

Rhyncholagena aff. *pestai* (Monard) (f) *sensu* Por, 1964a (perhaps synonym of *Amphiascus gracilis* Lang?)

Genus *Amphiascoides* Nicholls, 1941a, 1941b

Synonym: *Amphiascella* Lang, 1944.

Key to the species: Lang, 1965b (p. 305).

Amphiascoides brevifurca (Czerniavski, 1868)

Amendments: Noodt, 1955d; Apostolov & Marinov, 1988.

Amphiascoides subdebilis (Willey, 1935)

This species need a redescription, after Wells & Rao, 1987.

Amendments: Bodin, 1964 (as *Amphiascella subdebilis*); Noodt, 1955d; Chislenko, 1967; Drzycimski, 1969; Pallares, 1975e; Apostolov & Marinov, 1988.

Amphiascoides debilis (Giesbrecht, 1881)

Synonym: *A. limicolus* (Brady), after Lorenzen, 1969 and Moore, 1976b. Personally, and after close examination of many specimens, I am convinced that there are at least two different subspecies involved.

Amendments: Klie, 1944 and Vos, 1945 (as *Amphiascus debilis*); Wells, 1963a (as *Amphiascoides limicola*); Chislenko, 1967; Rosenfield, 1967; Lorenzen, 1969; Becker, 1970; Bodin, 1972a (as *Amphiascoides limicolus*); Mielke, 1975; Letova, 1982; Arlt, 1983; Apostolov & Marinov, 1988.

Amphiascoides dispar (T. & A. Scott, 1894)

Amendments: Becker, 1970.

Amphiascoides nanus (Sars, 1906)

Description of the male: Mielke, 1974.

Amphiascoides nanoides (Sars, 1911)

Description of the male: Bodin, 1964 (as *Amphiascella nanoides*).

*Species novae**Amphiascoides nicholli* (f) Lang, 1965

Nom. nov. (Lang, 1965b) for *A. intermixtus* (Willey, 1935) *sensu* Nicholls, 1941a.

Amphiascoides lancisetiger Lang, 1965b*Amphiascoides petkovskii* Lang, 1965b*Amphiascoides dimorphus* Lang, 1965b*Amphiascoides bulbiseta* Pallares, 1975e*Amphiascoides golikovi* (f) Chislenko, 1977*Amphiascoides koltuni* Chislenko, 1977*Amphiascoides paradebilis* Chislenko, 1978*Amphiascoides breviarticulatus* Kunz, 1983*Amphiascoides atopus* Lotufo & Fleeger, 1995*Species incerta**Amphiascoides* sp. (m) Becker & Schrieffer, 1979Genus *Paramphiascella* Lang, 1944

Key to the species: Marcotte, 1974.

Paramphiascella hispida (Brady, 1880)

Amendments: Chislenko, 1967.

Paramphiascella robinsoni (A. Scott, 1902)

Amendments: Pallares, 1968a.

Paramphiascella hyperborea (T. Scott, 1903)

Amendments: Chislenko, 1977.

Paramphiascella vararensis (T. Scott, 1903)

Synonym: *P. mediterranea* Lang *sensu* Vilela, 1965.

Amendments: Klie, 1942 (as *Amphiascus vararensis*); Klie, 1950; Pesta, 1959; Vilela, 1965 (as *Paramphiascella mediterranea*); Chislenko, 1967; Drzycimski, 1969; Ceccherelli & Rossin, 1979 (under the erroneous name *P. varasensis*).

Description of the male: Klie, 1950 and Noodt, 1958b.

*Species novae****Paramphiascella calcarifer*** (Sewell, 1940)

Comb. nov. (Noodt, 1955d and Lang, 1965b) for *Amphiascus calcarifer* Sewell, 1940 (f. *major* and f. *minor*).

Paramphiascella pacifica Vervoort, 1962***Paramphiascella xiphophora*** (m) Lang, 1965b***Paramphiascella bulbifer*** (f) Guille & Soyer, 1966

P. bulbifer was described by myself under the same name and at about the same time from specimens collected off Marseille (Bodin, 1968a). However Guille & Soyer's 1966 paper has priority.

Paramphiascella delamarei (f) Guille & Soyer, 1966***Paramphiascella fulvofasciata*** Rosenfield & Coull, 1974

Species initially described, including the copepodid stages, by Rosenfield (1967; thesis).

Amendments: Dahms, 1987 (without illustration).

Paramphiascella curtiseta (f) Chislenko, 1971***Paramphiascella sirbonica*** Por, 1973***Paramphiascella coulli*** Marcotte, 1974***Paramphiascella bodini*** (m) Marcotte, 1974

Nom. nov. (Marcotte, 1974) for *P. (mediterranea?)* Lang *sensu* Bodin, 1964.

Synonym (?):? *Paramphiascella mediterranea* Lang *sensu* Wiborg, 1964 (after Marcotte, 1974).

Paramphiascella austroatlantica Pallares, 1982a*Species incertae****Paramphiascella robinsoni*** (A. Scott, 1902)?

According to Noodt (1955d) and Lang (1965b), *Amphiascus* sp. Sewell (1940) possibly represents the male of this species. Marcotte (1974), however, considered Sewell's specimen as the male of *P. mediterranea* Lang, 1948.

Paramphiascella vararensis (T. Scott)? Pesta, 1959

The affinity of Pesta's specimens with *P. vararensis* was refuted by Lang (1965b), who was unable to clarify its systematic status.

? ***Paramphiascella mediterranea*** Lang, Wiborg, 1964***Paramphiascella? faurei*** (f) Bodin, 1968b

Genus *Haloschizopera* Lang, 1944

Key to the species: Noodt, 1964.

Haloschizopera pygmaea (Norman & T. Scott, 1905)Synonyms: *H. junodi* Lang, 1948 and *Haloschizopera* aff. *bulbifer sensu* Moore, 1979 (after Moore & O'Reilly, 1989).Por (1964b) discussed the possible synonymy of *H. marmarae* Noodt (1955d) with *H. junodi*; but Moore & O'Reilly considered this synonymy unlikely and, thus, *H. marmarae* as a valid species.Apostolov (1972) seemed to consider (without argumentation) *H. pauciseta* Por (1959) as a synonym of *H. junodi*; however these two species possess a different chaetotaxy, particularly on the distal segment of P₃ and P₄ Exp. This was confirmed by Moore & O'Reilly (1989). Thus *H. pauciseta* cannot be considered as a synonym of *H. pygmaea*.Amendments: Por, 1964b (as *H. junodi*), but Moore & O'Reilly (1989) considered specimens examined by Por as 'incerta sedis'; Moore, 1976b and Apostolov & Marinov, 1988 (as *H. junodi*).Description of the male: Klie, 1950 (as *H. junodi*) and Por, 1964a (as *H. marmarae*).*Haloschizopera exigua* (Sars, 1906)

Redescription: Por, 1964b (after neotypes).

Haloschizopera bulbifera (Sars, 1911)

Amendments: Por, 1964b.

Redescription: Moore & O'Reilly, 1993.

Haloschizopera mathoi (Monard, 1935)Synonym: *H. pontarchis* Por (1959, 1964a), after Moore & O'Reilly (1989).Amendments: Klie, 1942 (as *Amphiascus mathoi*); Apostolov & Marinov, 1988 (as *H. pontarchis*).Description of the male: Klie, 1942 (as *Amphiascus mathoi*).

Redescription: Griga, 1963.

*Species novae**Haloschizopera marmarae* (f) Noodt, 1955d*Haloschizopera pauciseta* (f) Por, 1959 and 1964a*Haloschizopera conspicua* (f) Por, 1964b*Haloschizopera minima* (f) Por, 1964b*Haloschizopera tenuipes* Noodt, 1964*Haloschizopera phyllura* Noodt, 1964*Haloschizopera aegyptica* Noodt, 1964Noodt (1964) hesitated to allocate this species to the genus *Haloschizopera*, but Marinov (1973a) supported the designation to this genus.*Haloschizopera ruthorum* Por 1967*Haloschizopera noodti* (f) Bodin, 1968b*Haloschizopera latisetifera* (f) Marinov, 1973a

Haloschizopera abyss Becker, 1974

Haloschizopera lima (f) Becker, 1974

Haloschizopera bathyalis Schriever, 1984a

Haloschizopera apprisea Gee & Fleeger, 1990

Haloschizopera clotensis Moore & O'Reilly, 1993

Haloschizopera nuditerga Moore & O'Reilly, 1993

Haloschizopera lionensis Moore & O'Reilly, 1993

Species incerta

Haloschizopera cf. *junodi* (Monard), Arlt, 1983

Moore & O'Reilly (1989) assumed that the male found by Arlt could be an aberrant specimen.

Genus *Schizopera* Sars, 1905

Key to the species: Lang, 1965b (p. 324); Apostolov, 1973a.

Based on a detailed study of the genus, Wells & Rao (1976), and later on Apostolov (1982), distributed the species over three genera: *Eoschizopera* n. gen. (with subgenera *Eoschizopera* s. str. and *Praeoschizopera*), *Schizopera* (with subgenera *Schizopera* s. str. and *Neoschizopera*), and *Schizoperopsis* n. gen. (with subgenera *Schizoperopsis* s. str. and *Psammoschizoperopsis*). Mielke (1992a) discussed at length these groupings and rejected them from a phylogenetical point of view, but favoured the groupings as a tool to facilitate identification of the species. Within this context, I maintain the classification in the following presentation.

Subgenus *Schizopera* s. str. Apostolov, 1982

Schizopera (*Sch.*) *jugurtha* (Blanchard & Richard, 1891)

Amendments: Monchenko, 1967b; Borutzky, 1971; Apostolov, 1973a; Apostolov & Marinov, 1988.

Schizopera (*Sch.*) *jugurtha stephanidesi* Pesta, 1938

Amendments: Kunz, 1963b (who lowered the species *Sch. stephanidesi* Pesta to subspecific rank).

Schizopera (*Sch.*) *compacta* Lint, 1922

Amendments: Por, 1960a; Apostolov, 1973a; Apostolov & Marinov, 1988.

Schizopera (*Sch.*) *clandestina* (Klie, 1924)

Synonym: *Sch. subterranea* Lang, 1948 (after Chappuis, 1954d).

Amendments: Noodt, 1953; Apostolov, 1973a and 1973b; Arlt, 1983; Apostolov & Marinov, 1988.

Schizopera (*Sch.*) *neglecta* Akatova, 1935

Synonym: *Sch. grimalschii* Jakubisiak (after Monchenko, 1967b).

Amendments: Hensen, 1952; Por, 1964a; Apostolov, 1973a and 1973b (illustrations depicting the male P₅ and Enp. P₂ are quite different in the several descriptions); Apostolov & Marinov, 1988.

Redescription: Monchenko, 1967b.

Apostolov (1982) assembled in the subgenus *Schizopera* s. str. the following species (cf. Lang, 1948): *Schizopera longirostris* (Daday), *Sch. paradoxa* (Daday), *Sch. longicauda* Sars, *Sch. inopinata* Sars, *Sch. validor* Sars, *Sch. consimilis* Sars, *Sch. scalaris* Sars, *Sch. tobae* Chappuis, *Sch. tobae wolterecki* Brehm & Chappuis, *Sch. haitiana* Kiefer, *Sch. triacantha* Kiefer.

Species novae

Schizopera (Sch.) *akatovae* Borutzky, 1953

Schizopera (Sch.) *pontica* Chappuis & Serban, 1953

Amendments: Marinov, 1974b; Apostolov & Marinov, 1988.

Schizopera (Sch.) *brusinae* Petkovski, 1954

Amendments: Apostolov, 1973a; Marinov, 1974c; Kunz, 1975a; Apostolov & Marinov, 1988 (as *Sch.* (*Sch.*) *brucinae*).

Schizopera (Sch.) *langi* (f) Petkovski, 1954

Amendments: Apostolov, 1973a; Apostolov & Marinov, 1988.

Description of the male: Apostolov, 1973a.

Schizopera (Sch.) *parvula* (m) Noodt, 1955c

Schizopera (Sch.) *minuta* Noodt, 1955c

Schizopera (Sch.) *nana* Noodt, 1955c

Schizopera (Sch.) *vicina* (f) Herbst, 1960

Schizopera (Sch.) *noodti* Rouch, 1962

Schizopera (Sch.) *variseta* (f) Bozic, 1964a

Schizopera (Sch.) *baltica* Lang, 1965a

Synonyms: *Sch. clandestina* (Klie) *sensu* Noodt, 1955e (after Lang, 1965b).

Sch. clandestina (Klie) *brevicauda* Kiefer, 1965.

Schizopera (Sch.) *bozici* (f) Lang, 1965

Nom. nov. (Lang, 1965b) for *Sch. parvula* Bozic (1964a), this name being preoccupied by *Sch. parvula* Noodt (1955c).

Redescription: Bozic, 1969b.

Description of the male: Bozic, 1969b.

Schizopera (Sch.) *californica* Lang, 1965b

Schizopera (Sch.) *knabeni* Lang, 1965b

Amendments: Rosenfield, 1967; Fiers & Rutledge, 1990.

Schizopera (Sch.) *borutzkii* (f) Monchenko, 1967b

Description of the male: Monchenko & Polishchuk, 1969.

Schizopera (Sch.) *kunzi* (f) Apostolov, 1967

Amendments: Apostolov, 1972 and 1973a; Apostolov & Marinov, 1988.

Schizopera (Sch.) *taricheana* Por, 1968b

Schizopera (Sch.) *aralensis* Borutzky, 1971

Schizopera (Sch.) *reducta* Borutzky, 1971

Schizopera (Sch.) *carolinensis* Coull, 1971b.

Schizopera (Sch.) anomala Coull, 1971b

Schizopera (Sch.) petkovskii (f) Apostolov, 1971b

(Apostolov erroneously spelt the specific epitheton '*petkovski*').

Amendments: Apostolov, 1973a; Apostolov & Marinov, 1988.

Schizopera (Sch.) tobae Chappuis *cubana* Petkovski, 1973

Freshwater species.

Amendments: Morales *et al.*, 1996.

Schizopera (Sch.) bradyi (f) Soyer, 1975a

Schizopera (Sch.) lindae Apostolov & Pesce, 1987

Species found in freshwater.

Schizopera (Sch.) lagrecai Pesce, 1988

Brackish-water species.

Schizopera (Sch.) pori Jimenez Alvarez, 1988

Brackish-water species.

Schizopera (Sch.) cicolanii Galassi & Pesce, 1988

Species collected in an estuary.

Schizopera (Sch.) dimentmani Por, 1993

Schizopera (Sch.) hawaiiensis Kunz, 1995b

Schizopera (Sch.) osana Mielke, 1995b

Species incerta

Schizopera sp. Mielke, 1995b

Subgenus *Neoschizopera* Apostolov, 1982

Apostolov (1982) assembled the following species (see Lang, 1948) in this subgenus: *Schizopera unguolata* Sars, *Sch. minuticornis* Sars, *Sch. spinulosa* Sars, *Sch. fimbriata* Sars, *Sch. rotundipes* Gurney.

Species novae

Schizopera (N.) ornata Noodt & Purasjoki, 1953

Amendments: Mielke, 1974.

Schizopera (N.) meridionalis Petkovski, 1954

This 'variety' of *Sch. ornata* Noodt & Purasjoki(1953) described by Petkovski was upgraded to specific rank by Noodt (1958a) and Lang (1965b).

Synonym: *Sch. inornata* Noodt, 1955e (after Noodt, 1958a and Lang, 1965b).

Amendments: Marinov, 1971; Mielke, 1974; Apostolov & Marinov, 1988.

Schizopera (N.) meridionalis Petkovski *listensis* Mielke, 1975

Schizopera (N.) chaetosa (m) Petkovski, 1954

Description of the female: Apostolov, 1971b.

Amendments: Apostolov, 1973a; Apostolov & Marinov, 1988.

Schizopera (N.) monardi (f) Petkovski, 1955b

Schizopera (N.) pratensis Noodt, 1958a

Schizopera (N.) lacusamari Por & Marcus, 1972

Schizopera (N.) arconae (f) Arlt, 1983

Schizopera (N.) giselae (f) Jimenez Alvarez, 1988

Species found in estuary.

Schizopera (N.) spinifer Wells & Rao, 1987

Genus *Eoschizopera* Wells & Rao, 1976

Genus created to unify some species displaying primitive characters. The genus was revised by Apostolov (1982) and subdivided in two subgenera.

Subgenus *Eoschizopera* Apostolov, 1982

Eoschizopera (E.) sylvensis (Mielke, 1973)

Comb. nov. (Wells & Rao, 1976) for *Schizopera sylvensis* Mielke, 1973. Type-species of the genus *Eoschizopera*.

Amendments (rectifications): Mielke, 1975 (as *Schizopera sylvensis*).

Eoschizopera (E.) reducta Wells & Rao, 1976

Amendments: Kunz, 1983.

Eoschizopera (E.) chiloensis Mielke, 1992a

Eoschizopera (E.) nicoyana Mielke, 1995b

Subgenus *Praeoschizopera* Apostolov, 1982

Eoschizopera (P.) crassispinata (Chappuis, 1954)

Comb. nov. (Wells & Rao, 1976) for *Schizopera crassispinata* Chappuis, 1954b. Type-species of the subgenus *Praeoschizopera*, after Apostolov, 1982.

Amendments: Rao & Ganapati, 1969b (as *Schizopera crassispinata*).

Eoschizopera (P.) gligici (f) (Petkovski, 1957)

Comb. nov. (Wells & Rao, 1976) for *Schizopera gligici* Petkovski, 1957.

Amendments: Apostolov, 1973a (as *Schizopera gligici*) ; Apostolov & Marinov, 1988.

Description of the male: Michailova-Neikova, 1966 (as *Schizopera gligici*).

Eoschizopera (P.) indica (Rao & Ganapati, 1969)

Comb. nov. (Wells & Rao, 1976) for *Schizopera indica* Rao & Ganapati, 1969a.

Species incertae sedis

Eoschizopera (P.) marlieri (Rouch & Chappuis, 1960)

Comb. nov. (Wells & Rao, 1976) for *Schizopera marlieri* Rouch & Chappuis, 1960.

Schizopera issykkulica Mauyilova, 1966

Schizopera elatensis Kahan & Bar-El, 1982

Synonym: *Schizopera soyeri* Kunz, 1983 (after Kunz, 1995b).

Genus *Ialysus* Brian, 1927

Ialysus rufus Brian, 1927

Synonym: *Tydemanella rufus* Brian *sensu* Nicholls, 1941a (after Nicholls, 1941b).

Amendments: Nicholls, 1944.

Genus *Teissierella* Monard, 1935

This genus is still considered as '*incerta et incerta sedis*', after Lang, 1965b.

Species novae

Teissierella massiliensis Bodin, 1964

Teissierella pontica (f) Apostolov, 1968a

The generic name was erroneously spelt '*Teisseriella*' in Apostolov paper.

Genus *Parialysus* Nicholls, 1941b

Parialysus robustus (Nicholls, 1941)

Comb. nov. (Nicholls, 1941b) for *Tydemanella robusta* Nicholls, 1941a. Lang (1965b) considered the genus *Tydemanella* A. Scott too ill-defined and proposed to disregard it. However, Vervoort (1964) claimed to have found some specimens of *P. robustus*, which he considered as valid.

Amendments: Wells & Rao, 1987.

Species incertae

Parialysus investigatoris (Sewell, 1940)

Comb. nov. (Wells & Rao, 1987) for *Ialysus investigatoris* Sewell, 1940.

Parialysus proximus (m) (Sewell, 1940)

Comb. nov. (Wells & Rao, 1987) for *Ialysus proximus* Sewell, 1940.

About this species (not for *I. investigatoris* as claimed by Vervoort, 1964, p. 239), Nicholls (1945a, p. 15) assumed that Sewell interchanged the pereopods and that *I. proximus* probably was a representative of the genus *Parialysus* Nicholls.

Genus *Psammotopa* Pennak, 1942

Synonym: *Protoleptastacus* Noodt, 1952b (after Noodt, 1952b, p. 140).

This genus, initially attributed to the **Canthocamptidae** by its author, was transferred to the **Cylindropsyllidae** by Noodt (1952b, p. 140); but Geddes (1968e) demonstrated that it belongs to the **Diosaccidae**.

Key to the species: Noodt, 1955c.

***Psammotopa vulgaris* Pennak, 1942**

Amendments: Chappuis, 1954a.

Redescription: Masry, 1970; Lindgren, 1975.

***Psammotopa phyllosetosa* (Noodt, 1952)**

Comb. nov. (Noodt, 1952b and Lang, 1965b) for *Protoleptastacus phyllosetosus* Noodt, 1952b.

Amendments: Mielke, 1975.

***Psammotopa chappuisi* Noodt, 1955**

Nom. nov. (Noodt, 1955c) for *Ps. vulgaris* Pennak *sensu* Chappuis, 1954a.

***Psammotopa polyphylla* Noodt, 1955c**

***Psammotopa biarticulata* Mielke, 1990c**

***Psammotopa trisetosa* (f) Mielke, 1995a**

Genus *Cladorostrata* Shen & Tai, 1963

***Cladorostrata brevipoda* Shen & Tai, 1963**

***Cladorostrata longipoda* Shen & Tai, 1963**

Genus *Pholenota* Vervoort, 1964

This monotypic genus display characters of both **Laophontidae** and **Diosaccidae**. Therefore Vervoort took care to precise that the position of the genus *Pholenota* was only provisional. Also Lang (1965b) did not see to what family this new genus could be assigned. After examination of Vervoort's holotype, Huys (1990b) was convinced that this genus should be attributed to the **Diosaccidae**.

***Pholenota spatulifera* (f) Vervoort, 1964**

Redescription: Huys, 1990b.

Genus *Pseudostenhelia* Wells, 1967

Key to the species: Coull & Fleeger, 1977; Ranga Reddy, 1984b

Chaetotactic table: Coull & Fleeger, 1977.

***Pseudostenhelia prima* Wells, 1967**

***Pseudostenhelia secunda* (m) Wells, 1971**

Description of the female and redescription of the male: Ranga Reddy, 1984b.

***Pseudostenhelia wellsii* Coull & Fleeger, 1977**

Genus *Paramphascoides* Wells, 1967

Paramphascoides mixtus Wells, 1967

Genus *Actopsyllus* Wells, 1967

Actopsyllus longipes Wells, 1967

Genus *Schizoperoides* Por, 1968a

Schizoperoides expeditionis (f) Por, 1968a

Genus *Protosammotopa* Geddes, 1968e

Protosammotopa norvegica Geddes, 1968e

Protosammotopa wilsoni Wells, 1977

Genus *Balucopsylla* Rao, 1972

Balucopsylla similis Rao, 1972

Balucopsylla triarticulata Wells & Rao, 1987

Amendments: Mielke, 1994b.

Genus *Helmutkunzia* Wells & Rao, 1976

Helmutkunzia hartmannorum (Kunz, 1971)

Comb. nov. (Wells & Rao, 1976) for *Actopsyllus hartmannorum* Kunz, 1971a.

Helmutkunzia variabilis Wells & Rao, 1987

Genus *Onychostenhelia* Itô, 1979b

Onychostenhelia falcifera Itô, 1979b

Genus *Miscegenus* Wells, Hicks & Coull, 1982

Genus close to *Paramphascella*, *Amphascoides* and *Paramphascoides* after its authors and which resembles, in my opinion, closely the genus *Teissierella* Monard (particularly the P₅).

Miscegenus heretaunga Wells, Hicks & Coull, 1982

Genus *Schizoperopsis* Apostolov, 1982Subgenus *Schizoperopsis* Apostolov, 1982*Schizoperopsis (Sch.) arenicola* (Chappuis & Serban, 1953)

Comb. nov. (Apostolov, 1982) for *Schizopera arenicola* Chappuis & Serban, 1953.

Amendments: Apostolov, 1973a (as *Schizopera arenicola*) ; Apostolov & Marinov, 1988.

Schizoperopsis (Sch.) varnensis (f) (Apostolov, 1967)

Comb. nov. (Apostolov, 1982) for *Schizopera varnensis* Apostolov, 1967.

Synonym: *Schizopera arenicola* Chappuis & Serban *sensu* Marinov, 1971 (after Apostolov, 1973a).

Amendments: Apostolov & Marinov, 1988.

Schizoperopsis (Sch.) nicholli (Soyer, 1975)

Comb. nov. (Apostolov, 1982) for *Schizopera nicholli* Soyer, 1975a.

Subgenus *Psammoschizoperopsis* Apostolov, 1982*Schizoperopsis (Ps.) gauldi* (Chappuis & Rouch, 1961)

Comb. nov. (Apostolov, 1982) for *Schizopera gauldi* Chappuis & Rouch, 1961a.

Diosaccidae incerta sedis

Diosaccidae gen. et sp.? (m) Bodin, 1968b.

Fam. **MIRACIIDAE** Dana, 1846

The previous name of the family (Miracidae) was corrected by Huys & Böttger-Schnack (1994).

Genus *Miracia* Dana, 1846

Miracia efferata Dana, 1849

Redescription: Huys & Böttger-Schnack (1994).

Genus *Oculosetella* Dahl, 1895

Oculosetella gracilis (Dana, 1849)

Redescription: Huys & Böttger-Schnack (1994).

Genus *Macrosetella* A. Scott, 1909

Macrosetella gracilis (Dana, 1847)

Amendments: Carvalho, 1945, 1952a; Dahms, 1989.

Redescription: Huys & Böttger-Schnack (1994).

Genus **Distiocus* Huys & Böttger-Schnack, 1994

Distiocus minor (T. Scott, 1894)

Comb. nov. (Huys & Böttger-Schnack, 1994) for *Miracia minor* T. Scott, 1894.

Redescription: Huys & Böttger-Schnack (1994).

Fam. METIDAE Sars, 1910

Genus *Metis* Philippi, 1843*Metis ignea* Philippi, 1843

Amendments: Vos, 1945; Pesta, 1959; Dussart, 1967; Apostolov & Marinov, 1988.

Metis holothuriae (Edwards, 1891)

Synonyms: *Metis jousseaumei* (Richard) f. *major* Sewell, 1940 and *Metis jousseaumei* (Richard) f. *minor* Sewell, 1940 (after Noodt, 1955a and Vervoort, 1964).

Amendments: Carvalho, 1952a (as *M. jousseaumei*); Candeias, 1959 (as *M. jousseaumei*); Marques, 1961; Yeatman, 1976.

*Species et forma novae**Metis ignea* Philippi *halmyricola* Marcus & Por, 1961*Metis galapagoensis* Mielke, 1989c

This species was defined with reserve, pending upon clarification of the *Metis holothuriae*/*M. jousseaumei* 'complex'.

Metis reducta Fiers, 1992a*Species incerta**Metis* sp. Mielke, 1989c

Brief description (chaetotaxy) of a single female, without illustration.

Genus *Laubieria* Soyer, 1966

Key to the species: Fiers, 1992a.

Laubieria corallicola (f) Soyer, 1966*Laubieria secunda* (f) Wells, 1967*Laubieria tercera* Fiers, 1992a

Fam. **AMEIRIDAE** Monard, 1927 (part.), Lang, 1936

The genera *Cancrincola* and *Antillesia* were transferred to the family **Cancrincolidae** by Fiers (1990b). The genus *Abyssameira* Itô is now considered as a synonym of *Argestes* Sars (**Argestidae**).

Key to the genera: Lang, 1965b (p. 339); Petkovski, 1976b.

Subfam. **Ameirinae** Lang, 1944Genus *Ameira* Boeck, 1865*Ameira longipes* Boeck, 1865

Synonym: *A. curviseta* Willey, 1929 (after Lang, 1965b, who placed this species in 'species incertae et incertae sedis' in his 1948 monograph).

Amendments: Monk, 1941; Roe, 1958; Pesta, 1959; Chislenko, 1967; Mielke, 1974; Pallares, 1975e; Chislenko, 1977; Apostolov & Marinov, 1988.

Description of the male: Lang, 1965b, p. 340 to 343 (the male described by Sars (1907) is not the one of *A. longipes*).

Ameira minuta Boeck, 1865

Amendments: Chislenko, 1967.

Ameira parvula (Claus, 1866)

Cosmopolitan species often confounded with *A. longipes* Boeck, after Wells & Rao, 1987.

Synonym: *Ameira parvula* f. *tenuiseta* Willey (1929), after Wells & Rao, 1987.

Amendments: Steuer, 1943 (as *Ameira parvula* f. *tenuiseta*); Vos, 1945; Klie, 1950; Bozic, 1955; Pesta, 1959; Petkovski, 1964b; Vilela, 1965; Chislenko, 1967; Mielke, 1974 and 1975; Kunz, 1975b; Pallares, 1975e; Moore, 1976a; Apostolov, 1977 (as *Ameira parvula* f. *tenuiseta*); Chislenko, 1977; Wells & Rao, 1987; Apostolov & Marinov, 1988 (who distinguished the subspecies *tenuiseta* from the species *parvula*).

Redescription: Vervoort, 1962.

Ameira parvula f. *nana* Willey, 1935

Redescription: Dinét, 1971.

Ameira tenuicornis T. Scott, 1902

Description of the male: Wells, 1961.

Ameira pusilla T. Scott, 1903

Species 'incertae et incertae sedis' for Lang, 1948.

Redescription of the female and description of the male: Bodin, 1979a.

Ameira tenella Sars, 1907

Amendments: Moore, 1976a; Kunz, 1983; Apostolov & Marinov, 1988.

Ameira scotti Sars, 1911

Amendments: Jakobi, 1954b; Bodin, 1964, 1970; Vilela, 1965; Chislenko, 1967 (?); Drzycimski, 1969; Apostolov & Marinov, 1988.

Ameira scotti var. *brevicornis* Monard, 1926

Amendments: Apostolov & Marinov, 1988.

Species novae

Ameira longicaudata Nicholls, 1940

Ameira divagans Nicholls, 1940

Redescription of the female and description of the male: Scheibel, 1972 and 1974 (from specimens of the Kiel Bay).

Ameira divagans f. *africana* Kunz, 1963a

Ameira divagans f. *pontica* (f) Marinov, 1973b

Amendments: Apostolov & Marinov, 1988.

Ameira spinipes Nicholls, 1940

The systematic position of this species is problematical, after Lang (1965b).

Ameira usitata Klie, 1950

Amendments: Kunz, 1975b.

Ameira hyalina (f) (Noodt, 1952)

Comb. nov. (Mielke, 1975) for *Psammameira hyalina* Noodt, 1952b.

Description of the male: Mielke, 1975.

Ameira brevipes (f) Kunz, 1954

Description of the male: Klie, 1950 (as *A. tenella* Sars), after Kunz (1954) and Noodt (1955d).

Amendments: Apostolov, 1977; Apostolov & Marinov, 1988.

Ameira brevipes pestae Petkovski, 1955

Nom. nov. (Lang, 1965b) for *A. pestae* Petkovski, 1955a.

Amendments: Marinov, 1971; Apostolov & Marinov, 1988.

Ameira brevipes f. *pontica* (f) Apostolov, 1969a

Amendments: Apostolov & Marinov, 1988.

Ameira reducta Petkovski, 1954

Ameira atlantica Noodt, 1958b

Species close to *A. reducta* Petkovski.

Ameira atlantica f. *mediterranea* Kunz, 1975a

Ameira longifurca Bodin, 1964

Moore (1976a) assumed that this species is a synonym of *A. tenella* Sars.

Ameira parasimulans Lang, 1965b

Ameira parvuloides Lang, 1965b

Species close to *A. parvula* (after Moore, 1976a).

Ameira gravellicola Guille & Soyer, 1966.

Ameira bengalensis (f) Rao & Ganapati, 1969a

Ameira lusitanica Galhano, 1970

Ameira intermedia (f) Galhano, 1970

Ameira listensis (f) Mielke, 1973

Description of the male: Mielke, 1975.

Ameira parascotti (f) Chislenko, 1977

Ameira bathyalis Becker & Schriever, 1979

Ameira faroensis (f) Schriever, 1982b

Ameira confluens Ranga Reddy, 1984a

Species incertae

Ameira marina (Jaschnov, 1935)

Comb. nov. (Lang, 1965b), with reserves, for *Nitocra marina* Jaschnov, 1935.

Ameira scotti ssp. *brasiliensis* Jakobi, 1954b

This 'subspecies' was considered questionable by Lang (1965b).

? *Ameira minuta* Boeck *sensu* Wiborg, 1964

Genus *Proameira* Lang, 1948

Proameira simplex (Norman & T. Scott, 1905)

Amendments: Guille & Soyer, 1966; Chislenko, 1967.

Description of the male: Chislenko, 1967.

Proameira dubia (Sars, 1920)

Amendments: Por, 1964a.

Proameira arenicola (Lang, 1935)

Description of the male: Klie, 1950.

Proameira hiddensoensis (Schäfer, 1936)

Amendments: Klie, 1950; Kunz, 1954.

Redescription: Pallares, 1982a.

Species novae

Proameira psammophila (f) Wells, 1963b

Description of the male: Geddes, 1968d.

Proameira signata Por, 1964b

Proameira echinipes Soyer, 1975c

Proameira thetiensis Pallares, 1982a.

Genus *Nitocra* Boeck, 1865

T.E. Bowman (1988) thought that we have to come back to the original spelling of the genus, *Nitokra*, which was followed by Morales *et al.* (1996); but Mielke (1993) proposed to maintain the spelling *Nitocra*, 'in keeping with the custom', which is recommended by the International Code of Zoological Nomenclature.

Key to the species from the Black Sea and Bulgaria: Apostolov, 1980a and 1988.

Nitocra typica Boeck, 1865

Synonym (?): *Ameira littoralis* Nicholls, 1940 (after Lang, 1965b).

Amendments: Veldre & Maesmets, 1956; Pesta, 1959; Apostolov, 1973b; Mielke, 1975; Apostolov & Marinov, 1988.

Nitocra spinipes Boeck, 1865

For this very variable species, Wells & Rao (1987) rejected the subspecies concept.

Synonyms: *N. parafragilis* Roe, 1959 and *N. fragilis* ssp. *paulistana* Jakobi, 1956 (after Lang, 1965b).

? *N. medusae* Humes, 1953 (after Lang, 1965b) (the species name is spelt *medusaea* by its author).

Nitocra spinipes orientalis Sewell, 1924 (after Wells & Rao, 1987).

Nitocra spinipes armata Lang, 1965b (after Wells & Rao, 1987).

Amendments: Veldre & Maesmets, 1956; Lang, 1965b; Tanaka & Hue, 1968; Por, 1968a (as *Nitocra spinipes orientalis*); Apostolov, 1972; Letova, 1982; Apostolov & Marinov, 1988; Morales *et al.*, 1996 (genus name spelt *Nitokra* by the latter).

Nitocra lacustris (Schmankevitch, 1875)

Amendments: Bozic, 1965; Dussart, 1967; Apostolov, 1973e; Apostolov & Marinov, 1988.

Nitocra hibernica (Brady, 1880)

Amendments: Noodt, 1954a; Dussart, 1967; Apostolov & Marinov, 1988.

Nitocra fragilis Sars, 1905

Amendments: Apostolov & Marinov, 1988.

Nitocra pusilla Sars, 1911

Description of the male: Roe, 1958.

Amendments: Apostolov & Marinov, 1988.

Nitocra divaricata Chappuis, 1923

Amendments: Apostolov & Marinov, 1988.

Redescription: Defaye, 1996.

Nitocra affinis Gurney, 1927

Amendments: Petkovski, 1954; Roe, 1958; Apostolov, 1973b; Apostolov & Marinov, 1988.

Nitocra minor Willey, 1930

Amendments: Por, 1964a.

Nitocra reducta (Schäfer, 1936)

Comb. nov. (Noodt, 1957 and Lang, 1965b) for *Nitocrella reducta* Schäfer, 1936 *sensu* Chappuis (1938) and Lang (1948).

Synonym: *Pseudameira kunzi* Petkovski, 1956 (after Noodt, 1957 and Lang, 1965b).

Redescription: Noodt, 1957.

Nitocra fallaciosa Klie, 1937

Synonym: (?) *N. psammophila* Noodt, 1952a (after Noodt, 1953 and Lang, 1965b).

Redescription: Noodt, 1953; Petkovski, 1964b.

Amendments: Apostolov, 1973e; Apostolov & Marinov, 1988.

*Species novae**Nitocra divaricata* Chappuis *casgica* Behning, 1936*Nitocra typica* Boeck *adriatica* Petkovski, 1954

Amendments: Apostolov & Marinov, 1988.

Nitocra cari Petkovski, 1954*Nitocra affinis* Gurney *riekana* Petkovski, 1954

Amendments: Noodt, 1958b; Rao & Ganapati, 1969b.

Nitocra affinis californica Lang, 1965b

Amendments: Kunz, 1975b; Apostolov, 1980a; Apostolov & Marinov, 1988.

Nitocra affinis stygia Por, 1968a*Nitocra lacustris* (Schmankevitch) *sinoi* (m) Marcus & Por, 1961

Description of the female and redescription of the male: Petkovski, 1976a.

Amendments: Morales *et al.*, 1996 (generic name spelt as *Nitokra*).

Nitocra lacustris azorica Kunz, 1983*Nitocra lacustris pacifica* Yeatman, 1983

Amendments: Fiers, 1986f.

Nitocra lacustris colombianus Reid, 1988*Nitocra uenoi* Miura, 1962*Nitocra phreatica* Bozic, 1964a*Nitocra balnearia* Por, 1964d*Nitocra fallaciosa* Klie *baltica* Lang, 1965a*Nitocra minor* Willey *mozambicoe* Wells, 1967*Nitocra reducta* (Schäfer) *fluviatilis* Galhano, 1968*Nitocra elongata* Marcus, 1968*Nitocra reunionensis* Bozic, 1969b

Nitocra hamata (f) Bodin, 1970

Nitocra arctolongus Shen & Tai, 1973

Freshwater species.

Nitocra australis Soyer, 1975a

Nitocra delaruei Soyer, 1975a

Nitocra blochi Soyer, 1975a

Nitocra sewelli Gurney *husmanni* Kunz, 1976

Nitocra hibernica (Brady) *bulgarica* Apostolov, 1976

Amendments: Apostolov & Marinov, 1988.

Nitocra stygia (Apostolov, 1976)

Comb. nov. (Apostolov, 1980a) for *Nitocrella stygia* Apostolov, 1976.

Synonym: *Nitocra hibernica* (Brady) *sensu* Basamakov, 1976 (after Apostolov & Marinov, 1988).

Amendments: Apostolov & Marinov, 1988.

Nitocra mediterranea (Baird) *pontica* (f) Apostolov, 1980a

Amendments: Apostolov & Marinov, 1988.

Nitocra baltica (f) Arlt, 1983

Nitocra pseudospinipes Yeatman, 1983

Nitocra laingensis Fiers, 1986f

Nitocra quadriseta Wells & Rao, 1987

Nitocra sphaeromata Bowman, 1988

Bowman spelt the genus name *Nitokra*.

Nitocra bisetosa Mielke, 1993

Amendments: Mielke, 1994b.

Species incerta

Nitocra hyperidis Jakobi, 1956

This species was considered questionable by Lang (1965b, who spelt it *hyperides*) as the latter assumed that Jakobi confounded two species of the genera *Nitocra* and *Mesochra* Boeck, respectively.

Genus *Psyllocamptus* T. Scott, 1899

Key to the species: Lang, 1965b (p. 362); Ceccherelli, 1988.

Chaetotactic table of the species: Lindgren, 1975.

Subgenus *Psyllocamptus* s. str. Kunz, 1975b*Psyllocamptus (P.) minutus* Sars, 1911

Redescription of the male: Noodt, 1955d.

Amendments: Wells & McKenzie, 1973; Moore, 1976a (as *Ps. minutus minutus*).

Redescription: Vervoort, 1962.

*Species novae**Psyllocamptus (P.) minutus* Sars *gelatinosus* (Kunz, 1951)

Comb. nov. (Noodt, 1952b; Kunz, 1954 and Lang, 1965b for *Mesochrella gelatinosa* Kunz, 1951).

Psyllocamptus (P.) carolinensis Lindgren, 1975*Psyllocamptus (P.) eridani* Ceccherelli, 1988Subgenus *Langpsyllocamptus* Kunz, 1975b*Psyllocamptus (L.) triarticulatus* (f) Lang, 1965b*Psyllocamptus (L.) quinquespinosus* Coull, 1970b*Psyllocamptus (L.) longisetosus* Kunz, 1975b*Psyllocamptus (L.) quadrospinosus* (f) Kunz, 1975b*Psyllocamptus (L.) fuegiensis* Pallares, 1982a

In the 1988 edition of this catalogue, I erroneously renamed this species as *Ps. pallaresi*.

Genus *Ameiropsis* Sars, 1907

Chaetotactic table of the species: Kunz, 1975b.

Ameiropsis brevicornis Sars, 1907

Description of the male: Klie, 1950.

Ameiropsis longicornis Sars, 1907

Description of the male: Klie, 1950.

Amendments: Por, 1964a.

Ameiropsis mixta Sars, 1907

Amendments: Roe, 1958.

Ameiropsis nobilis Sars, 1911

Description of the male: Bodin, 1964.

Ameiropsis minor (Sars, 1920)

Description of the male: Por, 1964b.

*Species novae**Ameiropsis reducta* Apostolov, 1973d

Amendments: Apostolov & Marinov, 1988.

Ameiropsis australis (f) Kunz, 1975b

Genus *Pseudameira* Sars, 1911

Pseudameira crassicornis Sars, 1911

Amendments: Por, 1964a; Moore, 1976a; Bodin, 1979a.

Description of the male: Moore, 1976a.

Species novae

Pseudameira birulai (f) Smirnov, 1946

Pseudameira breviseta (f) Klie, 1950

Pseudameira reducta Klie, 1950

Redescription: Wells, 1963b.

Pseudameira limicola Soyer, 1975c

Synonym: *Ameira limicola* Soyer, 1971.

Pseudameira perplexa Soyer, 1975c

Pseudameira mixta Sars *adriatica* (f) Apostolov & Petkovski, 1980

Pseudameira antennulata (f) Schriever, 1984a

Pseudameira trisetosa (f) Schriever, 1984

Pseudameira signyensis Gee & Fleegeer, 1986

Species incerta

Pseudameira brevifurca (f) Shen & Bai, 1956

Species 'provisionally' proposed by the authors because of the loss of P₅, P₁ and A₂. Shen & Bai inexplicably placed *Ps. brevifurca* into the **Canthocamptidae**.

Genus *Leptomesochra* Sars, 1911

Key to the species: Soyer, 1966.

Leptomesochra macintoshi (T. & A. Scott, 1895)

Amendments: Mielke, 1975.

Redescription: Noodt, 1952b.

Species novae

Leptomesochra attenuata (Nicholls, 1940)

Comb. nov. (Lang, 1965b) for *Leptameira attenuata* Nicholls, 1940. The genus *Leptameira* was desolved into the genus *Leptomesochra* by Lang (1948), and the species *L. attenuata* (A. Scott) has been allocated to the new genus *Interleptomesochra* Lang, 1965b.

Synonym: *Leptomesochra nichollsi* Noodt, 1955c.

Leptomesochra nasuta (f) Sewell, 1940

The genus *Leptomesochra* was placed in the **Canthocamptidae** by Sewell. This species seems close to *L. confluens* Sars, after Noodt, 1955c.

Leptomesochra hirsuta (f) Wiborg, 1964

Leptomesochra theodoridis Soyer, 1966

Species incerta

Leptomesochra sp.? (f) Bodin, 1964

Nomen nudum

Leptomesochra diazi Kunz & Kunz, 1973.

Genus *Nitocrella* Chappuis, 1923

A first revision of the genus was presented by Lang (1965b), who distributed the species over four distinct genera. Petkovski (1976b) compiled another revision of the genus *Nitocrella* and defined two more new genera: *Nitocrellopsis* and *Stygonitocrella*. In the genus *Nitocrella* s. str. he distinguished three species groups: *vasconica* - *chappuisi* - *hirta*. Species assigned to those related genera and to the species groups (all freshwater species) are to be consulted in the keys provided by Petkovski (1976b).

Key to the species: Pesce, 1984.

Key to the species of the *vasconica* group: Petkovski, 1976b; Coull & Bell, 1979; Pesce, 1984.

Key to the species of the *hirta* group: Petkovski, 1976b; Pesce, 1983a.

Nitocrella hirta Chappuis, 1923

Amendments: Apostolov, 1991.

Species novae

Nitocrella unispinosa Shen & Tai, 1973

Nitocrella hypogea Shen & Tai, 1973

The two species above are freshwater species and were not included in the previous edition.

Nitocrella negreai (m) Petkovski, 1973

Nitocrella orghidani Petkovski, 1973

Nitocrella juturna Cottarelli, 1975

Nitocrella caraioni Petkovski, 1976b

Nitocrella motasi Petkovski, 1976b

Nitocrella cubanorum Petkovski, 1976b

Nitocrella aestuarina Coull & Bell, 1979

Nitocrella petkovskii Pesce, 1980

Nitocrella paceae Pesce, 1980

Nitocrella somalica Dumont, 1981

Nitocrella achaiiae Pesce, 1981b

Nitocrella skyrensis Pesce, 1982

Nitocrella maggi (f) Pesce, 1983a

Nitocrella rhodiensis (f) Pesce, 1983b

Nitocrella morettii Pesce, 1984

Nitocrella fedelitae (f) Pesce, 1985

Nitocrella spinulosa Apostolov, 1991

Nitocrella beatricis Cottarelli & Bruno, 1993

Freshwater species.

Genus *Sarsameira* Wilson, 1924

Key to the species: Reidenauer & Thistle, 1983.

Chaetotactic table: Reidenauer & Thistle, 1983.

Synonym: *Pseudosarsameira* Lang, 1948, p. 802 (after Lang, 1965b, p. 337).

Sarsameira parva (Boeck, 1872)

Amendments: Bodin, 1968b.

Sarsameira longiremis (T. Scott, 1894)

Amendments: Bodin, 1970.

Description of the male: Drzycimski, 1969 (without illustration).

Sarsameira propinqua (T. Scott, 1902)

Description of the male: Drzycimski, 1969 (without illustration).

Sarsameira tenuipes (Thompson & A. Scott, 1903)

Comb. nov. (Lang, 1965b, p. 337) for *Ameira tenuipes* Thompson & A. Scott, 1903.

Sarsameira major (Sars, 1907)

Amendments: Chislenko, 1977.

Sarsameira giraulti Monard, 1935

Redescription: Wells, 1968.

Species novae

Sarsameira difficilis (f) (Smirnov, 1946)

Comb. nov. (Lang, 1965b) for *Parameira difficilis* Smirnov, 1946.

Sarsameira minor Wells, 1967

Sarsameira peresi (f) Bodin, 1970

Sarsameira longifurcata Becker, 1974

Sarsameira elegantula (m) Kunz, 1975b

Sarsameira knorri Reidenauer & Thistle, 1983

Species incertae

Sarsameira pendula (f) (Shen & Bai, 1956)

Comb. nov. (Lang, 1965b) for *Parameira pendula* Shen & Bai, 1956 (species proposed 'provisionally' by its authors because of the loss of the A₂, P₁ and P₅).

Sarsameira longiremis (f) (T. Scott)? Bodin, 1970

Genus *Sicameira* Klie, 1950

Sicameira gracilis (A. Scott, 1896)

Comb. nov. (Por, 1964b and Lang, 1965b) for *Ameira gracilis* A. Scott, 1896.

Redescription: Por, 1964b.

Species novae

Sicameira leptoderma Klie, 1950

Sicameira langi (f) Rao, 1972

Sicameira intermedia (f) Marinov, 1973b

Amendments: Apostolov & Marinov, 1988.

Genus *Psammameira* Noodt, 1952b

The type-species *Ps. hyalina* (Noodt, 1952b) belongs to the genus *Ameira*, after Mielke (1975), who designated as replacement type species:

Psammameira reducta (f) Wells, 1967

Species incerta

Psammameira grandis (Nicholls, 1940)

Comb. nov. (Wells, 1967) for *Ameira grandis* Nicholls, 1940.

Genus *Karllangia* Noodt, 1964

Chaetotactic table of the species: Kunz, 1975b.

Karllangia arenicola Noodt, 1964

Synonym: *Karllangia psammophila* Wells, 1967 (after Wells & Rao, 1987).

Karllangia tertia Kunz, 1975b

Karllangia arenicola bengalensis Wells & Rao, 1987

Karllangia pulchra Mielke, 1994c

Karllangia obscura Mielke, 1994c

Genus *Pseudoleptomesochra* Lang, 1965b*Pseudoleptomesochra typica* Lang, 1965bGenus *Pseudoleptomesochrella* Lang, 1965b

Key to the species: Lang, 1965b (p. 337); Petkovski, 1976b.

Chaetotactic table of the species: Lindgren, 1975.

Pseudoleptomesochrella halophila (Noodt, 1952)Comb. nov. (Lang, 1965b) for *Nitocrella halophila* Noodt, 1952b; designated as type-species.Synonyms: *Nitocrella halophila brevifurca* Wells, 1961 and *Pseudoleptomesochrella brevifurca* (Wells) *sensu* Lang, 1965b (after Mielke, 1975).*Pseudoleptomesochrella pontica* Apostolov, 1969a (after Marinov, 1973b).Amendments: Michailova-Neikova & Voinova-Stavreva, 1971 (as *Nitocrella halophila*); Apostolov, 1972 (as *Pseudoleptomesochrella pontica*); Apostolov & Marinov, 1988.*Pseudoleptomesochrella incerta* (Chappuis & Delamare Deboutteville, 1956)Provisional comb. nov. (Moore, 1975) for *Paraleptastacus? incertus* Chappuis & Delamare Deboutteville, 1956.*Pseudoleptomesochrella marina* (m) (Chappuis & Rouch, 1961)Comb. nov. (Lang, 1965b) for *Nitocrella marina* Chappuis & Rouch, 1961a.*Pseudoleptomesochrella bisetosa* Lindgren, 1975*Pseudoleptomesochrella venezolana* Mielke, 1995aGenus *Interleptomesochra* Lang, 1965b

Key to the species: Lang, 1965b (p. 375).

Chaetotactic table of the species: Lindgren, 1975.

Interleptomesochra attenuata (A. Scott, 1896)Comb. nov. (Lang, 1965b) for *Normanella attenuata* A. Scott, 1896.Synonym: *Leptomesochra attenuata* (A. Scott) *sensu* Lang, 1948.*Interleptomesochra tenuicornis* (Sars, 1911)Comb. nov. (Lang, 1965b) for *Leptomesochra tenuicornis* Sars, 1911; designated as type-species.Description of the male: Vilela, 1965 (as *Leptomesochra tenuicornis*).*Species novae**Interleptomesochra eulitoralis* (Noodt, 1952)Comb. nov. (Lang, 1965b) for *Leptomesochra eulitoralis* Noodt, 1952b.

Amendments: Mielke, 1975.

Interleptomesochra elongata (Bozic, 1955)Comb. nov. (Lang, 1965b) for *Leptomesochra elongata* Bozic, 1955.*Interleptomesochra reducta* (f) Lang, 1965

Interleptomesochra noodti Galhano, 1968

Interleptomesochra boguensis Lindgren, 1975

Genus *Parapseudoleptomesochra* Lang, 1965b

Key to the species: Petkovski, 1976b.

Parapseudoleptomesochra incerta (Chappuis, 1933)

Comb. nov. (Petkovski, 1976b) for *Nitocrella incerta* Chappuis, 1933.

Species novae

Parapseudoleptomesochra polychaeta (Noodt, 1952)

Comb. nov. (Petkovski, 1976b) for *Nitocrella polychaeta* Noodt, 1952b.

Amendments: Mielke, 1975 (as *Nitocrella polychaeta*).

Parapseudoleptomesochra trisetosa (Krishnaswamy, 1957)

Comb. nov. (Lang, 1965b) for *Ameira trisetosa* Krishnaswamy, 1957a.

Synonym: *Parapseudoleptomesochra trisetosa waltirensis* Rao & Ganapati, 1969b, after Mielke (1995a). The accuracy of Krishnaswamy's description is questionable according to Wells & Rao (1987).

Amendments: Wells & Rao, 1987.

Redescription: Mielke, 1995a

Parapseudoleptomesochra minoricae (Chappuis & Rouch, 1961)

Comb. nov. (Petkovski, 1976b) for *Nitocrella minoricae* Chappuis & Rouch, 1961b. Freshwater species.

Parapseudoleptomesochra iranica (Löffler, 1959)

Comb. nov. (Petkovski, 1976b) for *Nitocrella iranica* Löffler, 1959. Freshwater species.

Parapseudoleptomesochra morimotoi (Miura, 1962)

Comb. nov. (Petkovski, 1976b) for *Nitocrella morimotoi* Miura, 1962. Freshwater species.

Parapseudoleptomesochra pristina Wells, 1967

Parapseudoleptomesochra tridens (f) (Bozic, 1969)

Comb. nov. (Petkovski, 1976b) for *Nitocrella tridens* Bozic, 1969b.

Parapseudoleptomesochra botosaneanui (Petkovski, 1973)

Comb. nov. (Petkovski, 1976b) for *Nitocrella botosaneanui* Petkovski, 1973. Freshwater species.

Amendments: Morales *et al.*, 1996.

Parapseudoleptomesochra herirudensis (Sterba, 1973)

Comb. nov. (Petkovski, 1976b) for *Nitocrella herirudensis* Sterba, 1973. Freshwater species.

Parapseudoleptomesochra dubia Kunz, 1975b

Parapseudoleptomesochra italica Pesce & Petkovski, 1980

Parapseudoleptomesochra hellenica Pesce, 1981b

Parapseudoleptomesochra attirei Dumont, 1984

Parapseudoleptomesochra syriaca Cottarelli, Pucetti & Saporito, 1985

Parapseudoleptomesochra almohadensis Rouch, 1986

Parapseudoleptomesochra almoravidensis Rouch, 1986

Parapseudoleptomesochra baeticola Rouch, 1986

Parapseudoleptomesochra fernandezi Rouch, 1986

Parapseudoleptomesochra guadalhorcensis Rouch, 1986

Parapseudoleptomesochra ommeyyadensis Rouch, 1986

Parapseudoleptomesochra balnearia Rouch, 1986

Species incerta

Parapseudoleptomesochra (?) *reductus* Rao, 1972

Parapseudoleptomesochra sp. Pesce, Tetè & Simone, 1981

Parapseudoleptomesochra sp. Rouch, 1987

Genus *Praeleptomesochra* Lang, 1965b

Key to the species: Lang, 1965b (p. 371); Pesce, 1981a.

Praeleptomesochra africana (Kunz, 1951)

Comb. nov. (Lang, 1965b) for *Leptomesochra africana* Kunz, 1951; designated as type-species.

Amendments: Marinov, 1973b; Apostolov & Marinov, 1988.

Praeleptomesochra pygmaea (f) (Vervoort, 1964)

Comb. nov. (Lang, 1965b) for *Leptomesochra pygmaea* Vervoort, 1964.

Praeleptomesochra similis Lang, 1965b

Amendments: Marinov, 1973b.

Praeleptomesochra phreatica Pesce, 1981a

Genus *Parevansula* Guille & Soyer, 1966

Synonym: *Philoleptomesochra* Wells, 1967 (after Moore, 1976a).

Initially attributed to the **Cylindropsyllidae**, *Parevansula* was transferred to the **Ameiridae** by Wells (1967), which was confirmed by Moore (1976a).

Key to the species: Moore, 1976a.

Parevansula mediterranea Guille & Soyer, 1966

Parevansula reductiforma (Wells, 1967)

Comb. nov. (Moore, 1976a) for *Philoleptomesochra reductiforma* Wells, 1967.

Parevansula secunda (f) (Wells, 1967)

Comb. nov. (Moore, 1976a) for *Philoleptomesochra secunda* Wells, 1967.

Parevansula wellsi (f) (Marinov, 1973)

Comb. nov. (Moore, 1976a) for *Phileptomesochra wellsi* Marinov, 1973b.

Amendments: Apostolov & Marinov, 1988.

Parevansula elegans (f) (Marinov, 1974)

Comb. nov. (Moore, 1976a) for *Phileptomesochra elegans* Marinov, 1974a.

Parevansula vermiformis Moore, 1976a

Parevansula elongatus Wells & Rao, 1987

Genus *Paraleptomesochra* Wells, 1967

Paraleptomesochra minima Wells, 1967

Paraleptomesochra wellsi Rao, 1972

Genus *Parameiropsis* Becker, 1974

Parameiropsis peruanus (f) Becker, 1974

Parameiropsis rapiens (f) Becker, 1974

Parameiropsis magnus (f) Itô, 1983

Genus *Limameira* Soyer, 1975c

Limameira mediterranea Soyer, 1975c

Genus *Stygonitocrella* Petkovski, 1976b

Genus *Nitocrellopsis* Petkovski, 1976b

The two above mentioned genera contain freshwater species only and are listed herein as a matter of interest.

Genus *Ameiropsyllus* Bodin, 1979a

Ameiropsyllus arianus (Monard, 1928)

Comb. nov. (Bodin, 1979a) for *Ameiropsis ariana* Monard, 1928.

Synonym: *Ameira ariana* (Monard) *sensu* Steuer, 1943 and Lang, 1965b.

Species nova

Ameiropsyllus monardi (f) Bodin, 1979a

Designated as type-species.

Forma incerta

Ameiropsyllus arianus alexandrinus (Steuer, 1943)

Comb. nov. (Bodin, 1979a) for *Ameira ariana alexandrina* Steuer, 1943. This 'variety', defined upon an apparently abnormal specimen, has 'no raison d'être', after Lang (1965b).

Genus **Pseudoameiropsis* Pallares, 1982b

Pseudoameiropsis argentinus (f) Pallares, 1982b

Genus **Psammonitocrella* Rouch, 1992

Martinez Arbizu & Moura (1994) expressed doubts about the assignation of this genus to the **Ameiridae**.

Psammonitocrella boultoni Rouch, 1992

Freshwater species.

Psammonitocrella longifurcata Rouch, 1992

Freshwater species.

Genus **Psammoleptomesochra* Mielke, 1994c

Psammoleptomesochra australis Mielke, 1994c

Subfam. **Stenocopiinae** Lang, 1944

Genus *Stenocopia* Sars, 1907

Stenocopia longicaudata (T. Scott, 1892)

Amendments: Klie, 1950; Guille & Soyer, 1966.

Stenocopia spinosa (T. Scott, 1892)

Description of the male: Por, 1964b.

Species novae

Stenocopia longicaudata (T. Scott) *pontica* Griga, 1962

Stenocopia longiseta (m) Bozic, 1964a

Description of the female: Kunz, 1975b.

Stenocopia reducta Cottarelli, Saporito & Puccetti, 1986c

Species incerta

Stenocopia sp. (m) Pesta, 1959 (damaged specimen)

Genus *Malacopsyllus* Sars, 1911

Species novae

Malacopsyllus hades (m) Becker, 1974

Malacopsyllus hirsutus Itô, 1983

Genus *Anoplosoma* Sars, 1911

Anoplosoma sordidum Sars, 1911

Amendments: Por, 1964a.

Species nova

Anoplosoma stryx Por, 1964a

Ameiridae incerta sedis

Genus *Haifameira* Por, 1964a

Haifameira archibenthoica (m) Por, 1964a

The systematic position of this genus defined upon a single male specimen, is "impossible to establish", after Lang, 1965b (p. 334).

Fam. ***CANCRINCOLIDAE** Fiers, 1990b

Family defined by Fiers to assemble the genera *Cancrincola* Wilson and *Antillesia* Humes, previously attributed to the **Ameiridae**, and the new genus *Abscondicola*. All species of this family were found in the branchial cavities of terrestrial decapods.

Key to the genera: Fiers, 1990b.

Genus *Cancrincola* Wilson, 1913

Key to the species: Petkovski, 1978; Fiers, 1990b.

Cancrincola jamaicensis Wilson, 1913

Redescription: Humes, 1957a and 1958; Petkovski, 1978 (f).

Amendments: Fiers, 1990b: including copepodid development.

*Species novae**Cancrincola plumipes* Humes, 1941

Redescription: Humes, 1958.

Cancrincola abbreviata Humes, 1957a*Cancrincola longiseta* Humes, 1957a

Redescription: Fiers, 1990b, including copepodid development.

Genus *Antillesia* Humes, 1958

Key to the species: Petkovski, 1978.

Antillesia cardisomae Humes, 1958

Amendments: Fiers, 1990b.

Genus **Abscondicola* Fiers, 1990b*Abscondicola humesi* Fiers, 1990b

Copepodid development: Fiers, 1990b

Fam. **PARAMESOCHRIDAE** Lang, 1944

Synonym: Remaneidae Nicholls, 1945c (after Lang, 1948, p. 1621).

Revisions: Kunz, 1962; Lang, 1965b; Kunz, 1981; Huys, 1987a.

Key to the genera: Kunz, 1981.

Kunz (1981) subdivided the genus *Scottopsyllus* Kunz in three subgenera: *Scottopsyllus* s. str., *Intermedopsyllus* and *Wellsopsyllus*, and ranked the genus *Paraleptopsyllus* Lang as a subgenus in *Leptopsyllus* T. Scott.

In contrast to Lang (1965b), Becker & Kunz (1981) reinstated the original assignation of the genus *Oniscopsis* Chappuis to the **Tetragonicipitidae**.

Finally Huys (1987a) created two subfamilies:

- the Paramesochrinae, including the genera *Remanea* Klie, *Paramesochra* T. Scott, *Scottopsyllus* Kunz (with the three subgenera *Scottopsyllus*, *Intermedopsyllus* and *Wellsopsyllus*), *Kliopsyllus* Kunz, *Apodopsyllus* Kunz, *Leptopsyllus* T. Scott (with the two subgenera *Leptopsyllus* and *Paraleptopsyllus*), *Caligopsyllus* Kunz and *Kunzia* Wells;

- the Diarthrodellinae, including the genera *Tisbisoma* Bozic (initially allocated to the **Tisbidae**), *Diarthrodella* Klie and *Rossopsyllus* Soyer.

Subfam. **Paramesochrinae** Huys, 1987a

Genus *Paramesochra* T. Scott, 1892

Key to the species: Kunz, 1981; Huys, 1987a.

Several species previously assigned to the genus were transferred, the genus assembles now the following species:

Paramesochra dubia T. Scott, 1892

Paramesochra acutata Klie, 1935

Amendments: Mielke, 1975.

Paramesochra pterocaudata (f) Kunz, 1936

Paramesochra similis Kunz, 1936

Amendments: Apostolov & Marinov, 1988.

Paramesochra helgolandica Kunz, 1936

Amendments: Marinov, 1971; Apostolov, 1972 and 1973b; Apostolov & Marinov, 1988.

Species novae

Paramesochra longicaudata Nicholls, 1945c

Amendments: Noodt, 1964.

Paramesochra ornata (f) Krishnaswamy, 1957b

Paramesochra psammophila Noodt, 1964

Paramesochra psammobionta Noodt, 1964

Paramesochra denticulata Rao & Ganapati, 1969a

Paramesochra brevifurca s. str. (f) Galhano, 1970

This species, considered questionable by Kunz (1981), was divided in two subspecies by Huys (1987a).

Paramesochra brevifurca mediterranea Huys, 1987a

Synonym: *Paramesochra brevifurca* Galhano *sensu* Cottarelli (1971c), after Huys (1987a).

Amendments: Cottarelli, 1971c (as *Paramesochra brevifurca*).

Paramesochra acutata Klie *hawaiiensis* Kunz, 1981

Paramesochra borealis Geddes, 1981a

Paramesochra helgolandica galapagoensis Mielke, 1984a

Paramesochra unaspina Mielke, 1984a

Paramesochra kunzi Mielke, 1984b

Paramesochra mielkei Huys, 1987a

Synonym: *Paramesochra* sp. (f) Mielke (1975), after Huys, 1987a.

Paramesochra australis Mielke, 1994c

Species incerta

Paramesochra (?) *helgolandica* Kunz *sensu* Mielke, 1975.

Genus *Leptopsyllus* T. Scott, 1894

Subgenus *Leptopsyllus* Kunz, 1981

Key to the species: Bodin & Jackson, 1987.

Leptopsyllus (*L.*) *typicus* (f) T. Scott, 1894

Leptopsyllus (*L.*) *reductus* (f) Lang, 1948

Description of the male: Por, 1964b.

Species novae

Leptopsyllus (*L.*) *paratypicus* (m) Nicholls, 1939

Leptopsyllus (*L.*) *harveyi* (f) Wells, 1963a

Redescription of the female and description of the male: Wells, 1967.

Leptopsyllus (*L.*) *elongatus* (m) Drzycimski, 1967b

Leptopsyllus (*L.*) *abyssalis* (f) Becker, Noodt & Schriever, 1979

Leptopsyllus (*L.*) *dubatyi* Soyer, 1975a

Leptopsyllus (*L.*) *punctatus* Mielke, 1984a

Leptopsyllus (*L.*) *platyspinosus* Mielke, 1984a

Leptopsyllus (L.) celticus Bodin & Jackson, 1987

Subgenus *Paraleptopsyllus* Lang, 1944

Thus far, this subgenus is monospecific.

Leptopsyllus (P.) arcticus (f) (Lang, 1936)

Synonym: *Paraleptopsyllus arcticus* (Lang, 1948).

Genus *Remanea* Klie, 1929

Remanea arenicola Klie, 1929

Amendments: Nicholls, 1945c; Bozic, 1955; Mielke, 1975; Arlt, 1983.

Species nova

Remanea plumosa (f) Pennak, 1942

Genus *Apodopsyllus* Kunz, 1962

Revision and Key to the species: Lang, 1965b (p. 382); Coull & Hogue, 1978.

Apodopsyllus spinipes (Nicholls, 1939)

Comb. nov. (Kunz, 1962) for *Leptopsyllus spinipes* Nicholls, 1939.

Apodopsyllus littoralis (Nicholls, 1939)

Comb. nov. (Kunz, 1962) for *Leptopsyllus littoralis* Nicholls, 1939.

Amendments: Wells, 1961 (as *Leptopsyllus littoralis*).

Apodopsyllus madrasensis (f) (Krishnaswamy, 1951)

Comb. nov. (Lang, 1965b) for *Leptopsyllus madrasensis* Krishnaswamy, 1951b.

Amendments and description of the male: Wells & Rao, 1987.

Apodopsyllus arenicolus (f) (Chappuis, 1954)

Comb. nov. (Kunz, 1962) for *Leptopsyllus arenicola* Chappuis, 1954d.

Redescription of the female and description of the male: Bodin, 1979a.

Apodopsyllus reductus (m) (Petkovski, 1955)

Comb. nov. (Kunz, 1962) for *Leptopsyllus reductus* Petkovski, 1955b.

Synonyms: *Leptopsyllus perplexus* Wells, 1963a

Leptopsyllus petkovskii Noodt, 1964.

Apodopsyllus adaptatus (Krishnaswamy, 1957)

Comb. nov. (Lang, 1965b) for *Leptopsyllus adaptatus* Krishnaswamy, 1957b.

Amendments: Rao & Ganapati, 1969b (as *Leptopsyllus adaptatus*).

Apodopsyllus depressus (Krishnaswamy, 1957)

Comb. nov. (Lang, 1965b) for *Leptopsyllus depressus* Krishnaswamy, 1957b.

Apodopsyllus africanus Kunz, 1962

Apodopsyllus africanus listensis Mielke, 1975

Apodopsyllus schulzi (Noodt, 1964)

Comb. nov. (Lang, 1965b) for *Leptopsyllus schulzi* Noodt, 1964.

Apodopsyllus vermiculiformis Lang, 1965b

Amendments: Coull & Hogue, 1978.

Apodopsyllus camptus Wells, 1971

Amendments: Wells & Rao, 1987.

Apodopsyllus lynceorum Cottarelli, 1971c

Apodopsyllus unguiformis Coull & Hogue, 1978

Apodopsyllus bermudensis Coull & Hogue, 1978

Synonym: *A. africanus* Kunz *sensu* Coull & Herman (1969), Coull (1970b), Wieser *et al.* (1974) and Wieser (1975).

Apodopsyllus arcuatus Mielke, 1984a

Apodopsyllus panamensis Mielke, 1984b

Apodopsyllus aberrans (f) Mielke, 1984b

This species should be allocated to a new genus, after Huys, 1988e.

Apodopsyllus biarticulatus Cottarelli & Altamura, 1986

Apodopsyllus chilensis Mielke, 1987b

Apodopsyllus cubensis Mielke, 1988

Apodopsyllus melitae Kunz, 1992

Genus *Kliopsyllus* Kunz, 1962

Synonyms: *Klieopsyllus* Kunz *sensu* Becker, 1972

Krishnapsyllus Kunz, 1974 (after Wells, Kunz & Rao, 1975).

Key to the species: Kunz, 1981.

Kliopsyllus holsaticus s. str. (Klie, 1929)

Comb. nov. (Kunz, 1962) for *Paramesochra holsatica* Klie, 1929.

Synonym: *Paramesochra pygmaea* Nicholls, 1939 (after Kunz, 1962).

Amendments: Scheibel, 1972; Mielke, 1975; Wells & Rao, 1987; Apostolov & Marinov, 1988.

Redescription: Kunz, 1981.

Kliopsyllus holsaticus varians (Kunz, 1951)

Comb. nov. (Kunz, 1962) for *Paramesochra holsatica varians* Kunz, 1951.

Kliopsyllus holsaticus longicaudatus Galhano, 1970

***Kliopsyllus coelebs* (m) (Monard, 1935)**

Comb. nov. (Kunz, 1962) for *Paramesochra coelebs* (Monard) *sensu* Lang, 1948.

Description of the female: Pesta, 1959 (as *Paramesochra coelebs*).

Amendments: Pesta, 1959 and Wells, 1963a (as *Paramesochra coelebs*).

***Kliopsyllus constrictus* s. str. (Nicholls, 1935)**

Comb. nov. (Kunz, 1962) for *Paramesochra constricta* (Nicholls) *sensu* Lang, 1948.

Amendments: Chappuis, 1954d (as *Paramesochra constricta*); Marinov, 1971; Apostolov & Marinov, 1988.

***Kliopsyllus constrictus orotavae* (f) (Noodt, 1958)**

Comb. nov. (Kunz, 1962) for *Paramesochra orotavae* Noodt, 1958b.

Amendments and description of the male: Rao & Ganapati, 1969b (as *Paramesochra constricta orotavae*).

Redescription: Masry, 1970.

***Kliopsyllus constrictus pacificus* Mielke, 1984b**

Amendments: Mielke, 1987b.

***Kliopsyllus major* (Nicholls, 1939)**

Comb. nov. (Kunz, 1962) for *Paramesochra major* Nicholls, 1939.

***Kliopsyllus longisetosus* (f) (Krishnaswamy, 1951)**

Comb. nov. (Lang, 1965b) for *Paramesochra longisetosa* Krishnaswamy, 1951b.

Synonym: *Krishnapsyllus longisetosus* (Krishnaswamy) *sensu* Kunz, 1974 (after Wells, Kunz & Rao, 1975).

Description of the male: Krishnaswamy, 1957b (as *Paramesochra longisetosa*).

***Kliopsyllus enalius* (f) (Krishnaswamy, 1957)**

Comb. nov. (Lang, 1965b) for *Paramesochra enalia* Krishnaswamy, 1957b.

***Kliopsyllus pseudogracilis* (Krishnaswamy, 1957)**

Comb. nov. (Lang, 1965b) for *Emertonia pseudogracilis* Krishnaswamy, 1957b.

Amendments: Rao & Ganapati, 1969b (as *Paramesochra pseudogracilis*).

***Kliopsyllus minutus* (f) (Krishnaswamy, 1957)**

Comb. nov. (Lang, 1965b) for *Emertonia minuta* Krishnaswamy, 1957b.

***Kliopsyllus capensis* (Krishnaswamy, 1957)**

Comb. nov. (Lang, 1965b) for *Emertonia capensis* Krishnaswamy, 1957b.

Amendments: Rao & Ganapati, 1969b (as *Paramesochra capensis*).

***Kliopsyllus ponticus* (f) (Serban, 1959)**

Comb. nov. (Bodin, 1967) for *Paramesochra pontica* Serban, 1959.

Redescription: Serban, 1968 (as *Paramesochra pontica* Serban).

***Kliopsyllus perharidiensis* (Wells, 1963)**

Comb. nov. (Bodin, 1967) for *Paramesochra perharidiensis* Wells, 1963a. Resembling very closely *K. holsaticus* s. str., this species was considered valid by Kunz (1971a).

Synonym: *Paramesochra coelebs* (Monard)? *sensu* Bozic, 1953 (after Wells, 1963a and Kunz, 1971a).

Amendments: Kunz, 1971a.

Kliopsyllus idiotes* Wells, 1967**Kliopsyllus masryi* Bodin, 1979a**

Synonym: *K. minutus* Masry, 1970 (this name being preoccupied by *K. minutus* (Krishnaswamy)).

Amendments: Cottarelli, 1971c (as *K. minutus*).

***Kliopsyllus furcavaricatus* (Kunz, 1974)**

Comb. nov. (Wells, Kunz & Rao, 1975) for *Krishnapsyllus furcavaricatus* Kunz, 1974.

***Kliopsyllus spiniger* Wells, Kunz & Rao, 1975**

Redescription: Mielke, 1984a (with reserves).

Kliopsyllus spiniger ornatus* Kunz, 1981**Kliopsyllus insularis* Kunz, 1981*****Kliopsyllus debilis* (f) Kunz, 1981*****Kliopsyllus californicus* Kunz, 1981*****Kliopsyllus atlanticus* Kunz, 1983*****Kliopsyllus miguelensis* (m) Kunz, 1983*****Kliopsyllus regulexstans* Mielke, 1984a**

Amendments: Mielke, 1984b.

***Kliopsyllus similis* Mielke, 1984a**

Redescription: Mielke, 1984b.

Kliopsyllus unguiseta* Mielke, 1984a**Kliopsyllus panamensis* Mielke, 1984b*****Kliopsyllus chilensis* Mielke, 1985b*****Kliopsyllus acutifurcatus* Mielke, 1985b***Species incertae et incertae sedis*

The four following species are probably synonyms of *K. holsaticus*, after Wells & Rao, 1987, who consider the subspecies of *K. holsaticus* of having little significance:

***Kliopsyllus arenicolus* (Krishnaswamy, 1957)**

Comb. nov. (Lang, 1965b) for *Paramesochra arenicola* Krishnaswamy, 1957b.

***Kliopsyllus wilsoni* (f) (Krishnaswamy, 1957)**

Comb. nov. (Lang, 1965b) for *Paramesochra wilsoni* Krishnaswamy, 1957b.

Amendments: Rao & Ganapati, 1969b (as *Paramesochra wilsoni*).

Kliopsyllus longifurcatus Scheibel, 1975

Kliopsyllus paraholsaticus Mielke, 1975

The systematic position of the two species below is still uncertain:

Kliopsyllus gracilis (Wilson, 1932)

Kliopsyllus laurenticus (Nicholls, 1939)

Amendments: Wells, 1963a (as *Paramesochra laurentica*).

Kunz (1962 and 1981) advanced quite some doubts about the assignation of *Emertonia gracilis* C.B. Wilson and *Paramesochra laurentica* Nicholls to the genus *Kliopsyllus*.

Genus *Scottopsyllus* Kunz, 1962

This genus has been divided in three subgenera (Kunz, 1981): *Scottopsyllus* s. str., *Intermedopsyllus* Kunz (1962) and *Wellsopsyllus* Kunz (1981).

Subgenus *Scottopsyllus* Kunz, 1962

Key to the species: Kunz, 1962; Lang, 1965b (p. 378)

Scottopsyllus (*Sc.*) *minor* (T. & A. Scott, 1895)

Comb. nov. (Kunz, 1962, 1981) for *Leptopsyllus minor* T. & A. Scott, 1895.

Amendments: Mielke, 1975; Apostolov & Marinov, 1988.

Scottopsyllus (*Sc.*) *robertsoni* (T. & A. Scott, 1895)

Comb. nov. (Kunz, 1962, 1981) for *Leptopsyllus robertsoni* T. & A. Scott, 1895.

Amendments: Apostolov, 1972; Apostolov & Marinov, 1988.

Scottopsyllus (*Sc.*) *herdmani* (Thomson & A. Scott, 1899)

Comb. nov. (Kunz, 1962, 1981) for *Leptopsyllus herdmani* Thomson & A. Scott, 1899.

Amendments: Marinov, 1971 (who misspelt the generic name '*Scotopsyllus*'); Apostolov, 1972; Mielke, 1975; Letova, 1982; Apostolov & Marinov, 1988.

Scottopsyllus (*Sc.*) *pararobertsoni* Lang, 1965b

Scottopsyllus (*Sc.*) *langi* Mielke, 1984a

Synonym: *Scottopsyllus robertsoni* (T. & A. Scott) *sensu* Marinov, 1971 (with generic name '*Scotopsyllus*').

Amendments: Marinov, 1971 (as *Sc. robertsoni*).

Scottopsyllus (*Sc.*) *langi continentalis* Kunz, 1992

Subgenus *Intermedopsyllus* Kunz, 1962

Key to the species: Kunz, 1962.

Scottopsyllus (*I.*) *intermedius* (T. & A. Scott, 1895)

Comb. nov. (Kunz, 1962, 1981) for *Paramesochra intermedia* (T. & A. Scott) *sensu* Lang, 1948.

Synonym: *Intermedopsyllus intermedius* (T. & A. Scott).

Amendments: Mielke, 1975; Apostolov & Marinov, 1988; Kunz, 1992.

Scottopsyllus (I.) minutus (f) (Nicholls, 1939)

Comb. nov. (Kunz, 1962, 1981) for *Paramesochra minuta* Nicholls, 1939.

Synonym: *Intermedopsyllus minutus* (Nicholls).

Species incerta sedis

Scottopsyllus* (? I.) *smirnovi Kunz, 1992

Subgenus ***Wellsopsyllus*** Kunz, 1981

Scottopsyllus (W.) gigas (m) (Wells, 1965)

Comb. nov. (Kunz, 1981) for *Paramesochra gigas* Wells, 1965b.

Synonym: *Kliopsyllus gigas* (Wells).

Scottopsyllus (W.) runtzi (Soyer, 1975)

Comb. nov. (Kunz, 1981) for *Kliopsyllus runtzi* Soyer, 1975a.

Scottopsyllus (W.) abyssalis (Becker, Noodt & Schriever, 1979)

Comb. nov. (Kunz, 1981) for *Kliopsyllus abyssalis* Becker, Noodt & Schriever, 1979.

Species incerta

Scottopsyllus* aff. *minor (T. & A. Scott) (f) de Kunz, 1981Genus ***Kunzia*** Wells, 1967***Kunzia epacra*** Wells, 1967***Kunzia minutissima*** Wells, 1967***Kunzia bispinosa*** (m) Kunz, 1974Genus ***Caligopsyllus*** Kunz, 1975b

After Huys (1988e), this genus is more close to *Apodopsyllus* Kunz than to *Kliopsyllus* Kunz.

Caligopsyllus primus Kunz, 1975b

Redescription: Huys, 1988e.

Genus ****Biuncus*** Huys, 1996

Nom. nov. (Huys, 1996a) for *Singularia* Huys, 1995a (name preoccupied for a lepidopteran genus).

Biuncus ingens (m) Huys, 1996

Nom. nov. (Huys, 1996a) for *Singularia ingens* Huys, 1995a.

Genus ****Meiopsyllus*** Cottarelli & Forniz, 1994***Meiopsyllus marinae*** Cottarelli & Forniz, 1994

Subfam. **Diarthrodellinae** Huys, 1987aGenus ***Diarthrodella*** Klie, 1949

This genus was initially placed in the **Thalestridae** but was allocated to the **Paramesochridae** by Kunz (1954).

Key to the species: Kunz, 1981, 1983.

Synonym: *Idyanthopsis* Bocquet & Bozic, 1955 (after Kunz, 1962 and 1981); but Bozic (1964b) considered the problem as still unsolved. The genus *Idyanthopsis* was assigned to the **Tisbidae** by its authors.

Diarthrodella orbiculata Klie, 1949***Diarthrodella secunda*** (f) Kunz, 1954

Amendments and description of the male: Mielke, 1975.

Diarthrodella secunda pacifica (f) Kunz, 1981***Diarthrodella psammophila*** (Bocquet & Bozic, 1955)

Comb. nov. (Kunz, 1981) for *Idyanthopsis psammophila* Bocquet & Bozic, 1955. Initially Kunz (1962) considered this species as a synonym of *D. orbiculata*, but Bozic (1964b) supported an opposite opinion.

Diarthrodella parorbiculata (f) Wells, 1963b***Diarthrodella parorbiculata pacifica*** (f) Mielke, 1984a***Diarthrodella convexa*** Kunz, 1981, 1983***Diarthrodella lancifera*** Kunz, 1981, 1983

Kunz (1981) just named the two species above, but omitted a description.

Diarthrodella neotropica Mielke, 1984a***Diarthrodella galapagoensis*** Mielke, 1984a***Diarthrodella chilensis*** Mielke, 1985aGenus ***Tisbisoma*** Bozic, 1964b

After Bozic (1964b), the genus must be placed between the genera *Idyanthopsis* Bocquet & Bozic and *Tisbe* Lilljeborg. However, Bozic himself stressed that the systematic position of the genus *Tisbisoma* remained uncertain. Kunz (1981) and Huys (1987a) allocated it to the **Paramesochridae** (Diarthrodellinae).

Tisbisoma spinisetum Bozic, 1964b***Tisbisoma triarticulatum*** Wells, 1967

Amendments: Wells & Rao, 1987.

Genus *Rossopsyllus* Soyer, 1975a

Rossopsyllus kerguelenensis Soyer, 1975a

“La position systématique de *R. kerguelenensis* est délicate à établir car cette forme présente des affinités avec certains **Paramesochridae**, en particulier avec *Remanea* Klie et *Diarthrodella* Klie, et deux genres décrits plus récemment : *Idyanthopsis* Bocquet & Bozic et *Tisbisoma* Bozic, proches de certains **Tisbidae** et plus spécialement d'**Idyanthinae**” (Soyer, 1975a).

Rossopsyllus kerguelenensis quillonensis Mielke, 1985a

Rossopsyllus obscurus (f) Cottarelli & Baldari, 1987b