

**The state of Sphaeroceridae (Diptera: Acalyptratae):
a world catalog update covering the years 2000–2010,
with new generic synonymy, new combinations,
and new distributions**

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Abstract. The taxonomy and nomenclature of the family Sphaeroceridae (Diptera: Acalyptratae) is reviewed in the context of a world catalog and bibliography covering the last decade (2000–2010). *Bispinicerca* Su & Liu, 2009, syn. nov., is synonymized with *Opacifrons* Duda, 1918 and the following new combinations are given: *Opacifrons liupanensis* (Su & Liu, 2009), comb. nov., *Pseudopterogramma annectens* (Richards, 1964), comb. nov., *Pseudopterogramma brevivenosum* (Tenorio, 1967), comb. nov., and *Pseudopterogramma conicum* (Richards, 1946), comb. nov. Thirty genera and 211 species were added to the family between 2000 and 2010, giving a current total of 141 genera and 1,550 species. A gallery with 32 macrophotographs is provided, depicting 32 species of 30 genera representing 3 subfamilies of Sphaeroceridae. A world bibliography of Sphaeroceridae is supplemented with 306 references.

Key words. Diptera, Sphaeroceridae, catalog, nomenclature, taxonomy, bibliography

Introduction

The world Sphaeroceridae were comprehensively catalogued by ROHÁČEK et al. (2001), covering all 1,339 valid species and 111 genera described up to 2000. Considerable new information is now available about sphaerocerid taxonomy, biology and distribution, and some 30 genera and 211 species have been added to the family since 2000. Our objective in preparing this review is to summarise that new information.

Sphaerocerid taxonomy remains an active field, and the 1,550 species now known certainly represent far less than half the species still awaiting description in the New World and Old World tropics. The higher classification of the family remains poorly resolved and it has even been suggested that the family itself should be reduced to a subfamily within a newly defined “Heteromyzidae” including the Heleomyzidae and Sphaeroceridae (McALPINE 2007). This would reduce the family Sphaeroceridae to subfamily Sphaerocerinae and reduce the subfamilies Tucminae, Copromyzinae, Sphaerocerinae, Homalomitrinae and Limosiniinae to tribes Tucmini, Copromyzini, Sphaerocerini, Homalomitritini and Limosinini. While recognizing that the Heleomyzidae as currently constituted is almost certainly paraphyletic with regard to the Sphaeroceridae, we feel that combining these two large and widely recognized families at this time would serve no useful purpose and would destabilize sphaerocerid nomenclature. As far as we are aware, no other taxonomist working on Sphaeroceridae or Heleomyzidae has accepted McAlpine’s proposal to include the Sphaeroceridae in the Heteromyzidae.

As noted below in the introduction to the Limosiniinae, the generic classification of the Sphaeroceridae was complicated by recent publications (especially PAPP 2008b) which have added dozens of new, mostly monotypic, genera and subgenera from the Old World tropics, generally without discussion of their relationships or the criteria used to decide between species group, subgeneric or generic status. This, plus the very large number of undescribed genera and species in the New World tropics suggests that the classification of this large family will remain unstable for years to come.

Material and methods

Type depositories. The following type depositories were not mentioned in the original catalog (acronyms are based, with some additions, on ARNETT et al. 1993): BAUC, CMNH, IZAV, MUSM, NIID, QZAC, SACS, SMJM. For their full names see “Acronyms used in the catalog” below.

Format. The following entries are generally formatted to correspond with the World Catalog of Sphaeroceridae (ROHÁČEK et al. 2001). No information published in the latter are repeated here except for distribution paragraphs about species for which distributional data were changed (extended or reduced), and type data for taxa with a newly designated lectotype or neotype. Previous records from the former Yugoslavia were associated (where possible) with contemporary countries established on this territory unless the precise locality is unknown, in which case the record is treated as “former Yugoslavia” (as recognised before 1990) in the distribution paragraph.

Acronyms used in the catalog

1. Acronyms of museums and collections

- AMNH American Museum of Natural History, New York, New York, USA;
BAUC Entomological Museum of China Agricultural University, Beijing, China [= formerly Beijing Agricultural University Collection];
BMNH The Natural History Museum [= formerly British Museum (Natural History)], London, England, U.K.;

CMNH	Carnegie Museum of Natural History, Pittsburgh, Pennsylvania, USA;
CNCI	Canadian National Collection of Insects, Agriculture and Agri-Food Canada, Ottawa, Ontario, Canada;
DEBU	Department of Environmental Biology, University of Guelph, Guelph, Ontario, Canada;
HNHM	Hungarian Natural History Museum, Budapest, Hungary;
IESC	Universidad Metropolitana de Ciencias de la Educación, Instituto de Entomología 'Profesor José Herrera González', Santiago, Chile;
INBC	Instituto Nacional de Biodiversidad, Santo Domingo de Heredia, Costa Rica;
IZAV	Instituto de Zoología Agrícola, Universidad Central de Venezuela, Maracay, Venezuela;
MNNC	Museo Nacional de Historia Natural, Santiago, Chile;
MSNM	Museo Civico di Storia Naturale, Milano, Italy;
MUSM	Museo de Historia Natural, Universidad Nacional Mayor de San Marcos, Lima, Peru;
NHMW	Naturhistorisches Museum, Wien, Austria;
NHRS	Naturhistoriska Riksmuseet, Stockholm, Sweden;
NIID	National Institute of Infectious Diseases, Tokyo, Japan [= formerly ENIH - Reference Museum, National Institute of Health, Tokyo];
NZAC	New Zealand Arthropod Collection, Auckland, New Zealand;
QCAZ	Departamento de Biología, Pontificia Universidad Católica del Ecuador, Quito, Ecuador;
ROME	Royal Ontario Museum, Toronto, Ontario, Canada;
SACS	Shenyang University, Shenyang, China;
SMJM	University Malaysia Sabah, Kota Kinabalu, Sabah, Malaysia;
SMOC	Slezské zemské muzeum Opava, Opava, Czech Republic;
SMTD	Staatliches Museum für Tierkunde, Dresden, Germany;
UNSP	Museu de Zoologia, University of São Paulo, Brazil;
USNM	National Museum of Natural History, Smithsonian Institution, Washington, DC, USA;
ZMUC	Universitets Zoologiske Museet, København, Denmark.

2. Abbreviations for states of the continental USA

AL	Alabama	LA	Louisiana	OH	Ohio
AK	Alaska	MA	Massachusetts	OK	Oklahoma
AR	Arkansas	MD	Maryland	OR	Oregon
AZ	Arizona	ME	Maine	PA	Pennsylvania
CA	California	MI	Michigan	RI	Rhode Island
CO	Colorado	MN	Minnesota	SC	South Carolina
CT	Connecticut	MO	Missouri	SD	South Dakota
DC	District of Columbia	MS	Mississippi	TN	Tennessee
DE	Delaware	MT	Montana	UT	Utah
FL	Florida	NC	North Carolina	VA	Virginia
GA	Georgia	ND	North Dakota	VT	Vermont
IA	Iowa	NE	Nebraska	WA	Washington
ID	Idaho	NH	New Hampshire	WI	Wisconsin
IL	Illinois	NJ	New Jersey	WV	West Virginia
IN	Indiana	NM	New Mexico	WY	Wyoming
KS	Kansas	NV	Nevada		
KY	Kentucky	NY	New York		

3. Abbreviations for provinces and territories of Canada

AB	Alberta	NF	Newfoundland	PE	Prince Edward Island
BC	British Columbia	NS	Nova Scotia	QC	Quebec
LB	Labrador	NT	Northwest Territories	SK	Saskatchewan
MB	Manitoba	NU	Nunavut	YK	Yukon
NB	New Brunswick	ON	Ontario		

4. Abbreviations for states of Mexico

AGC	Aguascalientes	GUE	Guerrero	QRE	Querétaro
BCN	Baja California Norte	HID	Hidalgo	SIN	Sinaloa
BCS	Baja California Sur	JAL	Jalisco	SLP	San Luis Potosí
CAM	Campeche	MEX	México	SON	Sonora
CHI	Chiapas	MIC	Michoacán	TAB	Tabasco
CHU	Chihuahua	MOR	Morelos	TAM	Tamaulipas
COA	Coahuila	NAY	Nayarit	TLA	Tlaxcala
COL	Colima	NUL	Nuevo León	VRC	Veracruz
DF	Distrito Federal	OXA	Oaxaca	YUC	Yucatán
DUR	Durango	PUE	Puebla	ZAC	Zacatecas
GUA	Guanajuato	QNR	Quintana Roo		

5. Abbreviations for states and territories of Australia

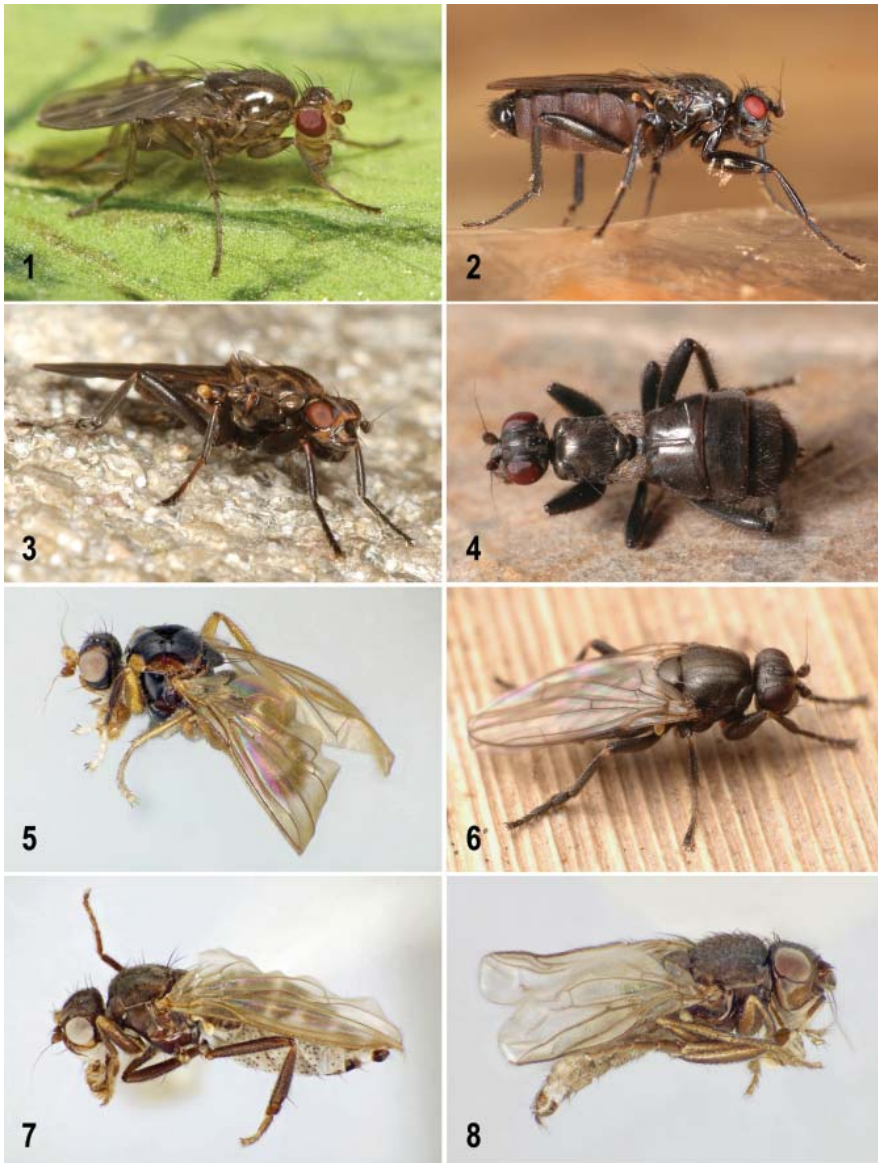
ACT	Australian Capital Territory	NT	Northern Territory	VIC	Victoria
		QLD	Queensland	WA	Western Australia
NSW	New South Wales	TAS	Tasmania		

6. Abbreviations for territories of Russia

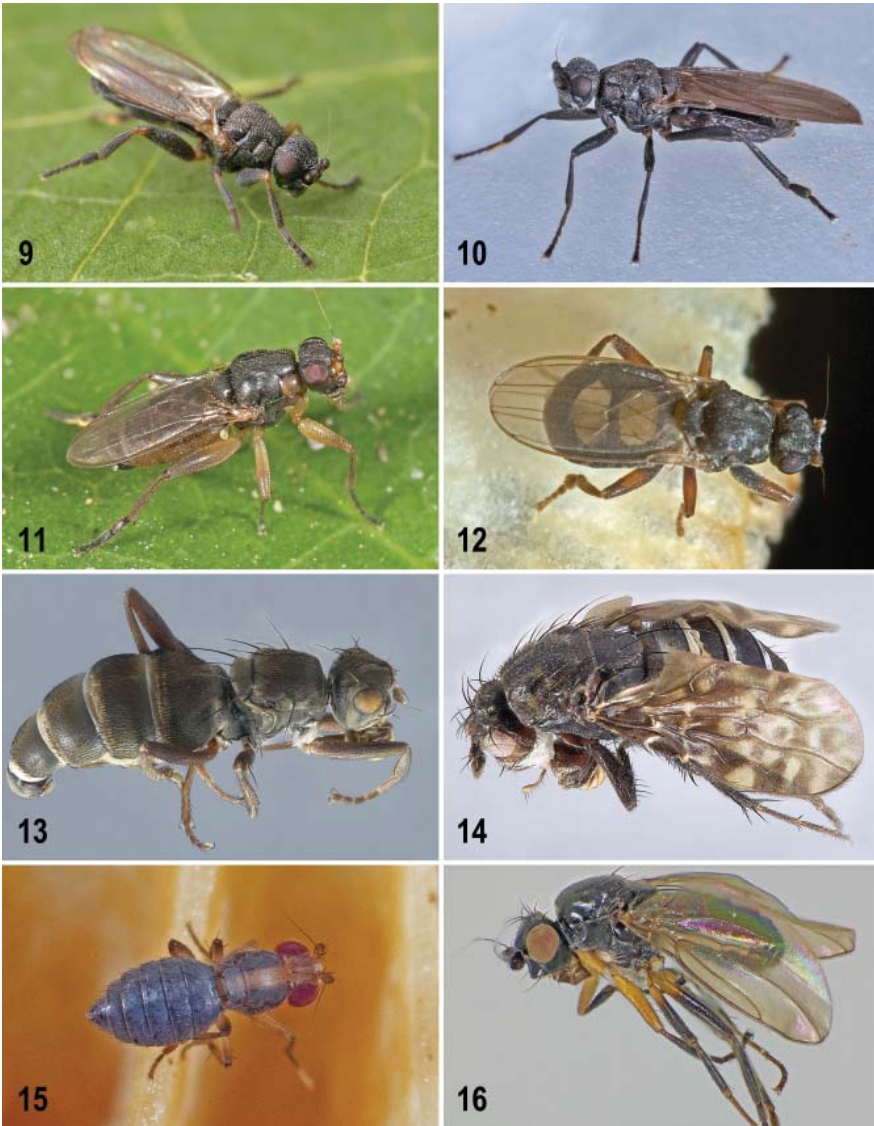
CET	Central European Territory	FE	Far East	WS	West Siberia
		NET	North European Territory		
ES	East Siberia	SET	South European Territory		

7. Abbreviations for provinces, autonomous regions and territories of China

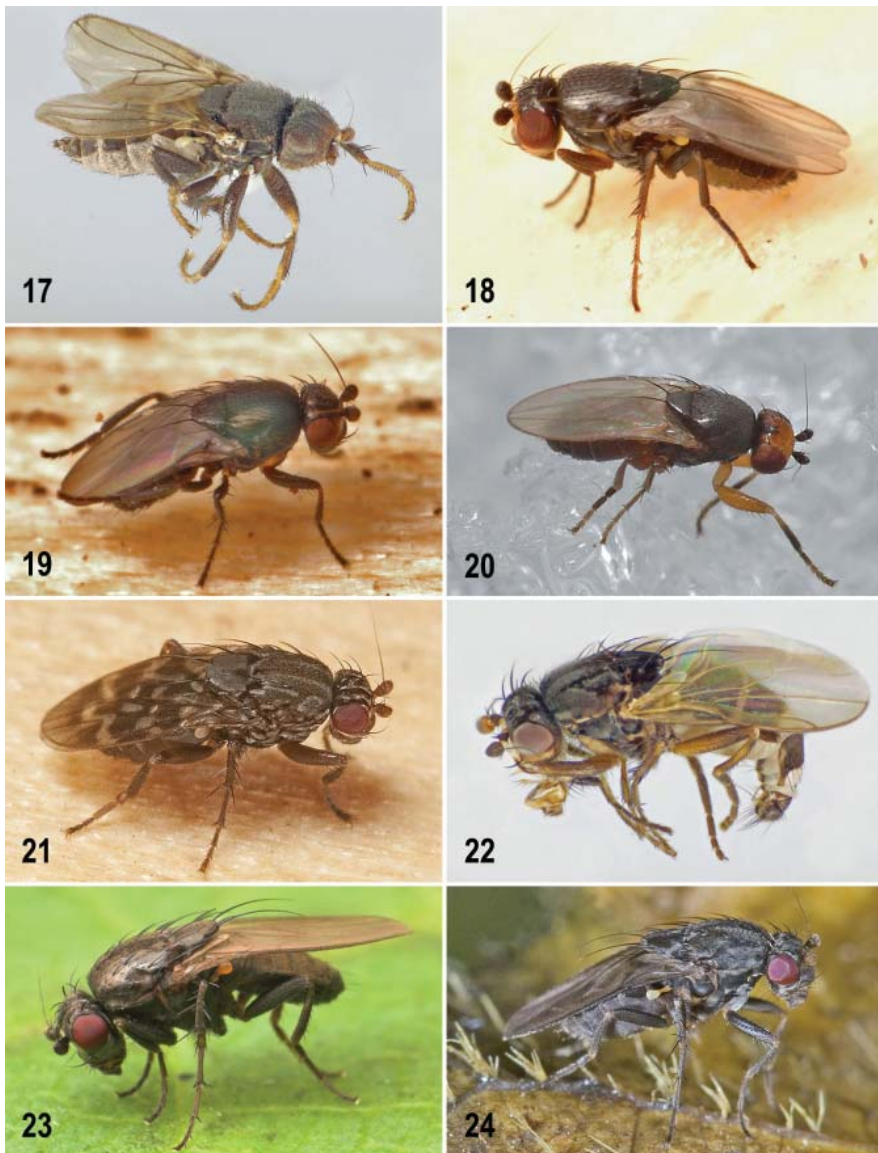
ANH	Anhui	HEN	Henan	QIN	Qinghai
BEI	Beijing	HKG	Hong Kong	SDO	Shandong
CHO	Chongqing	HUB	Hubei	SGH	Shanghai
FUJ	Fujian	HUN	Hunan	SIC	Sichuan
GAN	Gansu	JIL	Jilin	SNX	Shaanxi
GDO	Guangdong	JSU	Jiangsu	SXI	Shanxi
GUI	Guizhou	JXI	Jiangxi	TIA	Tianjin
GXI	Guangxi	LIA	Liaoning	TIB	Xizang (Tibet)
HAI	Hainan	MON	Nei Mongol (Inner Mongolia)	XIN	Xinjiang
HEB	Hebei			YUN	Yunnan
HEI	Heilongjiang	NIN	Ningxia	ZHE	Zhejiang



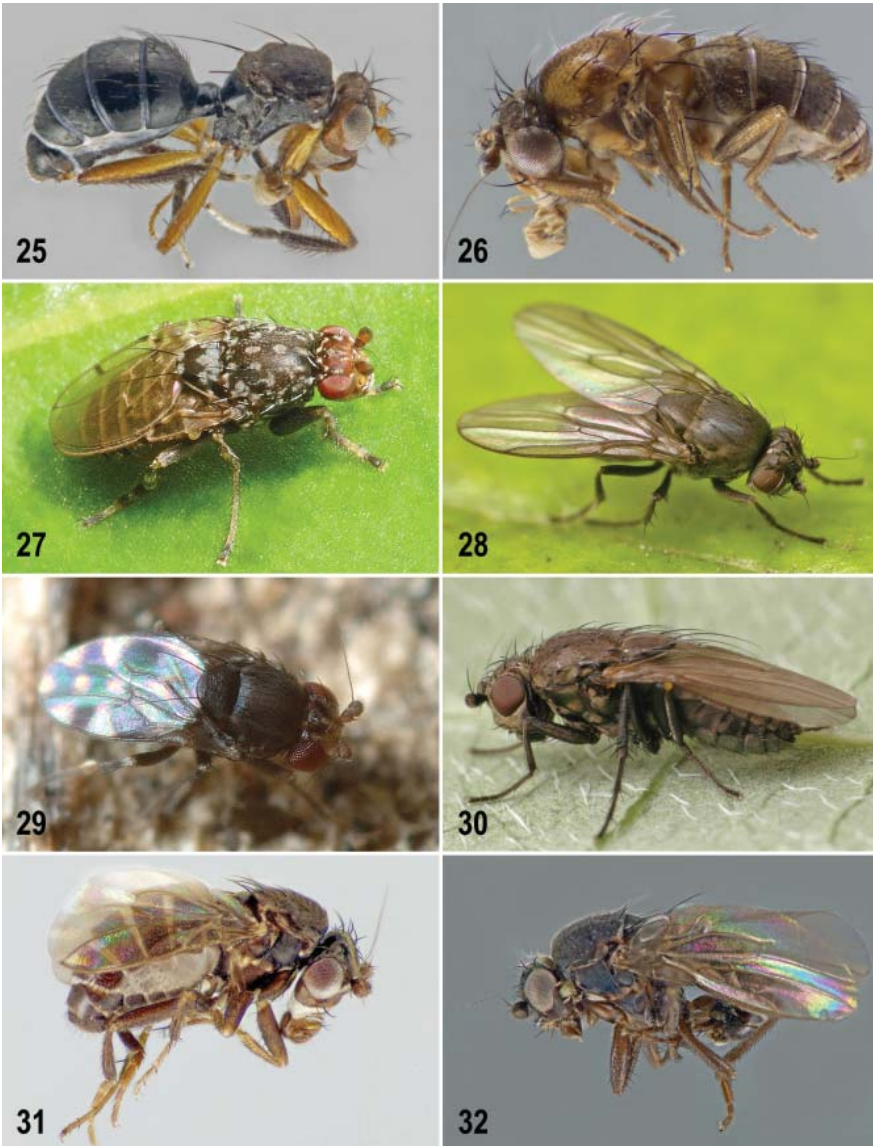
Figs. 1–8. Copromyzinae: 1 – *Archiborborus annulatus* Richards, 1963, female (Chile, 2.5 mm), 2 – *Crumomyia notabilis* (Collin, 1902), male with fungus *Stigmatomyces burdigalensis* on legs (Denmark, 4 mm), 3 – *Copromyza nigrina* (Gimmerthal, 1847), male (Denmark, 4 mm); 4 – *Crumomyia pedestris* (Meigen, 1830), female (Russia, 3.3 mm), 5 – *Gymnometopina* sp., male (South Africa, 3 mm), 6 – *Lotophila atra* (Meigen, 1830), male (Russia, 3 mm), 7 – *Norrbomia frigipennis* (Spuler, 1925), female (USA: Florida, 3 mm), 8 – *Palaeoceroptera clefta* Marshall, 1998, female (Argentina, 2 mm). Photos by S. A. Marshall (Fig. 1), R. Ahlburg (Figs. 2–3), D. Gavryushin (Figs. 4, 6) and D. K. B. Cheung (Figs. 5, 7, 8).



Figs. 9–16. Sphaerocerinae (9–12) and Limosiniinae (13–26): 9 – *Ischiolepta pusilla* (Fallén, 1820), male (Russia, 1.7 mm); 10 – *Ischiolepta crenata* (Meigen, 1838), female (Denmark, 3.5 mm); 11 – *Lotobia* sp., male (Tanzania, 3 mm); 12 – *Parasphaerocera* sp., female (Costa Rica, 3 mm); 13 – *Anatalanta crozetensis* Enderlein, 1908, male (Crozet Archipelago, 4 mm); 14 – *Anomioptera picta* Schiner, 1868, female (Venezuela, 3 mm); 15 – *Aptilotella* sp., female (Costa Rica, 1.1 mm); 16 – *Archileptocera lutea* Marshall, 1998, male (Ecuador, 2.5 mm). Photos by D. Gavryushin (Fig. 9), R. Ahlburg (Fig. 10), S. A. Marshall (Figs. 11, 12, 15) and D. K. B. Cheung (Figs. 13, 14, 16).



Figs. 17–24. Limosiniinae: 17 – *Ceroptera longicauda* Marshall, 1988, female (USA: Florida, 2.5 mm); 18 – *Chaetopodella scutellaris* (Haliday, 1836), female (Russia, 1.7 mm); 19 – *Coproica lugubris* (Haliday, 1836), female (Russia, 1.4 mm); 20 – *Eulimosina ochripes* (Meigen, 1830), male (Canada, 2 mm); 21 – *Giraffimyia giraffa* (Richards, 1938), female (Tanzania, 2.5 mm); 22 – *Gyretria biseta* (Duda, 1925), male (Chile, 2.3 mm); 23 – *Leptocera fontinalis* (Fallén, 1820), female (Russia, 3 mm); 24 – *Leptocera hexadike* Buck, 2009, male (Costa Rica, 2.5 mm). Photos by D. K. B. Cheung (Figs. 17, 22), D. Gavryushin (Figs. 18, 19, 23) and S. A. Marshall (Figs. 20, 21, 24).



Figs. 25–32. Limosiniinae: 25 – *Myrmolimosina andersoni* Marshall, 2000, male (Mexico, 2.4 mm); 26 – *Phthitia selkirki* (Enderlein, 1938), male (Chile: Juan Fernández Is., 2.3 mm); 27 – *Poecilosomella angulata* (Thomson, 1869), male (Cuba, 2.9 mm); 28 – *Pseudocollinella humida* (Haliday, 1836), female (Russia, 2.4 mm); 29 – *Pterogramma* sp., sex unknown (Costa Rica, 1.5 mm); 30 – *Rachispoda lutosa* (Stenhammar, 1855), female (Russia, 3 mm); 31 – *Robustagramma disjunctum* Marshall & Cui, 2005, male (Costa Rica, 1.8 mm); 32 – *Sclerocoelus caribensis* Marshall, 1997, male (Costa Rica, 2.1 mm). Photos by D. K. B. Cheung (Figs 25, 26, 31, 32), S. A. Marshall (Figs. 27, 29) and D. Gavryushin (Figs. 28, 30).

Family SPHAEROCERIDAE

Sphaeroceridae. – PAPP & SCHUMANN (2000): 193, 198 [in key to families – adults]; SMITH & FERRAR (2000): 232, 235 [in key to families – larvae]; ZIEGLER (2003): 841 [diagnosis]; OOSTERBROEK (2006): 55, 109, 161 [diagnosis, key, illustr.]; SCHEU (2006): 561 [in key to families of German Diptera, illustr.]; ZUMBADO (2006): 179–180 [diagnosis, outline of Central American fauna, illustr.]; BUCK et al. (2009): 131, 143, 154 [in key to families – adults, illustr., photographs]; BORKENT & ROTHERAY (2009): 187 [in key to families – larvae, illustr.]; WOODLEY et al. (2009): 89–91 [relationships within Sphaeroceroidea]; MARSHALL & BUCK (2010): 1165–1187 [key to Neotropical genera, discussion of Central American genera, illustr.].

Subfamily COPROMYZINAE

Genus *Achaetothorax* Hedicke, 1923

Achaetothorax malayensis Papp & Norrbom, 1992. **Distr.:** Oriental: Malaysia, Thailand.
Achaetothorax malayensis. – PAPP et al. (2006): 221 [new record from Thailand].

Achaetothorax vojnitsi Papp & Norrbom, 1992. **Distr.:** Afrotropical: Kenya, South Africa, Zaire.

Achaetothorax vojnitsi. – PAPP (2008d): 224 [new record from South Africa].

Genus *Alloborborus* Duda, 1923

Alloborborus pallifrons (Fallén, 1820). **Distr.:** Palaearctic: Austria, Belgium, Czech Republic, Estonia, Finland, France, Germany, Great Britain, Hungary, Italy, Latvia, Netherlands, Norway, Poland, Romania, Russia (NET, WS), Slovakia, Sweden, Switzerland.

Alloborborus pallifrons. – GATT (2006d): 66 [Italy, confirmed].

Genus *Borborillus* Duda, 1923

Borborillus uncinatus (Duda, 1923). **Distr.:** Palaearctic: Belgium, China (XIN), Czech Republic, Finland, France, Germany, Great Britain, Hungary, Ireland, Italy, Latvia, Mongolia, Montenegro, Netherlands, Norway, Romania, Russia (NET, SET, WS), Slovakia, Svalbard Is. (Norway), Spain, Sweden, Switzerland.

Borborillus uncinatus. – SPEIGHT & HEALY (1977): 155 [new record from Ireland]; NASH et al. (2001): 181 [records from Ireland]; MUNARI & ROHÁČEK (2002): 127 [new record from Italy]; CARLES-TOLRÁ & SALOÑA (2004): 46 [new record from Spain].

Borborillus vitripennis (Meigen, 1830). **Distr.:** Palaearctic: Austria, Belgium, Bulgaria, Czech Republic, Denmark, ?Egypt, Estonia, Finland, France (incl. Corsica), Germany, Great Britain, Hungary, Iran, Ireland, Italy, Japan, Latvia, Lithuania, Montenegro, Morocco, Netherlands, Norway, Poland, Romania, Russia (ES, ?FE, NET, SET, WS), Slovakia, Spain, Sweden, Switzerland.

Borborillus vitripennis. – GATT (2006a): 299 [new record from Morocco].

Genus *Copromyza* Fallén, 1810

Copromyza equina Fallén, 1820. **Distr.:** Afrotropical: ?Zaire; Australasian: Hawaii (USA); Nearctic: Canada (AB, BC, MB, NB, NF, NS, ON, QC, SK), USA (AK, AL, AZ, CA, CO, DC, FL, ID, IL, IN, LA, ME, MS, MT, NC, NH, NM, PA, SC, TN, TX,

VA, VT); Neotropical: Costa Rica, Guatemala, Mexico (DF, MOR); Oriental: China (SIC); Palaearctic: Algeria, Andorra, Austria, Azores (Portugal), Belgium, Bulgaria, Canary Is. (Spain), China (QIN, TIB, XIN), Czech Republic, Denmark, Estonia, Finland, France (incl. Corsica), Faeroe Is. (Denmark), Germany, Great Britain, Greece, Hungary, Iceland, Iran, Ireland, Israel, Italy (incl. Sardinia), Japan, Kirghizia, Latvia, Lithuania, Madeira (Portugal), Montenegro, Morocco, Netherlands, North Korea, Norway, Poland, Romania, Russia (CET, ES, FE, NET, SET, WS), Slovakia, Spain, Sweden, Switzerland, Tadjikistan, Tunisia, Ukraine.

Copromyza equina. – CARLES-TOLRÁ & PUJADE-VILLAR (2003): 175 [new record from Andorra]; GATT (2006a): 299 [new record from Morocco].

Copromyza nigrina (Gimmerthal, 1847). **Distr.:** Palaearctic: Andorra, Austria, Belgium, Bosnia and Herzegovina, Czech Republic, Denmark, Estonia, Faeroe Is. (Denmark), Finland, France, Germany, Great Britain, Hungary, Iceland, Ireland, Italy, Latvia, Netherlands, Norway, Poland, Romania, Russia (CET, ES, NET, WS), Slovakia, Spain, Sweden, Switzerland.

Copromyza nigrina. – CARLES-TOLRÁ & PUJADE-VILLAR (2003): 175 [new record from Andorra]; GATT (2010): 2 [new record from Italy].

Copromyza pseudostercoraria Papp, 1976. **Distr.:** Palaearctic: France, Greece, Hungary, Iran, Italy, Israel, Spain, Switzerland.

Copromyza pseudostercoraria. – GATT (2007): 299 [new record from Greece].

Copromyza stercoraria (Meigen, 1830). **Distr.:** Nearctic: Canada (AB, NT, YT), USA (AK, CA, CO, NH, NM, OR, SD, WA, WY); Palaearctic: Andorra, Austria, Belgium, Czech Republic, Denmark, Estonia, Finland, France, Germany, Great Britain, Hungary, Italy, Latvia, Lithuania, Mongolia, Netherlands, Norway, Poland, Portugal, Russia (CET, ES, NET), Serbia, Slovakia, Spain, Sweden, Switzerland.

Copromyza stercoraria. – CARLES-TOLRÁ (2001a): 97 [new record from Portugal]; CARLES-TOLRÁ & PUJADE-VILLAR (2003): 176 [new record from Andorra]; DUMČIUS & PAKALNIŠKIS (2006): 57 [new record from Lithuania].

Copromyza zhongensis Norrbom & Kim, 1985. **Distr.:** Oriental: China (SIC, ZHE), Vietnam; Palaearctic: Japan.

Copromyza zhongensis. – PAPP et al. (2006): 222 [new record from Vietnam].

Genus *Crumomyia* Macquart, 1835

Crumomyia fimetaria (Meigen, 1830). **Distr.:** Palaearctic: Austria, Belgium, Bulgaria, Czech Republic, Denmark, Estonia, Finland, France, Germany, Great Britain, Hungary, Iceland, Ireland [record missing from previous catalog], Israel, Italy, Latvia, Lithuania, Netherlands, Norway, Poland, Romania, Russia (CET, NET, WS), Slovakia, Spain, Sweden, Switzerland, Ukraine, former Yugoslavia.

Crumomyia fimetaria. – CARLES-TOLRÁ & BÁEZ (2002): 190 [deleted record from Balearic Is.].

Crumomyia glabrifrons (Meigen, 1830). **Distr.:** Palaearctic: Andorra, Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Finland, France, Germany, Greece, Hungary, Israel, Italy, Latvia, Netherlands, Norway, Poland, Romania, Russia (CET, SET), Slovakia, Spain, Sweden, Switzerland, Tadjikistan, Turkey, Ukraine, former Yugoslavia.

Crumomyia glabrifrons. – CARLES-TOLRÁ & PUJADE-VILLAR (2003): 176 [new record from Andorra]; GATT (2007): 299 [new record from Greece].

Crumomyia glabrifrons. – KARPA (2008): 27 [misspelling, record from Latvia].

Crumomyia glacialis* ssp. *glacialis (Meigen, 1830). **Distr.:** Palaearctic: France, Italy, Slovakia, Switzerland, Ukraine.

Crumomyia glacialis. – ROHÁČEK & KOŠEL (2003): 194 [new female, new record from Slovakia]; KARPA (2008): 27 [misrecorded from Latvia].

Crumomyia kanmiiyai Hayashi, 2009. **Distr.:** Taiwan.

Crumomyia kanmiiyai Hayashi, 2009b: 277 [male, illustr.]. Type locality: Taiwan, Chia-I Hsien, Tatchia-anpu [2,650 m]. HT male (NIID).

Crumomyia nigra (Meigen, 1830). **Distr.:** Nearctic: Greenland; Palaearctic: Afghanistan, Andorra, Austria, Belgium, Bulgaria, Czech Republic, Denmark, Finland, France, Faeroe Is. (Denmark), Germany, Great Britain, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Montenegro, Netherlands, Norway, Poland, Romania, Russia (CET, NET, SET), Serbia, Slovakia, Spain, Sweden, Switzerland, Tadjikistan, Turkmenistan, Ukraine.

Crumomyia nigra. – CARLES-TOLRÁ & PUJADE-VILLAR (2003): 176 [new record from Andorra]; GATT (2007): 300 [new record from Greece].

Crumomyia nitida (Meigen, 1830). **Distr.:** Palaearctic: Albania, Austria, Belgium, Bulgaria, Czech Republic, Denmark, Estonia, Finland, France (incl. Corsica), Faeroe Is. (Denmark), Great Britain, Hungary, Iceland, Ireland, Italy (incl. Sicily), Latvia, Lithuania, Netherlands, Norway, Poland, Portugal, Romania, Russia (CET, NET, SET), Serbia, Slovakia, Spain, Sweden, Switzerland.

Crumomyia nitida. – GATT (2006c): 66 [new record from Sicily].

Crumomyia notabilis (Collin, 1902). **Distr.:** Palaearctic: ?Belgium, Czech Republic, Denmark, Finland, France, Germany, Great Britain, Hungary, Italy, Latvia, Netherlands, Norway, Poland, Portugal, Romania, Russia (NET, WS), Slovakia, Sweden, Switzerland, Ukraine.

Copromyza notabilis. – CARLES-TOLRÁ (2001a): 97 [new record from Portugal]; KARPA (2008): 27 [record from Latvia]; ZATWARNICKY (2007): 213 [new record from Poland].

Crumomyia peishulensis Kuznetzova, 1989. **Distr.:** Russia (FE), Japan.

Crumomyia peishulensis. – HAYASHI (2009b): 281 [male, redescription, illustr., new record from Japan (Hokkaido)].

Crumomyia pedestris (Meigen, 1830). **Distr.:** Oriental: China (FUJ, SIC); Palaearctic: Austria, Belgium, China (XIN), Czech Republic, Denmark, France, Germany, Great Britain, Hungary, Ireland, Italy, Latvia, Netherlands, Norway, Poland, Romania, Russia (CET, ES, NET, WS), Slovakia, Sweden, Switzerland, Ukraine.

Crumomyia pedestris. – BLACKITH et al. (1991): 226; NASH et al. (2001): 186 [records from Ireland]; ZAIKA et al. (2010): 508 [new record from Ukraine].

Copromyza pedestris. – PANTELEeva (2005): 492 [record from Russia: CET].

Crumomyia rohaceki Norrbom & Kim, 1985. **Distr.:** Palaearctic: Austria, Czech Republic, Germany, France, Hungary, Israel, Italy, Moldavia, Poland, ?Romania, ?Serbia, Slovakia [record missing from previous catalog], Spain, Switzerland, Ukraine.

Crumomyia roserii (Rondani, 1880). **Distr.:** Palaearctic: Andorra, Belgium, Bulgaria, Cyprus, Denmark, France, Germany, Greece, Great Britain, Hungary, Ireland, Israel, Italy, Latvia, Netherlands, Norway, Poland, Portugal, Romania, Russia (NET), ?Serbia, Spain, Sweden, Switzerland.

Crumomyia roserii. – NASH (1989): 152 [new record from Ireland]; CARLES-TOLRÁ (2001a): 97 [new record from Portugal]; CARLES-TOLRÁ & PUJADE-VILLAR (2003): 176 [new record from Andorra]; ROHÁČEK (2004b): 251 [new record from Cyprus]; ZATWARNICKY (2007): 213 [record from Poland].

Crumomyia setitibialis (Spuler, 1925). **Distr.:** Nearctic: Canada (AB, BC, NB, NS, NT, ON, QC, YT), USA (AK, NH); Palaearctic: Czech Republic, Finland, France, Italy, Mongolia, Norway, Russia (WS), Sweden, Slovakia, Switzerland.

Crumomyia setitibialis. – ROHÁČEK (2006a): 156 [new record from Czech Republic].

Crumomyia topali Papp, 2003. **Distr.:** Oriental: India.

Crumomyia topali Papp, 2003: 72 [both sexes, illustr.]. Type locality: India, Daitari, Jajpur-Keonjhar. HT male (HNHM).

Genus *Immoderatus* Papp, 2004

Immoderatus Papp, 2004b: 45 (masculine). Type species: *Immoderatus foldvarii* Papp, 2004, original designation. – PAPP (2004b): 45–53 [diagnosis & description, illustr.].

Immoderatus foldvarii Papp, 2004. **Distr.:** Oriental: Thailand.

Immoderatus foldvarii Papp, 2004b: 48 [both sexes, illustr.]. Type locality: Thailand, Mae Ta Man elephant Park, 45 km N of Chiang Mai. HT male (HNHM).

Genus *Lotophila* Lioy, 1864

Lotophila Lioy, 1864. – HAYASHI (2003): 367–370 [diagnosis, taxonomy, key, illustr.].

Lotophila atra (Meigen, 1830). **Distr.:** Nearctic: Canada (AB, BC, NB, NF, NS, ON, QC), USA (AR, CA, CO, DC, FL, GA, IA, ID, IL, IN, KS, KY, MD, ME, MI, MN, MO, MT, NC, NE, NH, NJ, NM, NY, OH, OK, OR, PA, SC, SD, TN, VA, VT, WA, WI, WY); Oriental: China (SIC), Pakistan; Palaearctic: Afghanistan, Algeria, Austria, Azores (Portugal), Belgium, Bulgaria, Canary Is. (Spain), China (HEB, TIB), Croatia, Czech Republic, Denmark, Estonia, Finland, France (incl. Corsica), Faeroe Is. (Denmark), Georgia, Germany, Great Britain, Greece (incl. Crete), Hungary, Kazakhstan, Ireland, Israel, Italy (incl. Sardinia), Japan, Latvia, Lebanon, Lithuania, Macedonia, Madeira (Portugal), Malta, Mongolia, Montenegro, Morocco, Netherlands, North Korea, Norway, Poland, Portugal, Romania, Russia (CET, ES, FE, NET, WS), Serbia, Slovakia, Spain (incl. Balearic Is.), Sweden, Switzerland, Tadjikistan, Tunisia, Ukraine, Uzbekistan.

Lotophila atra. – GATT (2007): 300 [new record from Lebanon]; CARLES-TOLRÁ (2001a): 97 [new record from Portugal].

Lotophila nepalensis Hayashi, 1991. **Distr.:** Oriental: Nepal, Thailand.

Lotophila nepalensis. – HAYASHI (2003): 368 [taxonomic notes, key, new record from Thailand].

Lotophila vietnamica Hayashi, 2003. **Distr.:** Oriental: Vietnam.

Lotophila vietnamica Hayashi, 2003: 368 [both sexes, key, illustr.]. Type locality: Vietnam, Vinh Phu Prov., Tam Dao [930–1,230 m]. HT male (NIID).

Genus *Metaborborus* Vanschuytbroeck, 1948

Metaborborus flavior ssp. flavior (Vanschuytbroeck, 1948). **Distr.:** Afrotropical: Tanzania, Zaire.

Note. PAPP (2003: 79) ascribed Oriental specimens to a new subspecies (see below), so only Afrotropical records deal with the nominal subspecies.

Metaborborus flavior ssp. orientalis Papp, 2003. **Distr.:** Oriental: Bangladesh, Malaysia, Nepal, Thailand.

Metaborborus flavior ssp. *orientalis* Papp, 2003: 79 [both sexes, illustr.]. Type locality: Nepal, Royal Chitwan National Park, Bandarjholā Island, 84°10'E, 27°35'N, 150 m. HT male (HNHM). – PAPP et al. (2006): 222 [new record from Thailand].

Metaborborus saliens (Duda, 1923). **Distr.:** Oriental: Malaysia, Thailand, Timor.

Metaborborus saliens. – PAPP et al. (2006): 222 [new record from Thailand].

Genus *Norrbomia* Papp, 1988

Norrbomia gravis (Adams, 1905). **Distr.:** Afrotropical: Ethiopia, Kenya, South Africa, Zaire, Zimbabwe.

Norrbomia gravis. – PAPP (2008d): 224 [new record from South Africa].

Norrbomia hispanica (Duda, 1923). **Distr.:** Palaearctic: Bulgaria, Czech Republic, Finland, France, Great Britain, Hungary, Italy, Israel, Kazakhstan, Morocco, Romania, Russia (SET), Slovakia, Spain (incl. Balearic Is.), Tadjikistan.

Norrbomia hispanica. – GATT (2007): 300 [new record from Morocco]; ROHÁČEK (2009): 261 [new record from Slovakia].

Norrbomia marginatis (Adams, 1905). **Distr.:** Afrotropical: Angola, Cape Verde Is., Ethiopia, Kenya, Madagascar, Namibia, Nigeria, South Africa, Togo, Uganda, Zaire, Zimbabwe; Australasian / Oceanian: Australia (ACT, NSW, NT, QLD, WA), Belau, Fiji, Palau, Samoa, Vanuatu; Oriental: China (YUN), India, Japan (Okinawa), Malaysia (Sabah), Nepal, Pakistan, Philippines, Sri Lanka, Taiwan, Thailand; Palaearctic: Canary Is. (Spain), China (HEB), Egypt, Greece, Israel, Japan, Lebanon, Madeira (Portugal), Malta, Morocco, Tunisia, Turkey.

Norrbomia marginatis. – GATT (2007): 300 [new records from Lebanon, Morocco, Tunisia, Turkey]; ROHÁČEK (2007a): 102 [new record from Madeira (Portugal)].

Norrbomia nilotica (Becker, 1903) **Distr.:** Palaearctic: Austria, Belgium, Bulgaria, Czech Republic, Egypt, France (incl. Corsica), Germany, Great Britain, Hungary, Israel, Latvia, Morocco, Netherlands, Poland, Russia (NET), Spain (incl. Balearic Is.), Tunisia.

Norrbomia nilotica. – ROHÁČEK & BEUK (2002): 294 [record from Netherlands].

Norrbomia nepalensis Papp, 2003. **Distr.:** Oriental: Nepal.

Norrbomia nepalensis Papp, 2003: 82 [male, illustr.]. Type locality: Nepal, Royal Chitwan National Park, Bandarjholā Island, 84°10'E, 27°35'N, 150 m. HT male (HNHM).

Norrbomia niveipennis (Duda, 1923). **Distr.:** Palaearctic: Afghanistan, Egypt, Greece, Iran, Israel, Italy, Libya, Morocco, Spain, Tadjikistan, Tunisia, Turkey, Turkmenistan, United Arab Emirates.

Norrbomia niveipennis. – GATT (2008): 696 [new record from United Arab Emirates].

Norrbomia somogyii (Papp, 1973). **Distr.:** Oriental: India (Kashmir), Nepal; Palaearctic: Azores (Portugal), China (XIN), Greece, Hungary, Iran, Japan, Kirghizia, Mongolia, Morocco, Slovakia, Spain, Tadjikistan, Ukraine, Uzbekistan.

Norrbomia somogyii. – ROHÁČEK (2009a): 262 [new record from Slovakia].

Norrbomia sordida (Zetterstedt, 1847). **Distr.:** Australasian / Oceanian: Hawaii (USA); Nearctic: Canada (AB, BC, MB, NB, NF, NS, ON, QC, SK), USA (AK, AL, AZ, CA, CO, DC, FL, GA, IA, ID, IL, IN, KS, MA, MD, MI, MN, MO, MT, NC, NH, NJ, NM, NY, OH, OR, PA, TX, UT, VA, WA, WI, WY). Neotropical: Bermuda, Guatemala, Mexico

(BCN, GUE, VRC); Oriental: India (Punjab); Palaearctic: Austria, Azores (Portugal), Belgium, Canary Is. (Spain), China (XIN), Czech Republic, Denmark, Finland, France, Germany, Great Britain, Greece, Hungary, Ireland, Israel, Italy, Japan, Kazakhstan, Latvia, Mongolia, Netherlands, Norway, Poland, Romania, Russia (CET, FE, NET), Slovakia, Spain (incl. Balearic Is.), Sweden, Switzerland, Tadjikistan, Turkey.

Norrbomia sordida. – ROHÁČEK & BEUK (2002): 294 [record from Netherlands]; LANGTON (2005): 5 [new record from Ireland].

Subfamily SPHAEROCERINAE

Genus *Ischiolepta* Lioy, 1864

Ischiolepta Lioy, 1864. – BUCK & MARSHALL (2002): 253 [review of the New World species, diagnosis, morphology, taxonomy, key, illustr.]; DONG et al. (2007): 129 [key to Chinese species].

Ischiolepta baloghi Papp, 2003. **Distr.:** Oriental: India.

Ischiolepta baloghi Papp, 2003: 72 [male, illustr.]. Type locality: India, Goonti, Darjeeling. HT male (HNHM).

Ischiolepta biuncialis Dong, Yang & Hayashi, 2007. **Distr.:** Oriental: China (NIN).

Ischiolepta biuncialis Dong, Yang & Hayashi, 2007b: 130 [male, key, phylogenetic notes, illustr.]. Type locality: China, Ningxia, Liupanshan. HT male (BAUC).

Ischiolepta crenata (Meigen, 1838). **Distr.:** Palaearctic: Czech Republic, Finland, France, Germany, Great Britain, Italy, Norway, Poland, Slovakia, Sweden.

Ischiolepta crenata. – WITHERS (2007): 147 [new record from France].

Ischiolepta cyrtopyge Buck & Marshall, 2002. **Distr.:** Palaearctic: Japan.

Ischiolepta cyrtopyge Buck & Marshall, 2002: 253 [both sexes, key, phylogenetic notes, illustr.]. Type locality: Japan, Shikoku, Ishizuchi Mt. National Park, Tsuchigoya [1,400 m]. HT male (DEBU).

Ischiolepta denticulata (Meigen, 1830). **Distr.:** Palaearctic: Andorra, Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Great Britain, Hungary, ?Italy, Norway, Poland, Russia (ES, FE, WS), Sweden, Switzerland.

Ischiolepta denticulata. – PETERSEN & ROHÁČEK (2001): 219 [new record from Denmark]; CARLES-TOLRÁ & PUJADE-VILLAR (2003): 176 [new record from Andorra].

Ischiolepta hyalophora Buck & Marshall, 2002. **Distr.:** Neotropical: Costa Rica.

Ischiolepta hyalophora Buck & Marshall, 2002: 264 [both sexes, key, phylogenetic notes, illustr.]. Type locality: Costa Rica, Puntarenas, Monteverde Biological Station [1,500 m]. HT male (originally stated as DEBU, repatriated to INBC).

Ischiolepta ischnocnemis Buck & Marshall, 2002. **Distr.:** Nearctic: Canada (AB, BC, MB, NS, ON, QC, SK, YK), USA (AK, AZ, CO, IA, MI, MN, ND, NM, UT, WV, WY).

Ischiolepta ischnocnemis Buck & Marshall, 2002: 268 [both sexes, key, phylogenetic notes, illustr.]. Type locality: Canada, Alberta, Hailstone Butte. HT male (DEBU).

Ischiolepta nitida (Duda, 1920). **Distr.:** Oriental: China (SIC); Palaearctic: Afghanistan, Austria, Belgium, Bulgaria, China (TIB), Croatia, Czech Republic, Denmark, Finland, France, Germany, Great Britain, Hungary, Ireland, Latvia, Netherlands, Norway, Poland, Russia (CET, NET, WS), Slovakia, Sweden, Switzerland, Ukraine.

Ischiolepta nitida. – ZATWARNICKY (2007): 214 [record from Poland].

Sphaerocera nitida. – PANTELEEVA (2005): 493 [record from Russia: CET].

- Ischiolepta orientalis*** (de Meijere, 1908). **Distr.:** Oriental: China (HEB), India, Indonesia (Java), Japan (Okinawa), Pakistan, Sri Lanka, Thailand, Vietnam; Palaearctic: Japan.
Ischiolepta orientalis. – HAYASHI (2005c): 11 [new record from Japan: Okinawa]; PAPP et al. (2006): 221 [new record from Thailand].
- Ischiolepta pansa*** Han & Kim, 1990. **Distr.:** Afrotropical: South Africa, Zaire.
Ischiolepta pansa. – PAPP (2008d): 224 [new record from South Africa].
- Ischiolepta peregovitsi*** Papp, 2003. **Distr.:** Oriental: Nepal.
Ischiolepta peregovitsi Papp, 2003: 74 [both sexes, illustr.]. Type locality: Nepal, Royal Chitwan National Park, Bandarjholā Island, 84°10'E, 27°35'N, 150 m. HT male (HNHM).
- Ischiolepta polyankistrion*** Buck & Marshall, 2002. **Distr.:** Oriental: Nepal.
Ischiolepta polyankistrion Buck & Marshall, 2002: 276 [male, key, phylogenetic notes, illustr.]. Type locality: Nepal, Katmandu region, "Pulchauki" [probably Pulchoki Mt. (= Phulchauki Dāndā), 27°35'N 85°24'E [6,800 ft]. HT male (CNCI).
- Ischiolepta pusilla*** (Fallén, 1820). **Distr.:** Australasian / Oceanian: Australia (territory not given), New Zealand; Nearctic: Canada (BC, NB, NF, NS, NT, ON, QC, YT), USA (AZ, DC, ID, IL, MA, MI, OR, VA, WA, WY); Neotropical: Argentina, Costa Rica, Chile; Palaearctic: Andorra, Austria, Belgium, Bulgaria, Canary Is. (Spain), Czech Republic, Denmark, Egypt, Faeroe Is. (Denmark), Finland, France, Germany, Great Britain, Hungary, Iceland, Iran, Ireland, Italy (incl. Sicily), Japan, Latvia, Madeira (Portugal), Malta, Montenegro, Netherlands, Norway, Poland, Portugal, Romania, Russia (CET, NET, SET, WS), Serbia, Slovakia, Spain, Sweden, Switzerland, Tunisia.
Ischiolepta pusilla. – NASH et al. (2001): 205 [records from Ireland]; BUCK & MARSHALL (2002): 278 [key, taxonomy, new records from Costa Rica, Chile]; CARLES-TOLRÁ (2001d): 83 [new record from Portugal]; CARLES-TOLRÁ & PUJADE-VILLAR (2003): 176 [new record from Andorra].
- Ischiolepta scabifer*** Buck & Marshall, 2002. **Distr.:** Nearctic: Canada (MB, ON), USA (MI, MN, ND).
Ischiolepta scabifer Buck & Marshall, 2002: 259 [both sexes, key, illustr.]. Type locality: Canada, Manitoba, Brandon. HT male (CNCI).
- Ischiolepta scabricula*** (Haliday, 1836). **Distr.:** Afrotropical: Ghana, South Africa, Tanzania; Nearctic: Canada (ON); Neotropical: Brazil; Oriental: India (Orissa); Palaearctic: Afghanistan, Austria, Belgium, Bulgaria, Czech Republic, Finland, France, Germany, Great Britain, Hungary, Ireland, Israel [record missing from previous catalog], Italy, Japan, Romania, Slovakia, Spain, Sweden, Switzerland, United Arab Emirates.
Ischiolepta scabricula. – BUCK & MARSHALL (2002): 279 [female abdominal structures, key, taxonomy, new records from Canada, Brazil]; GATT (2008): 697 [photograph, new record from United Arab Emirates].
- Ischiolepta vaporariorum*** (Haliday, 1836). **Distr.:** Nearctic: Canada (AB, ON, QC), USA (CA, IL, IN, MN, MT, NM, NY, OK, TN, WA). Palaearctic: Afghanistan, Austria, Belgium, Czech Republic, Finland, France, Germany, Great Britain, Hungary, Iran, Ireland, Israel [record missing from previous catalog], Kazakhstan, Latvia, Lebanon, Lithuania, Morocco, Netherlands, Norway, Poland, Romania, Russia (CET, NET, SET, ?WS), Slovakia, Spain (incl. Balearic Is.), Sweden, Switzerland, ?Tadjikistan, Tunisia, United Arab Emirates.
Ischiolepta vaporariorum. – GATT (2007): 306 [new records from Lebanon, Morocco, confirmed record in Tunisia]; WITHERS (2007): 147 [new record from France]; GATT (2008): 697 [new record from United Arab Emirates]; PAKALNIŠKIS et al. (2006): 112 [record from Lithuania].

Genus *Lotobia* Lioy, 1864

Lotobia Lioy, 1864. – HAYASHI & PAPP (2004): 211–225 [diagnosis, taxonomy, key to Oriental species, illustr.].

Lotobia africana (Becker, 1907). **Distr.:** Afrotropical: Rwanda, ?South Africa, Zaire; Oriental: Pakistan; Palaearctic: France (Corsica), Hungary, Israel, Morocco, Slovenia, Tunisia.

Lotobia africana. – HAYASHI & PAPP (2004): 212 [key, new record from Pakistan].

Lotobia arcuata (Séguy, 1933). **Distr.:** Afrotropical: Mozambique, South Africa.

Lotobia arcuata. – PAPP (2008d): 224 [new record from South Africa].

Lotobia asiatica Hayashi & Papp, 2004. **Distr.:** Oriental: India, Japan (Okinawa), Nepal, Pakistan, Philippines, Sri Lanka, Taiwan, Thailand, Vietnam.

Lotobia asiatica Hayashi & Papp, 2004: 212 [both sexes, key, illustr.]. Type locality: Japan, Okinawa Pref., Ishigaki I., Shiraho. HT male (NIID). – PAPP et al. (2006): 221 [new record from Thailand].

Lotobia latipes Hayashi & Papp, 2004. **Distr.:** Oriental: India, Thailand.

Lotobia latipes Hayashi & Papp, 2004: 216 [both sexes, key, illustr.]. Type locality: India, Nagarahole National Park, Karnataka Sta. [720 m]. HT male (NIID).

Lotobia nigra Han & Kim, 1990. **Distr.:** Afrotropical: South Africa, Zaire.

Lotobia nigra. – PAPP (2008d): 224 [new record from South Africa].

Lotobia pallidiventris (Meigen, 1830). **Distr.:** Afrotropical: Ethiopia, ?Rwanda, South Africa, Zaire; Oriental: India (Assam), Nepal, Pakistan; Palaearctic: Afghanistan, Belgium, Bulgaria, Czech Republic, Denmark, Finland, France (incl. Corsica), Germany, Great Britain, Hungary, Italy (incl. Sardinia, Sicily), Israel, Japan, Kazakhstan, Kirghizia, Latvia, Lebanon, Mongolia, Montenegro, Morocco, Romania, Russia (CET, NET, WS), Slovakia, Slovenia, Spain (incl. Balearic Is.), Switzerland, Tadjikistan, Tunisia, Uzbekistan.

Sphaerocera pallidiventris. – PANTELEEVA (2005): 493 [record from Russia: CET].

Lotobia pallidiventris. – GATT (2007): 306 [new records from Lebanon, Morocco]; GATT (2006c): 70 [new record from Sicily].

Lotobia supraelegans Hayashi & Papp, 2004. **Distr.:** Oriental: India, Nepal, Thailand, Vietnam.

Lotobia supraelegans Hayashi & Papp, 2004: 220 [both sexes, key, illustr.]. Type locality: Thailand, Mae Ta Man elephant park, 45 km N of Chiang Mai. HT male (HNHM).

Genus *Sphaerocera* Latreille, 1804

Sphaerocera Latreille, 1804. – DONG et al. (2009): 175–184 [review of the species from China, key, illustr.].

Sphaerocera curvipes Latreille, 1805. **Distr.:** Afrotropical: Ethiopia; Australasian / Oceanian: Australia (ACT, NSW), New Zealand; Nearctic: Canada (AB, BC, MB, NB, NF, NS, ON, QC, SK), USA (AK, AR, AZ, CA, CO, CT, DC, IA, ID, IL, IN, KS, LA, MA, MD, MI, MN, MO, MT, NE, NH, NJ, NY, NC, OH, OR, PA, SD, VA, VT, WA, WI, WY); Neotropical: ?“South America” (cf. KIM 1968); Oriental: India (Kashmir), Nepal, Pakistan; Palaearctic: Afghanistan, Algeria, Andorra, Austria, Azores (Portugal), Belgium, Bulgaria, China (BEI, TIB, XIN), Cyprus, Czech Republic, Denmark, Egypt, Estonia, Faeroe Is. (Denmark), Finland, France (incl. Corsica), Germany, Great Britain, Greece (incl. Crete), Hungary, Iceland, Iran, Ireland, Israel, Italy (incl.

Sardinia, Sicily), Japan, Latvia, Lithuania, Macedonia, Madeira (Portugal), Malta, Mongolia, Montenegro, Morocco, Netherlands, Nepal, Norway, Poland, Romania, Russia (CET, ES, FE, NET, SET, WS), Serbia, Slovakia, Spain (incl. Balearic Is.), Sweden, Switzerland, Tadjikistan, Tunisia, Turkey, Ukraine.

Sphaerocera curvipes. – PAPP (2003): 71 [new record from Nepal]; CARLES-TOLRÁ & PUJADE-VILLAR (2003): 176 [new record from Andorra]; ROHÁČEK (2004b): 251 [new record from Cyprus]; GATT (2007): 306 [new record from Turkey]; DONG et al. (2009): 178 [key, redescription, new record from China, illustr.].

Sphaerocera pseudomonilis* ssp. *asiatica Papp, 1988. **Distr.:** Oriental: India, Nepal, Pakistan.

Sphaerocera pseudomonilis ssp. *asiatica*. – PAPP (2003): 71 [new record from Nepal].

Sphaerocera pseudomonilis* ssp. *hallux Roháček & Florén, 1987. **Distr.:** Nearctic: USA (ID); Palaearctic: China (BEI), Czech Republic, Sweden. Oriental: China (GUI).

Sphaerocera pseudomonilis ssp. *hallux*. – DONG et al. (2009): 180 [key, redescription, new records from China, illustr.]; ROHÁČEK & MÁČA (2010): 168 [new record from Czech Republic].

Subfamily HOMALOMITRINAE

Genus *Podiomitra* Marshall & Roháček, 2003

Podiomitra Marshall & Roháček, 2003: 708 (feminine). Type species: *Podiomitra ostracotarsata* Marshall & Roháček, 2003, original designation. – MARSHALL & ROHÁČEK (2003): 708–714 [diagnosis & description, phylogenetic notes, illustr.].

Podiomitra ostracotarsata Marshall & Roháček, 2003. **Distr.:** Neotropical: Costa Rica.

Podiomitra ostracotarsata Marshall & Roháček, 2003: 709 [female, phylogenetic notes, illustr.]. Type locality: Costa Rica, Prov. Cartago, La Represa, hydro-electric tower between Porras and Villegas [1,800 m]. HT female (INBC).

Subfamily LIMOSININAE

Note. The taxonomy of the huge subfamily Limosiniinae is fairly stable for the Holarctic region, but many genera and most species from elsewhere remain to be described. The Neotropical and Pacific genera are under revision by S. A. Marshall and collaborators (many Neotropical genera are keyed, but not yet named, in MARSHALL & BUCK (2010)), and PAPP (2004, 2008b) recently named 27 new, mostly monotypic, genera from the Oriental, Pacific and Afrotropical Regions. The latter genera are listed below without consideration of their relationships or validity. PAPP (2008b) also elevated two former subgenera of *Spelobia* Spuler, 1924 to generic status, and named new subgenera of *Chaetopodella* Duda, 1920, *Minilimosina* Roháček, 1983 and *Phthitia* Enderlein, 1938. These too are uncritically recorded here, even though we expect that many of the smaller new genera will be subsumed into broader generic concepts as more specimens are examined and their phylogenetic relationships considered.

Genus *Acuminiseta* Duda, 1925

Acuminiseta Duda, 1925. – PAPP (2008b): 145 [redescription, key, illustr.].

Acuminiseta pallidicornis (Villeneuve, 1916). **Distr.:** Afrotropical: Cameroon, Congo, Zaire.

Acuminiseta pallidicornis. – PAPP (2008b): 146, 180 [diagnosis, male illustr.].

Acuminiseta ceropteroides Papp, 2008. **Distr.:** Afrotropical: Congo.

Acuminiseta ceropteroides Papp, 2008b: 146 [both sexes, illustr.]. Type locality: Congo, Brazzaville, Orstom park. HT male (HNHM). **Note.** This species is a likely synonym of *A. pallidicornis*.

Genus *Afropterogramma* Papp, 2008

Afropterogramma Papp, 2008b: 83 (neuter, erroneously given as feminine in the original description). Type species: *Afropterogramma minor* Papp, 2008, original designation. – PAPP (2008b): 83–84 [diagnosis, key, illustr.].

***Afropterogramma minor* Papp, 2008. Distr.:** Afrotropical: Tanzania.

Afropterogramma minor Papp, 2008b: 84 [male, illustr.]. Type locality: Tanzania, Kwamsambia, Tanga region. HT male (HNHM).

Genus *Aluligera* Richards, 1951

Aluligera Richards, 1951. – KOÇAK & KEMAL (2009): 7 [list.].

Uluguria Richards, 1965. – KOÇAK & KEMAL (2009): 8 [junior homonym of *Uluguria* Hoffman, 1964 (Diplopoda)].

Genus *Apteromyia* Vimmer, 1929

***Apteromyia claviventris* (Strobl, 1909). Distr.:** Nearctic: Canada (NB, NS, ON), USA (NY); Palaearctic: Austria, Belgium, Czech Republic, Denmark, Estonia, Finland, France, Germany, Great Britain, Hungary, Iceland, Ireland, Italy (incl. Sicily), Latvia, Netherlands, Norway, Poland, Russia (CET, NET, WS), Slovakia, Spain, Sweden, Switzerland.

Apteromyia claviventris. – NASH et al. (2001): 188 [new record from Ireland]; CARLES-TOLRÁ (2009b): 158 [new record from Spain].

Genus *Aptilotus* Mik, 1898

***Aptilotus longinervis* Hayashi, 1989. Distr.:** Oriental: Japan (Okinawa); Palaearctic: Japan.

Aptilotus longinervis. – HAYASHI (2005c): 7 [new record from Japan: Okinawa].

Genus *Archipterogrammoides* Papp, 2008

Archipterogrammoides Papp, 2008b: 84 (feminine). Type species: *Archipterogrammoides metatarsalis* Papp, 2008, original designation. – PAPP (2008b): 84–89 [diagnosis, key, illustr.].

***Archipterogrammoides metatarsalis* Papp, 2008. Distr.:** Oriental: Thailand.

Archipterogrammoides metatarsalis Papp, 2008b: 87 [both sexes, illustr.]. Type locality: Thailand, Khao Pu-Khao Ya N. P. HT male (HNHM).

Genus *Aspinilimosina* Papp, 2004

Aspinilimosina Papp, 2004a: 104 (feminine). Type species: *Aspinilimosina postocellaris* Papp, 2004, original designation. – PAPP (2004a): 104 [diagnosis, illustr.].

***Aspinilimosina postocellaris* Papp, 2004. Distr.:** Oriental: Sri Lanka.

Aspinilimosina postocellaris Papp, 2004a: 106 [male only, illustr.]. Type locality: Ceylon, Sabaragamuwa, Prov. Kitulda. HT male (NHRS).

Genus *Australimosina* Papp, 2008

Australimosina Papp, 2008b: 134 (feminine). Type species: *Acuminiseta flaviterga* Richards, 1973, original designation. – PAPP (2008b): 134–137 [diagnosis, key, illustr.].

***Australimosina flaviterga* (Richards, 1973). Distr.:** Australasian / Oceanian: Australia (ACT, NSW).

Acuminiseta flaviterga. – ROHÁČEK et al. (2001): 111 [world catalog, noted as generic affiliation uncertain].

Australimosina flaviterga. – PAPP (2008b): 135 [generic combination, illustration]. **Note.** ROHÁČEK et al. (2001) note that *Acuminiseta* “is certainly not monophyletic as currently assembled and urgently needs taxonomic revision”; the two Australian species were in particular noted as out of place in *Acuminiseta*. The redescription of one of those species as another new monotypic genus by PAPP (2008a), was done without mention of the other species, without justification, and without any indication of relationship to other taxa. *Acuminiseta* remains in need of revision.

Genus *Biconnecta* Papp, 2008

Biconnecta Papp, 2008b: 137 (feminine). Type species: *Biconnecta mirabilis* Papp, 2008, original designation. – PAPP (2008b): 137 [diagnosis, key, illustr.].

***Biconnecta mirabilis* Papp, 2008. Distr.:** Oriental: India.

Biconnecta mirabilis Papp, 2008b: 138 [unique male, illustr.]. Type locality: India, Daitari, Jajpur-Keonjhar distr., Orissa [State]. HT male (HNHM).

Genus *Bifronsina* Roháček, 1983

Bifronsina Roháček, 1983. – PAPP (2008b): 122 (elevated to genus, former subgenus of *Spelobia* Spuler, 1925, key, illustr.).

***Bifronsina bifrons* (Stenhammar, 1855). Distr.:** Afrotropical: Madagascar, Seychelles, South Africa, Zaire; Australasian / Oceanian: Australia (ACT, VIC), Bonin Is. (Japan), French Polynesia (Tahiti), Guam (USA), Hawaii (USA), Kiribati (Tarawa Atoll), Marshall Is., Micronesia (Ponape, Yap Is.), North Mariana Is., New Zealand, Niue, Palau (USA); Nearctic: Canada (AB, BC, MB, NB, NS, ON, QC, SK), USA (AZ, CA, CO, DC, FL, IA, IL, IN, KY, MA, MI, NC, OH, OK, OR, SC, TX, WY); Neotropical: Argentina, Barbados, Bermuda, Brazil, Costa Rica, Dominica, Dominican Republic, Ecuador, Galápagos Is. (Ecuador), Jamaica, Mexico (HID), St. Kitts, St. Vincent; Oriental: China (HAI), India (Rajasthan, Uttar Pradesh), Japan (Okinawa), Philippines, Taiwan; Palaearctic: Afghanistan, Andorra, Austria, Azores (Portugal), Belgium, Bulgaria, Canary Is. (Spain), Cyprus, Czech Republic, Denmark, Egypt, Estonia, Finland, France, Germany, Great Britain, Greece, Hungary, Ireland, Italy (incl. Sardinia, Sicily), Japan, Latvia, Madeira (Portugal), Malta, Montenegro, Morocco, Netherlands, Norway, Poland, Romania, Russia (CET, FE, NET, WS), Slovakia, Slovenia, Spain (incl. Balearic Is.), Sweden, Switzerland, Tadjikistan, United Arab Emirates.

Spelobia (*Bifronsina*) *bifrons*. – ROHÁČEK (2004b): 257 [new record from Cyprus]; GATT (2007): 304 [new record from Greece]; GATT (2008): 701 [new record from United Arab Emirates].

Bifronsina bifrons. – PAPP (2008b): 129 [generic combination].

***Bifronsina elegantula* Papp, 2008. Distr.:** Oriental: Thailand.

Bifronsina elegantula Papp, 2008b: 123 [both sexes, illustr.]. Type locality: Thailand, Mae Ta Man elephant park, 45 km N from Chiang Mai. HT male (HNHM).

***Bifronsina latitarsis* Papp, 2008. Distr.:** Afrotropical: Tanzania, Kenya, Nigeria.

Bifronsina latitarsis Papp, 2008b: 125 [both sexes, illustr.]. Type locality: Tanzania: Meru. HT male (HNHM).

***Bifronsina nepalensis* Papp, 2008. Distr.:** Oriental: Nepal.

Bifronsina nepalensis Papp, 2008b: 126 [both sexes, illustr.]. Type locality: Nepal, Royal Chitwan National Park, Bandarjholia Island-Jungle Island Resort. HT male (HNHM).

***Bifronsina nigroscutellata* (Duda, 1925). Distr.:** Afrotropical: Ethiopia.

Leptocera (Limosina) nigroscutellata. – ROHÁČEK et al. (2001): 291 [as unplaced species of Limosiniinae; world catalog].

Bifronsina nigroscutellata. – PAPP (2008b): 123 [generic combination].

Genus *Biroina* Richards, 1973

Note. The genus *Biroina* Richards, 1973 is under revision and is likely to undergo significant change in the next couple of years, probably including synonymy with *Howickia* Richards, 1951.

Genus *Ceroptera* Macquart, 1835***Ceroptera aharonii* Duda, 1938. Distr.:** Palaearctic: Israel, United Arab Emirates.

Ceroptera aharonii. – GATT (2008): 697–698 [photograph, new record from United Arab Emirates].

Genus *Chaetopodella* Duda, 1920

Chaetopodella Duda, 1920. – HAYASHI & PAPP (2007): 117–130 [Oriental species, diagnosis, taxonomy, key, illustr.]; PAPP (2008a): 235–255 [Afrotropical species, key, illustr., division into subgenera].

Afrochaetopodella: see below as subgenus.

Subgenus *Afrochaetopodella* Papp, 2008

Afrochaetopodella Papp, 2008a: 240 (feminine) [as subgenus of *Chaetopodella*]. Type species: *Chaetopodella reducta* Papp, 2008, original designation. – PAPP (2008a): 240–255 [diagnosis, key, illustr.].

***Chaetopodella (A.) keniaca* Papp, 2008. Distr.:** Afrotropical: Kenya.

Chaetopodella (Afrochaetopodella) keniaca Papp, 2008a: 241 [male only, key, illustr.]. Type locality: Kenya, Shimba Hills Nat. Park. HT male (HNHM).

***Chaetopodella (A.) reducta* Papp, 2008. Distr.:** Afrotropical: Tanzania.

Chaetopodella (Afrochaetopodella) reducta Papp, 2008a: 242 [male only, key, illustr.]. Type locality: Tanzania, Meru. HT male (HNHM).

Subgenus *Chaetopodella* Duda, 1920

Chaetopodella Duda, 1920 (see above under the genus). – PAPP (2008a): 245–250 [Afrotropical species, key, illustr.].

***Chaetopodella (C.) aethiopica* Papp, 2008. Distr.:** Afrotropical: Ethiopia.

Chaetopodella (Chaetopodella) aethiopica Papp, 2008a: 245 [both sexes, key, illustr.]. Type locality: Ethiopia, Lake Langano. HT male (HNHM).

***Chaetopodella (C.) cursoni* (Richards, 1939). Distr.:** Afrotropical: South Africa.

Chaetopodella cursoni. – ROHÁČEK et al. (2001): 133 [world catalog].

Chaetopodella (Chaetopodella) cursoni. – PAPP (2008a): 236–238 [subgeneric combination, key, illustr.].

***Chaetopodella (C.) demeteri* Papp, 2008. Distr.:** Afrotropical: Nigeria.

Chaetopodella (Chaetopodella) demeteri Papp, 2008a: 249 [both sexes, key, illustr.]. Type locality: Nigeria, Yangui [= Yankari] Reserve, Wikki. HT male (HNHM).

***Chaetopodella (C.) denigrata* (Duda, 1925). Distr.:** Afrotropical: Ethiopia.

Chaetopodella denigrata. – ROHÁČEK et al. (2001): 133 [world catalog].

Chaetopodella (Chaetopodella) denigrata. – PAPP (2008a): 238–241 [subgeneric combination, illustr., key, lectotype designation]. Type locality: Africa, Kilima-Ndjaru. LT male (HNHM).

- Chaetopodella (C.) impermissa*** (Richards, 1980). **Distr.:** Afrotropical: Zaire.
Chaetopodella (Chaetopodella) impermissa. – PAPP (2008a): 240, 253 [subgeneric combination, key].
- Chaetopodella (C.) latitarsis*** Hayashi & Papp, 2007. **Distr.:** Oriental: Thailand, Vietnam.
Chaetopodella latitarsis Hayashi & Papp, 2007: 120 [both sexes, key, illustr.]. Type locality: Vietnam, Mt. Phang Si Pang, N. rdg., [1,950–1,970 m]. HT male (NIID).
- Chaetopodella (C.) lesnei*** (Séguy, 1933). **Distr.:** Afrotropical: Mozambique.
Chaetopodella (Chaetopodella) lesnei. – PAPP (2008a): 240 [subgeneric combination, doubtful synonym of *C. cursori*].
- Chaetopodella (C.) nigeriae*** Papp, 2008. **Distr.:** Afrotropical: Nigeria.
Chaetopodella (Chaetopodella) nigeriae Papp, 2008a: 247 [both sexes, key, illustr.]. Type locality: Nigeria, Yangui [= Yankari] Reserve, Wikki. HT male (HNHM).
- Chaetopodella (C.) nigrinotum*** Hayashi & Papp, 2007. **Distr.:** Oriental: Bangladesh, China (HKG), India, Nepal, Pakistan, Sri Lanka, Taiwan, Thailand, Vietnam.
Chaetopodella nigrinotum Hayashi & Papp, 2007: 122 [both sexes, key, illustr.]. Type locality: Sri Lanka, Ratnapura. HT male (NIID).
- Chaetopodella (C.) orientalis*** Hayashi & Papp, 2007. **Distr.:** Oriental: Bangladesh, India, Indonesia (Sulawesi), Malaysia (incl. Sabah), Nepal, Singapore, Sri Lanka, Thailand, Vietnam.
Chaetopodella orientalis Hayashi & Papp, 2007: 125 [both sexes, key, illustr.]. Type locality: Thailand, Mae Taeng Elephant Camp. HT male (HNHM).
- Chaetopodella (C.) ornata*** Hayashi & Papp, 2007. **Distr.:** Oriental: Nepal.
Chaetopodella ornata Hayashi & Papp, 2007: 128 [both sexes, key, illustr.]. Type locality: Nepal, Sarangkot, Pokhara. HT male (NIID).
- Chaetopodella (C.) scutellaris*** (Haliday, 1836). **Distr.:** Palaearctic: Afghanistan, Andorra, Austria, Belgium, Bulgaria, Czech Republic, Denmark, Estonia, Finland, France, Germany, Great Britain, Hungary, Ireland, Italy (incl. Sicily), Japan, Kazakhstan, Latvia, Lithuania, Macedonia, Netherlands, North Korea, Norway, Poland, Romania, Russia (FE, NET, SET, WS), Serbia, Slovakia, Spain, Sweden, Switzerland.
Chaetopodella scutellaris. – ROHÁČEK et al. (2001): 134 [world catalog]; HAYASHI & PAPP (2007): 129 [key]; GATT (2006c): 67 [new record from Sicily]; DUMČIUS & PAKALNIŠKIS (2006): 57 [new record from Lithuania].
Chaetopodella (Chaetopodella) scutellaris. – PAPP (2008a): 240 [deleted records from Afrotropical Region],

Genus *Chaetosifemur* Papp, 2008

- Chaetosifemur* Papp, 2008b: 53 (neuter). Type species: *Chaetosifemur longiventre* Papp, 2008, original designation. – PAPP (2008b): 53–54 [diagnosis, key, illustr.].
- Chaetosifemur longiventre*** Papp, 2008. **Distr.:** Afrotropical: Tanzania.
Chaetosifemur longiventre Papp, 2008b: 54 [both sexes, illustr.]. Type locality: Tanzania, Morogoro region, Mikumi National Park. HT male (HNHM).

Genus *Cephalimosina* Papp, 2008

- Cephalimosina* Papp, 2008b: 140 (feminine). Type species: *Cephalimosina simplicipes* Papp, 2008, original designation. – PAPP (2008b): 140–141 [diagnosis, key, illustr.].
- Cephalimosina simplicipes*** Papp, 2008. **Distr.:** Oriental: Thailand.
Cephalimosina simplicipes Papp, 2008b: 141 [male, illustr.]. Type locality: Thailand, Trang Prov., Khao Phrao Ya N. P. HT male (HNHM).

Genus *Chespiritos* Marshall, 2000

Chespiritos Marshall, 2000. – ROHÁČEK & BUCK (2003): 43–50 [diagnosis].

Chespiritos pervadens Roháček & Buck, 2003. **Distr.:** Neotropical: Brazil; Palaearctic: Canary Is. (Spain).

Chespiritos pervadens Roháček & Buck, 2003: 45 [both sexes, illustr.]. Type locality: Brazil, Santa Catarina, Nova Teutônia, 27° 11' S 52° 23' W [300–500 m]. HT male (CNCI).

Genus *Coproica* Rondani, 1861

Coproica Rondani, 1861. – PAPP (2008c): 3–44 [Old World species, key, illustr.].

Coproica acutangula (Zetterstedt, 1847). **Distr.:** Afrotropical: Zaire; Australasian / Oceanian: Hawaii (USA); Nearctic: Canada (AB, AT, BC, MB, ON, QC), USA (AK, AZ, CA, CO, FL, GA, ID, IN, NJ, MD, MN, NM, OH, OK, OR, PA, TN, TX, UT, VA, WA, WI, WY); Neotropical: Bermuda, Colombia, Dominican Republic, Guatemala, Jamaica, Mexico (BCS, CHU, COA, DUR, JAL, MEX, MOR, NAY, VRC), Puerto Rico, Venezuela; Oriental: Japan (Okinawa), Pakistan, Taiwan; Palaearctic: Afghanistan, Algeria, Andorra, Austria, Belgium, Bulgaria, Croatia, Czech Republic, Denmark, Estonia, Finland, France, Germany, Georgia, Great Britain, Hungary, Italy, Japan, Kazakhstan, Kirghizia, Latvia, Macedonia, Mongolia, Montenegro, Netherlands, Norway, Poland, Romania, Russia (CET, FE, NET, SET, WS), Slovakia, Spain, Sweden, Switzerland, Tadjikistan, Uzbekistan.

Coproica acutangula. – ROHÁČEK (2007a): 114 [deleted record from Madeira (Portugal)].

Coproica albisetata Papp, 2008. **Distr.:** Afrotropical: South Africa.

Coproica albisetata Papp, 2008c: 6 [both sexes, illustr.]. Type locality: Republic of South Africa, Eastern Cape Prov. HT male (HNHM).

Coproica aliena Papp, 2008. **Distr.:** Oriental: Thailand.

Coproica aliena Papp, 2008c: 40 [both sexes, illustr.]. Type locality: Thailand, Mae Taeng Elephant Camp, 50 km N of Chiang Mai. HT male (HNHM).

Coproica bispinosa Papp, 2008. **Distr.:** Oriental: Nepal, Thailand.

Coproica bispinosa Papp, 2008c: 32 [both sexes, illustr.]. Type locality: Nepal, Royal Chitwan National Park, Bandar. HT male (HNHM).

Coproica brevivinosa Papp, 2008. **Distr.:** Afrotropical: Nigeria, Tanzania, Zanzibar.

Coproica brevivinosa Papp, 2008c: 42 [both sexes, illustr.]. Type locality: Nigeria, Yangukari Reserve, Wikki. HT male (HNHM).

Coproica demeteri Papp, 2008. **Distr.:** Afrotropical: Tanzania, Nigeria.

Coproica demeteri Papp, 2008c: 8 [both sexes, illustr.]. Type locality: Nigeria, Yangukari Reserve, Wikki. HT male (HNHM).

Coproica digitata (Duda, 1918). **Distr.:** Oriental: Pakistan; Palaearctic: Afghanistan, Bulgaria, Canary Is. (Spain), Czech Republic, Egypt, France, Hungary, Israel, Italy (incl. Sardinia), Kirghizia, Lebanon, Macedonia, Morocco, Romania, Serbia, Slovakia, Slovenia, Spain (incl. Balearic Is.), Tunisia, Turkmenistan, Uzbekistan.

Coproica digitata. – ROHÁČEK et al. (2003): 56 [new record from Canary Is.]; GAITT (2007): 300 [new records from Lebanon, Morocco]; GAITT (2006c): 67 [new record from Italy incl. Sardinia].

Coproica ferruginata (Stenhammar, 1855). **Distr.:** Afrotropical: Congo, Ethiopia, Ghana, Nigeria, Seychelles, South Africa, Tanzania, Togo, Zaire; Australasian / Oceanian:

Australia (ACT, NSW, NT, QLD), Fiji, Guam (USA), Hawaii (USA), New Zealand, Niue, Samoa, Tonga; Nearctic: Canada (AB, BC, MB, NB, NS, ON, QC), USA (AR, CA, DC, GA, IA, ID, IL, KS, KY, MA, MD, MI, MN, MT, ND, NE, NH, NM, NY, OH, PA, SC, SD, TN, WA, WI, WV); Neotropical: Argentina, Bahamas, Bermuda, Bolivia, Brazil, Chile, Colombia, Costa Rica, Jamaica, Honduras, Mexico (CHI, NAY), St. Kitts, Surinam; Oriental: China (HKG, XZ), India (Uttaranchal), Indonesia (Flores, Sumbawa), Japan (Okinawa), Pakistan, Sri Lanka, Thailand, Taiwan; Palaearctic: Afghanistan, Algeria, Andorra, Austria, Azores (Portugal), Belgium, Bulgaria, Canary Is. (Spain), China (BEI, TIB), Cyprus, Czech Republic, Denmark, Egypt, Finland, France (incl. Corsica), Germany, Great Britain, Greece (incl. Crete), Hungary, Ireland, Italy, Israel, Japan, Latvia, Lebanon, Madeira (Portugal), Malta, Mongolia, Montenegro, Morocco, Netherlands, North Korea, Norway, Poland, Romania, Russia (CET, NET), Serbia, Slovakia, Spain (incl. Balearic Is.), Sweden, Switzerland, Tadjikistan, Tunisia, Turkey, United Arab Emirates.

Coproica ferruginata. – NASH (1989): 152 [new record from Ireland]; GATT (2007): 300 [new records from Lebanon, Morocco, Turkey]; GATT (2008): 698 [new record from United Arab Emirates]; PAPP et al. (2006): 222 [new record from Thailand].

***Coproica flavifacies* Papp, 2008. Distr.:** Afrotropical: Tanzania.

Coproica flavifacies Papp, 2008c: 13 [male, illustr.]. Type locality: Tanzania, Meru. HT male (HNHM).

***Coproica ghanensis* Papp, 1979. Distr.:** Afrotropical: Ghana, Nigeria, Zanzibar.

Coproica ghanensis. – PAPP (2008c): 29 [males, new records from Zanzibar, Nigeria].

***Coproica hirticula* Collin, 1956. Distr.:** Afrotropical: South Africa; Australasian / Oceanian: Australia (ACT, NSW, QLD), New Zealand; Nearctic: Canada (AB, BC, NB, ON), USA (AK, AZ, CA, FL, IN, MA, MI, MN, MO, NC, NM, OK, SC, TN, UT, WY); Neotropical: Argentina, Barbados, Brazil, Colombia, Guatemala, Jamaica, Mexico (HID); Oriental: China (HKG), Taiwan; Palaearctic: Belgium, Bulgaria, Canary Is. (Spain), Cyprus, Czech Republic, Denmark, Germany, Great Britain, Greece (incl. Crete), Finland, France, Hungary, Israel, Italy, Japan, Latvia, Madeira (Portugal), Malta, Norway, Poland, Romania, Slovakia, Spain (incl. Balearic Is.), Sweden, Switzerland, United Arab Emirates.

Coproica hirticula. – ROHÁČEK et al. (2003): 56 [new record from Canary Is.]; ROHÁČEK (2004b): 252 [new record from Cyprus]; GATT (2007): 300 [new record from mainland Greece]; WITHERS (2007): 147 [new record from France]; GATT (2008): 698 [new record from United Arab Emirates]; ROHÁČEK (2007a): 104 [new record from Madeira (Portugal)]; PAPP (2008d): 225 [new record from South Africa].

Coproica hirtucula. – KARPA (2008): 27 [misspelling, record from Latvia].

***Coproica hirtula* (Rondani, 1880). Distr.:** Afrotropical: Congo, Ethiopia, Ghana, Kenya, Madagascar, Nigeria, Seychelles, South Africa, Yemen, Zaire; Australasian / Oceanian: Bonin Is. (Japan), Guam (USA), Hawaii (USA), Kiribati (Onotoa Atoll), Marshall Is., Micronesia (Kapingamarangi Atoll, Satawal I., Yap Is.), New Zealand, Northern Mariana Is. (Saipan), Papua New Guinea, Palau, Pitcairn Is.; Nearctic: Canada (AB, BC, NB, ON, QC), USA (AR, AZ, FL, IA, ID, IL, KS, MA, MI, MN, NE, NJ, NM, NY, OR, PA, UT, WA, WY); Neotropical: Chile (other records: Argentina, Bermuda, Bolivia, Galápagos Is. and Mexico are misidentifications of *C. rufifrons*); Oriental: China (HKG), India, Japan (Okinawa), Malaysia, Nepal, Pakistan, Sri Lanka, Taiwan,

Vietnam; Palaearctic: Afghanistan, Andorra, Austria, Azores (Portugal), Belgium, Bulgaria, Canary Is. (Spain), Cyprus, Czech Republic, Egypt, Finland, Germany, Great Britain, Greece (Thira), Hungary, Italy, Israel, Japan, Latvia, Madeira (Portugal), Malta, Montenegro, Netherlands, North Korea, Norway, Poland, Romania, Russia (CET), Serbia, Slovakia, Spain (incl. Balearic Is.), Sweden, Switzerland, Tunisia, United Arab Emirates, Uzbekistan.; South Atlantic: Saint Helena.

Coproica hirtula. – ROHÁČEK et al. (2003): 56 [new record from Canary Is.]; ROHÁČEK (2004b): 252 [new record from Cyprus]; GATT (2008): 698 [new record from United Arab Emirates]; PAPP (2008d): 225 [new record from South Africa].

Coproica lacteipennis Hayashi, 2005. **Distr.:** Oriental: India, Japan (Okinawa).

Coproica lacteipennis Hayashi, 2005a: 208 [both sexes, illustr.]. Type locality: Japan, Okinawa Pref., Iriomote, I., Uehara. HT male (NIID). – PAPP (2008c): 21 [new record from India].

Coproica lugubris (Haliday, 1835). **Distr.:** Australasian / Oceanian: Papua New Guinea; Oriental: China (HKG), India (Uttar Pradesh), Pakistan, Taiwan; Palaearctic: Afghanistan, Andorra, Austria, Belgium, Bulgaria, Czech Republic, Denmark, Finland, France (incl. Corsica), Germany, Great Britain, Greece (incl. Crete), Hungary, Ireland, Israel, Italy (incl. Pantelleria I., Sardinia), Japan, Kazakhstan, Kirghizia, Latvia, Lebanon, Lithuania, Macedonia, Madeira (Portugal), Morocco, Netherlands, North Korea, Norway, Poland, Portugal, Romania, Russia (CET, FE, NET, SET), Serbia, Slovakia, Spain (incl. Balearic Is.), Sweden, Switzerland, Tadjikistan, Tunisia.

Coproica lugubris. – GATT (2007): 301 [new records from Lebanon, mainland Greece, Morocco]; ROHÁČEK (2007a): 104 [new record from Madeira (Portugal)]; CARLES-TOLRÁ & ROSADO (2009): 346 [new record from Portugal].

Coproica microps Papp, 2008. **Distr.:** Afrotropical: Guinea.

Coproica microps Papp, 2008c: 22 [unique female, illustr.]. Type locality: Guinea, Coyah. HT female (HNHM).

Coproica perlugubris Papp, 2008. **Distr.:** Afrotropical: Ethiopia, South Africa.

Coproica perlugubris Papp, 2008c: 37 [both sexes, illustr.]. Type locality: Republic of South Africa, Eastern Cape Prov., Shamwari Game Reserve. HT male (HNHM).

Coproica pseudolacteipennis Papp, 2008. **Distr.:** Afrotropical: South Africa.

Coproica pseudolacteipennis Papp, 2008c: 24 [males, illustr.]. Type locality: Republic of South Africa, Eastern Cape Prov., Shamwari Game Reserve. HT male (HNHM).

Coproica pappi Carles-Tolrá, 1990. **Distr.:** Palaearctic: Hungary, Slovakia, Spain.

Coproica pappi. – ROHÁČEK (2009a): 263 [new record from Slovakia].

Coproica pusio (Zetterstedt, 1847). **Distr.:** Afrotropical: all records are doubtful; Oriental: Pakistan; Palaearctic: Afghanistan, Andorra, Austria, Belgium, Bulgaria, Czech Republic, Denmark, Finland, Germany, Great Britain, Hungary, Japan, Italy, Latvia, Lithuania, Norway, Mongolia, Russia (NET, ES, SET), Serbia, Slovakia, Spain, Sweden, Switzerland.

Coproica pusio. – DUMČIUS & PAKALNIŠKIS (2006): 57 [new record from Lithuania].

Coproica rohaceki Carles-Tolrá, 1990. **Distr.:** Oriental: Japan (Okinawa), Taiwan; Palaearctic: Andorra, Canary Is. (Spain), Cyprus, Italy, Japan, Malta, Norway, Spain (incl. Balearic Is.).

Coproica rohaceki. – ROHÁČEK (2004b): 252 [new record from Cyprus]; HAYASHI (2007a): 105 [new record from Taiwan]; CARLES-TOLRÁ (2010b): 202 [new record from Andorra].

Coproica rufifrons Hayashi, 1991. **Distr.:** Afrotropical: Yemen; Australasian / Oceanian: American Samoa, Australia (QLD), Cook Is., Fiji, French Polynesia (Tahiti), Kiribati, Marshall Is., Micronesia (Kapingamarangi, Satawa; I., Yap Is.), Palau, Papua New Guinea, Solomon Is., Tonga, Vanuatu, Western Samoa; Nearctic: USA (FL); Neotropical: Argentina, Bermuda, Brazil, ?Bolivia, Ecuador, Galápagos Is. (Ecuador), Grenada, ?Mexico, St. Kitts; Oriental: China (HKG), Japan (Okinawa), Pakistan, Taiwan; Palaearctic: Afghanistan, Canary Is. (Spain), China (BEI), Croatia, Hungary, Germany, Greece (Crete), Italy, Japan, Madeira (Portugal), Malta, Saudi Arabia, Tunisia, United Arab Emirates.

Coproica rufifrons. – HAYASHI (2001): 253 [new records from American Samoa, Australia (QLD), Cook Is., Fiji, French Polynesia (Tahiti), Kiribati, Marshall Is., Micronesia (Kapingamarangi, Satawa; I., Yap Is.), Palau, Tonga, Vanuatu, Western Samoa]; ROHÁČEK et al. (2003): 56 [new record from Canary Is.]; GATT (2004): 110 [new record from Malta]; GATT (2007): 301 [new records from Greece (Crete), Tunisia]; GATT (2006c): 67 [new record from Italy]; GADALLAH & BOSLY (2006): 346 [new record from Saudi Arabia]; ROHÁČEK (2007a): 104 [new record from Madeira (Portugal)]; GATT (2008): 700 [new record from United Arab Emirates]; PAPP (2008c): 21 [new records from Afghanistan, Croatia, Germany, Hungary, Yemen].

Coproica saphropha Papp, 2008. **Distr.:** Oriental: Thailand, Vietnam.

Coproica saphropha Papp, 2008c: 25 [both sexes, illustr.]. Type locality: Thailand, Thung Khai Botanical Gardens. HT male (HNHM).

Coproica serra (Richards, 1938). **Distr.:** Arotropical: Ethiopia, Kenya, South Africa, Uganda.

Coproica serra. – PAPP (2008d): 225 [new record from South Africa].

Coproica thaii Papp, 2008. **Distr.:** Oriental: Thailand.

Coproica thaii Papp, 2008c: 17 [both sexes, illustr.]. Type locality: Thailand, Mae Fang N.P. HT male (HNHM).

Coproica unispinosa Papp, 2008. **Distr.:** Oriental: Thailand, Vietnam, India; Palaearctic: China (BEI).

Coproica unispinosa Papp, 2008c: 34 [both sexes, illustr.]. Type locality: Thailand, Mae Taeng Elephant Camp, 50 km N of Chiang Mai. HT male (HNHM).

Coproica vagans (Haliday, 1833). **Distr.:** Afrotropical: Ethiopia, South Africa, Tanzania, Zaire; Australasian / Oceanian: Australia (QLD), Guam (USA), Hawaii (USA); Nearctic: Canada (AB, BC, NS), USA (AR, AZ, CA, CO, CT, DC, FL, ID, MI, MO, NJ, NM, OR, PA, SD, TX, UT, WA, WY); Neotropical: Argentina, Bermuda, Bolivia, Chile, Mexico (MEX); Oriental: Japan (Okinawa), Taiwan; Palaearctic: Afghanistan, Algeria, Andorra, Austria, Azerbaidjan, Belgium, Bulgaria, Canary Is. (Spain), Cyprus, Czech Republic, Denmark, Egypt, Finland, France (incl. Corsica), Georgia, Germany, Great Britain, Greece (incl. Crete, Thira), Hungary, Iceland, Ireland, Israel, Italy (incl. Sardinia, Sicily), Japan, Latvia, Macedonia, Malta, Mongolia, Netherlands, Norway, Poland, Romania, Russia (CET, NET, SET), Saudi Arabia, Serbia, Slovakia, Spain (incl. Balearic Is.), Sweden, Switzerland, Tadjikistan, Tunisia, Turkey, United Arab Emirates; South Atlantic: Saint Helena.

Coproica vagans. – ROHÁČEK (2007a): 116 [deleted records from Madeira (Portugal)]; GATT (2006c): 68 [new record from Sicily]; GADALLAH & BOSLY (2006): 347 [new record from Saudi Arabia]; GATT (2008): 700 [new record from United Arab Emirates].

Genus *Elachisoma* Rondani, 1880

Elachisoma afrotropicum Papp, 1983. **Distr.:** Afrotropical: Nigeria, South Africa.

Elachisoma afrotropicum. – PAPP (2008d): 224 [new record from South Africa].

Elachisoma aterrimum (Haliday, 1833). **Distr.:** Afrotropical: ?Zaire; Nearctic: Canada (AB, ON, QC), USA (IL, NY); Palaearctic: Afghanistan, Andorra, Austria, Azores (Portugal), Belgium, Bulgaria, Canary Is. (Spain), Cyprus, Czech Republic, Denmark, Egypt, Finland, France, Germany, Great Britain, Hungary, Ireland, Italy (incl. Sicily), Latvia, Madeira (Portugal), Malta, Netherlands, Poland, Romania, Russia (NET), Slovakia, Spain (incl. Balearic Is.), Sweden, Switzerland, Tadjikistan; South Atlantic: Saint Helena.

Elachisoma aterrimum. – GATT (2006c): 68 [new record from Sicily]; WITHERS (2007): 147 [new record from France]; CARLES-TOLRÁ (2010b): 202 [new record from Andorra].

Elachisoma bajzae Papp, 1983. **Distr.:** Palaearctic: Canary Is. (Spain), Cyprus, Czech Republic, Greece (Crete), Hungary, Italy, Madeira (Portugal), Slovakia, Spain (incl. Balearic Is.), Switzerland.

Elachisoma bajzae. – ROHÁČEK et al. (2003): 56 [new record from Canary Is.]; ROHÁČEK (2004b): 252 [new record from Cyprus]; ROHÁČEK (2007a): 106 [new record from Madeira (Portugal)].

Elachisoma pilosum (Duda, 1924). **Distr.:** Oriental: Indonesia (Java), Malaysia; Palaearctic: Afghanistan, Belgium, Czech Republic, France, Germany, Great Britain, Hungary, Lavia, Malta, Madeira (Portugal), Poland, Romania, Slovakia, Spain, Sweden, Switzerland.

Elachisoma pilosum. – ROHÁČEK (2007a): 106 [new record from Madeira (Portugal)]; WITHERS (2007): 147 [new record from France].

Genus *Eulimosina* Roháček, 1983

Eulimosina Roháček, 1983. – PAPP (2008b): 129 (elevated to genus, former subgenus of *Spelobia* Spuler, 1925, key, illustr.).

Eulimosina ochripes (Meigen, 1830). **Distr.:** Nearctic: Canada (AB, BC, ON, QC, SK), USA (CA, MI, NY); Oriental: Nepal, Pakistan; Palaearctic: Afghanistan, Andorra, Austria, Belgium, Bulgaria, Czech Republic, Denmark, Estonia, Finland, France (incl. Corsica), Germany, Great Britain, Greece, Hungary, Ireland, Italy (incl. Sicily), Kazakhstan, Kirghizia, Latvia, Lebanon, Lithuania, Macedonia, Mongolia, Montenegro, Netherlands, Norway, Poland, Romania, Russia (CET, FE, NET, SET, WS), Slovakia, Slovenia, Spain, Sweden, Switzerland, Tadjikistan, Tunisia.

Spelobia (*Eulimosina*) *ochripes*. – GATT (2007): 305 [new record from Lebanon]; GATT (2006c): 70 [new record from Sicily].

Spelobia orchipes. – KARPA (2008): 28 [misspelling, record from Latvia].

Eulimosina ochripes. – PAPP (2008b): 129 [generic combination].

Eulimosina dudai (Papp, 1978). **Distr.:** Oriental: Indonesia (Sumatra); Palaearctic: Afghanistan.

Spelobia (*Spelobia*) *dudai*. – ROHÁČEK et al. (2001): 258 [world catalog].

Eulimosina dudai. – PAPP (2008b): 129 [generic combination].

Eulimosina oroszi Papp, 2008. **Distr.:** Oriental: Thailand.

Eulimosina oroszi Papp, 2008b: 131 [both sexes, illustr.]. Type locality: Thailand: Trang Prov., Thung Khai Botanic Garden. HT male (HNHM).

Genus *Eximilimosina* Papp, 2008

Eximilimosina Papp, 2008b: 71 (feminine). Type species: *Paralimosina eximia* Papp, 1991, original designation.
– PAPP (2008b): 71–78 [diagnosis, key, illustr.].

Eximilimosina eximia (Papp, 1991). **Distr.:** Oriental: Indonesia.

Paralimosina eximia. – ROHÁČEK et al. (2001): 186 [world catalog].

Eximilimosina eximia. – PAPP (2008b): 71 [generic combination].

Eximilimosina elegantula (Duda, 1925). **Distr.:** Oriental: India.

Acuminiseta elegantula. – ROHÁČEK et al. (2001): 111 [world catalog].

Eximilimosina elegantula. – PAPP (2008b): 74 [generic combination].

Eximilimosina major Papp, 2008. **Distr.:** Oriental: India.

Eximilimosina major Papp, 2008b: 74 [male, illustr.]. Type locality: India, Ghum, W. Bengal. HT male (HNHM).

Eximilimosina thailandica Papp, 2008. **Distr.:** Oriental: Thailand.

Eximilimosina thailandica Papp, 2008b: 76 [male, illustr.]. Type locality: Thailand, Trang Prov., Thung Khai Botanic Garden. HT male (HNHM).

Genus *Gigalimosina* Roháček, 1983

Gigalimosina flaviceps (Zetterstedt, 1847). **Distr.:** Palaearctic: Austria, Belgium, Czech Republic, Denmark, Estonia, Finland, France, Germany, Great Britain, Hungary, Ireland, Italy, Latvia, Norway, Poland, Romania, Slovakia, Spain, Sweden.

Gigalimosina flaviceps. – NASH et al. (2001): 190 [records from Ireland].

Genus *Giraffimyella* Papp, 2008

Giraffimyella Papp, 2008b: 89 (feminine). Type species: *Leptocera giraffa* Richards, 1938, original designation.
– PAPP (2008b): 89–91 [diagnosis, key, illustr.].

Giraffimyella giraffa (Richards, 1938). **Distr.:** Afrotropical: Cameroon, Tanzania.

Poecilosomella giraffa. – ROHÁČEK et al. (2001): 202 [world catalog].

Giraffimyella giraffa. – PAPP (2008b): 89 [generic combination].

Genus *Gonitella* Papp, 2008

Gonitella Papp, 2008b: 153 (feminine). Type species: *Gonitella flavipes* Papp, 2008, original designation. – PAPP (2008b): 153–154 [diagnosis, key, illustr.].

Gonitella flavipes Papp, 2008. **Distr.:** Afrotropical: Congo.

Gonitella flavipes Papp, 2008b: 154 [both sexes, illustr.]. Type locality: Congo, Sibiti, Irho rain forest. HT male (HNHM).

Genus *Herniosina* Roháček, 1983

Herniosina bequaerti (Villeneuve, 1917). **Distr.:** Palaearctic: Austria, Belgium, Czech Republic, Finland, Germany, Great Britain, Iceland, Ireland, Italy, Latvia, Netherlands, Poland, Slovakia, Spain, Sweden, Switzerland.

Herniosina bequaerti. – NASH et al. (2001): 191 [new record from Ireland]; KARPA (2008): 27 [record from Latvia].

Genus *Lepidosina* Marshall & Buck, 2007

Lepidosina Marshall & Buck, 2007 in MARSHALL et al. (2007): 573 (feminine). Type species: *Leptocera* (*Scotophilella*) *gibba* Spuler, 1925, original designation. – MARSHALL et al. (2007): 573–599 [diagnosis, phylogeny, COI sequencing, key, illustr.].

Lepidosina angusticercus Marshall & Buck, 2007. **Distr.:** Neotropical: Brazil, British Virgin Is., Dominica, Dominican Republic, Ecuador, Grenada, Panama, Peru, Puerto Rico.

Lepidosina angusticercus Marshall & Buck, 2007 in MARSHALL et al. (2007): 581 [both sexes, key, illustr.]. Type locality: Grenada, Concord Falls, Nutmeg Plantation. HT male (DEBU).

Lepidosina argentinensis Marshall & Buck, 2007. **Distr.:** Neotropical: Argentina.

Lepidosina argentinensis Marshall & Buck, 2007 in MARSHALL et al. (2007): 582 [both sexes, key, illustr.]. Type locality: Argentina, Salta, La Caldera, Camino la Cornisa [1,500 m]. HT male (DEBU).

Lepidosina cubensis Marshall & Buck, 2007. **Distr.:** Neotropical: Cuba.

Lepidosina cubensis Marshall & Buck, 2007 in MARSHALL et al. (2007): 584 [both sexes, key, illustr.]. Type locality: Cuba, Santiago, Gran Piedra, Segundo chorroito [600 m]. HT male (DEBU).

Lepidosina evanescens Marshall & Buck, 2007. **Distr.:** Neotropical: Bolivia, Colombia, Costa Rica, Ecuador, Peru, Venezuela.

Lepidosina evanescens Marshall & Buck, 2007 in MARSHALL et al. (2007): 585 [both sexes, key, illustr.]. Type locality: Ecuador, Esmeraldas, 11 km SE San Lorenzo, La Chiquita [5 m]. HT male (DEBU).

Lepidosina gibba (Spuler, 1925). **Distr.:** Nearctic: USA (FL); Neotropical: Dominican Republic, Haiti, Jamaica.

Leptocera (*Scotophilella*) *gibba*. – ROHÁČEK et al. (2001): 289 [catalog, as species incertae sedis].

Lepidosina gibba. – MARSHALL et al. (2007): 586 [generic combination, redescription, phylogeny, illustr.].

Lepidosina inaequalis (Malloch, 1914). **Distr.:** Nearctic: USA (AL); Neotropical: Belize, Costa Rica, El Salvador, ?Galápagos Is. (Ecuador), Mexico (BCS, JAL, MOR, SLP, SON), Venezuela.

Leptocera (*Limosina*) *inaequalis*. – ROHÁČEK et al. (2001): 289 [catalog, as species incertae sedis].

Lepidosina inaequalis. – MARSHALL et al. (2007): 588 [generic combination, redescription, phylogeny, illustr.].

Lepidosina multispinulosa Marshall & Buck, 2007. **Distr.:** Neotropical: Ecuador, Peru.

Lepidosina multispinulosa Marshall & Buck, 2007 in MARSHALL et al. (2007): 590 [male, key, illustr.]. Type locality: Ecuador, Napo, Yasuni National Park, Yasuni Research Station. HT male (ZMUC).

Lepidosina platessa Marshall & Buck, 2007. **Distr.:** Neotropical: Bolivia.

Lepidosina platessa Marshall & Buck, 2007 in MARSHALL et al. (2007): 592 [male, key, illustr.]. Type locality: Bolivia, Santa Cruz, Portrerillo, Terevinto. HT male (DEBU).

Lepidosina proxineura Marshall & Buck, 2007. **Distr.:** Neotropical: Brazil.

Lepidosina proxineura Marshall & Buck, 2007 in MARSHALL et al. (2007): 593 [male, key, illustr.]. Type locality: Brazil, Rio de Janeiro, Represa dos Ciganos. HT male (UNSP).

Lepidosina quadrisquamosa Marshall & Buck, 2007. **Distr.:** Neotropical: Venezuela.

Lepidosina quadrisquamosa Marshall & Buck, 2007 in MARSHALL et al. (2007): 594 [both sexes, key, illustr.]. Type locality: Venezuela, Aragua, El Limón, Pozo del Diablo [570 m]. HT male (DEBU).

Lepidosina rutricauda Marshall & Buck, 2007. **Distr.:** Neotropical: Colombia, Ecuador, Peru.

Lepidosina rutricauda Marshall & Buck, 2007 in MARSHALL et al. (2007): 597 [both sexes, key, illustr.]. Type locality: Ecuador, Napo, Jatun Sacha Reserve, 6 km E Misahuallí [450 m]. HT male (DEBU).

Genus *Leptocera* Olivier, 1813

Leptocera Olivier, 1813. – BUCK & MARSHALL (2009): 7–16 [as genus; diagnosis, revision of New World species, phylogenetic notes, species groups, key, illustr.].

Leptocera aequilimbata Duda, 1925. **Distr.:** Neotropical: Argentina, Bolivia, Peru.

Leptocera (*Paracollinella*) *aequilimbata* Duda, 1925: 58 [both sexes]. Type locality: Peru, Cuzco [3,700–4,200 m]. LT male, designated by Buck in BUCK & MARSHALL (2009): 23 (SMTD).

Leptocera aequilimbata. – BUCK & MARSHALL (2009): 23 [redescription, both sexes, illustr., key, new record from Argentina].

Leptocera angulispina Buck, 2009. **Distr.:** Nearctic: Canada (YT), USA (AK).

Leptocera angulispina Buck, 2009 in BUCK & MARSHALL (2009): 75 [both sexes, key, illustr.]. Type locality: USA, Alaska, Richardson Hwy mi 206. HT male (DEBU).

Leptocera argentinica Buck, 2009. **Distr.:** Neotropical: Argentina, Bolivia.

Leptocera argentinica Buck, 2009 in BUCK & MARSHALL (2009): 25 [both sexes, key, illustr.]. Type locality: Argentina, Prov. Tucumán, Arroyo 14 km S El Tala [700 m]. HT female (CNCI).

Leptocera caenosa (Rondani, 1880). **Distr.:** Afrotropical: South Africa; Australasian / Oceanian: Australia (CT, NS, TA, VI), Hawaii (USA), New Zealand (incl. Snares Is.); Nearctic: Canada (AB, BC, MB, NB, NS, ON, QC, SK), USA (AK, AL, AR, AZ, CA, CO, FL, GA, IA, IL, IN, KY, LA, MA, MD, MI, MN, MO, MS, NC, ND, NH, NM, NY, OH, OK, OR, PA, SC, TN, TX, VA, VT, WA, WV, WY); Neotropical: Argentina, Bermuda, ?Bolivia, Chile, Costa Rica, Ecuador, Juan Fernández Is. (Chile), Mexico (HID, JAL, MOR, QRE), Panama, ?Peru; Palaearctic: Afghanistan, Andorra, Austria, Azores (Portugal), Belgium, Bulgaria, Canary Is. (Spain), Cyprus, Czech Republic, Denmark, Finland, France, Georgia, Germany, Great Britain, Greece, Hungary, Iceland, Ireland, Israel, Italy (incl. Sardinia), Japan, Latvia, Madeira (Portugal), Malta, Mongolia, Montenegro, Netherlands, North Korea, Norway, Portugal, Romania, Russia (CET, ES, FE, NET, WS), Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Uzbekistan; South Atlantic: Gough I., Tristan da Cunha; Subantarctic: South Shetlands.

Leptocera caenosa. – NARTSHUK & KRIVOKHATSKY (1996): 447–449 [breeding in formalin-fixed reptiles, puparium, illustr.]; GATT (2004): 112 [new record from Cyprus]; BUCK & MARSHALL (2009): 27 [both sexes, illustr., key, new records from Juan Fernández Is. (Chile), Tristan da Cunha]; CARLES-TOLRÁ & ROSADO (2009): 346 [record from Portugal]; ZATWARNICKY (2007): 213 [record from Poland].

Leptocera cultellipennis (Enderlein, 1938). **Distr.:** Neotropical: Juan Fernández Is. (Chile).

Leptocera cultellipennis. – BUCK & MARSHALL (2009): 62 [redescription, both sexes, illustr., key].

Leptocera cymatonota Buck, 2009. **Distr.:** Neotropical: Guatemala, Mexico (CHI).

Leptocera cymatonota Buck, 2009 in BUCK & MARSHALL (2009): 94 [both sexes, key, illustr.]. Type locality: Guatemala, Dpto. Quetzaltenango, 8 km SE Zunil [2,450 m]. HT male (DEBU).

Leptocera decisetosa (Vanschuytbroeck, 1950). **Distr.:** Afrotropical: Rwanda, South Africa, Zaire.

Leptocera decisetosa. – PAPP (2008d): 225 [new record from South Africa].

Leptocera dicrofulva Buck, 2009. **Distr.:** Neotropical: Brazil, Ecuador, Mexico (SLP, VRC), Nicaragua, Panama, Peru.

Leptocera dicrofulva Buck, 2009 in BUCK & MARSHALL (2009): 102 [both sexes, key, illustr.]. Type locality: Panama, Prov. Colón, Canal Zone, Tabernilla. HT male (USNM).

Leptocera duplicata Richards, 1955. **Distr.:** Neotropical: Juan Fernández Is. (Chile).

Leptocera duplicata. – BUCK & MARSHALL (2009): 64 [redescription, both sexes, illustr., key].

Leptocera ellipsipennis Richards, 1955. **Distr.:** Neotropical: Juan Fernández Is. (Chile).

Leptocera (Leptocera) ellipsipennis Richards, 1955: 76 [male, description of female based on misidentified specimens of *Leptocera parallelepennis* Buck, 2009; illustr.]. Type locality: Chile, Juan Fernández Is., Masatierra I. (= Robinson Crusoe I.), Plazoleta del Yunque [200 m]. HT male (originally deposited in IESC; its present depository unknown, see PITKIN (1989: 18) and A. Henry (in litt. 1999). PTs (IESC, BMNH); except for one male (IESC) all paratypes are misidentified *Leptocera parallelepennis* Buck, 2009 (see BUCK & MARSHALL 2009: 66).

Leptocera ellipsipennis. – BUCK & MARSHALL (2009): 66 [redescription, both sexes, phylogenetic notes, illustr., key].

Leptocera erythrocer (Becker, 1920). **Distr.:** Afrotropical: Burkina Faso; Australasian / Oceanian: Hawaii (USA); Nearctic: Canada (AB, BC, MB, NB, NS, ON, QC, SK, YT), USA (AL, AR, AZ, CA, CO, CT, DC, DE, FL, GA, IA, ID, IL, IN, KS, KY, LA, MA, MD, ME, MI, MN, MO, MS, MT, NC, ND, NE, NH, NM, NV, NY, OH, OK, OR, PA, SC, SD, TN, TX, UT, VA, VT, WA, WI, WV, WY); Neotropical: Argentina, Bahamas, Belize, Bermuda, Bolivia, Brazil, Cayman Is., Chile, Colombia, Costa Rica, Dominica, Dominican Republic, Ecuador, Galápagos Is. (Ecuador), Guatemala, Haiti, Honduras, Jamaica, Mexico (BCN, CHI, DUR, JAL, MOR, NAY, OXA, PUE, SIN, SLP, SON, TAB, TAM, VRC), Montserrat, Nicaragua, Panama, Paraguay, Peru, Puerto Rico, St. Croix, St. Kitts, St. Lucia, St. Vincent, Trinidad, Venezuela; South Atlantic: ?Tristan da Cunha [due to confusion with *Leptocera caenosa* (Rondani, 1880)?].

Leptocera erythrocer. – BUCK & MARSHALL (2009): 34 [redescription, both sexes, illustr., key; new records from Burkina Faso, Colombia, Montserrat, St. Croix].

Leptocera (Paracollinella) pararoralis Duda, 1925: 51 [female]. Type locality: USA, Illinois, Algonquin (not Algonquin Park, Ontario, Canada, as suspected by Buck in ROHÁČEK et al. (2001): 153). LT female, designated by Marshall & Buck in BUCK & MARSHALL (2009): 34 (MSNM). – Buck & Marshall in ROHÁČEK et al. (2001): 153 [synonymy].

Leptocera erythrocer *pararoralis*. – BUCK & MARSHALL (2009): 34 [subspecies status].

Leptocera (Paracollinella) abdominiseta Duda, 1925: 52 [both sexes]. Type locality: “Chile” [= ?Peru], Tacna. LT female, designated by Buck in BUCK & MARSHALL (2009): 34 (SMTD). – Buck in ROHÁČEK et al. (2001): 153 [synonymy].

Leptocera equispina Papp, 1973. **Distr.:** Palaearctic: Mongolia, Russia (WS).

Leptocera equispina. – BUCK & MARSHALL (2009): 94 [new record from Russia].

Leptocera erratica Buck, 2009. **Distr.:** Afrotropical: South Africa; Australasian / Oceanian: Australia (QLD); Nearctic: USA (CA); Neotropical: Argentina.

Leptocera erratica Buck, 2009 in BUCK & MARSHALL (2009): 32 [both sexes, key, illustr.]. Type locality: Australia, Queensland, Mt. Glorious. HT male (ANIC).

Leptocera finalis (Collin, 1956). **Distr.:** Nearctic: Canada (LB, MB, NS, NT, QC, YT), USA (AK). Palaearctic: Czech Republic, Denmark, Estonia, Finland, Great Britain, Ireland, Latvia, Norway, Poland, Russia (ES, FE, NET, WS).

Leptocera finalis. – BUCK & MARSHALL (2009): 77 [illustr., key, new records from USA].

Leptocera fontinalis (Fallén, 1826). **Distr.:** Afrotropical: all records doubtful; Nearctic: Canada (NF, NS, QC); USA (NH); Neotropical: all records doubtful; Palaearctic: Afghanistan, Andorra, Austria, ?Azores (Portugal), Belgium, Bulgaria, ?China (TIB), Croatia, Cyprus, Czech Republic, Denmark, Estonia, Faeroe Is. (Denmark), Finland, France, Georgia,

Germany, Great Britain, Greece (incl. Crete), Hungary, Iceland, Ireland, Israel [record missing from previous catalog], Italy (incl. Sardinia, Sicily), Latvia, Lebanon, Lithuania, Kazakhstan, Macedonia, Malta, Montenegro, Morocco, Netherlands, Norway, Poland, Portugal, Romania, Russia (CET, NET, SET), Slovakia, Slovenia, Spain (incl. Balearic Is.), Sweden, Switzerland, Tadjikistan, Tunisia, Turkey, Ukraine, Uzbekistan.

Leptocera (Leptocera) fontinalis. – LUTOVINOVAS et al. (2003): 408 [new record from Lithuania].

Leptocera fontinalis. – EBEJER (2003): 103 [new record from Balearic Is.]; GATT (2007): 301 [new records from mainland Greece, Lebanon, Morocco, Turkey]; ROHÁČEK (2007a): 116 [deleted records from Madeira]; BUCK & MARSHALL (2009): 78 [illustr., key, record from USA confirmed]

Leptocera fulva (Malloch, 1912). **Distr.:** Nearctic: USA (FL); Neotropical: Belize, Bolivia, Brazil, Colombia, Costa Rica, Cuba, Dominica, Dominican Republic, Ecuador, El Salvador, ?Galápagos Is. (Ecuador) [due to confusion with *Leptocera erythrocerca* (Becker, 1920)?], Grenada, Guadeloupe, Guatemala, Honduras, Jamaica, Mexico (CHI, COL, GUE, JAL, OXA, QNR, SIN, TAM, VRC), Nicaragua, Panama, Paraguay, Peru, Puerto Rico, St. Vincent, Trinidad (incl. Tobago), Venezuela.

Leptocera fulva. – BUCK & MARSHALL (2009): 104 [redescription, both sexes, illustr., key, new record from El Salvador].

Limosina scutellaris Williston, 1896: 432 [both sexes; a primary junior homonym of *Limosina scutellaris* Haliday, 1836 = *Chaetopodella scutellaris* (Haliday, 1836)]. Type locality: West Indies, Saint Vincent I. LT female, designated by Buck in BUCK & MARSHALL (2009): 104 (BMNH).

Leptocera gongylothea Buck, 2009. **Distr.:** Neotropical: Argentina.

Leptocera gongylothea Buck, 2009 in BUCK & MARSHALL (2009): 46 [both sexes, key, illustr.]. Type locality: Argentina, Prov. Salta, Santa Rosa de Tastil 100 km W Salta [3,000 m]. HT female (DEBU).

Leptocera hexadike Buck, 2009. **Distr.:** Neotropical: Costa Rica, Panama.

Leptocera hexadike Buck, 2009 in BUCK & MARSHALL (2009): 97 [both sexes, key, illustr.]. Type locality: Costa Rica, Prov. San José, San Gerardo de Dota, 9°33'N, 83°48'W. HT male (INBC).

Leptocera insularum Buck, 2009. **Distr.:** Neotropical: Dominican Republic, Puerto Rico.

Leptocera insularum Buck, 2009 in BUCK & MARSHALL (2009): 109 [both sexes, key, illustr.]. Type locality: Puerto Rico, Guánica. HT male (DEBU).

Leptocera kanata Buck, 2009. **Distr.:** Nearctic: Canada (AB, ?BC, NB, ON, QC, SK, YT), USA (AK, MA, MI, ?NM, ?UT, ?WY).

Leptocera kanata Buck, 2009 in BUCK & MARSHALL (2009): 80 [both sexes, key, illustr.]. Type locality: Canada, Ontario, Guelph, South Arboretum. HT male (DEBU).

Leptocera longilimbata Buck, 2009. **Distr.:** Neotropical: Chile.

Leptocera longilimbata Buck, 2009 in BUCK & MARSHALL (2009): 48 [male, key, illustr.]. Type locality: Chile, Reg. Coquimbo, Hacienda Illapel [2,300–2,600 m]. HT male (CNCI).

Leptocera mendozana Richards, 1931. **Distr.:** Neotropical: Argentina, Bolivia, Peru.

Leptocera mendozana. – BUCK & MARSHALL (2009): 49 [redescription, both sexes, illustr., key, occurrence in Bolivia confirmed].

Leptocera neocurvinervis Richards, 1931. **Distr.:** Neotropical: Argentina, Chile.

Leptocera neocurvinervis. – BUCK & MARSHALL (2009): 51 [redescription, both sexes, illustr., key].

Leptocera neofinalis Buck, 2009. **Distr.:** Nearctic: Canada (AB, BC, MB, NB, NS, NT, ON, QC, SK, YT), USA (AK, CA, NH, NY, WA, WY).

Leptocera neofinalis Buck, 2009 in BUCK & MARSHALL (2009): 83 [both sexes, key, illustr.]. Type locality: Canada, Yukon Territory, Dempster Hwy km 141, Blackstone River. HT male (DEBU).

Leptocera neovomerata Buck, 2009. **Distr.:** Nearctic: Canada (YT), USA (AK, CO, NM, WY).

Leptocera neovomerata Buck, 2009 in BUCK & MARSHALL (2009): 87 [both sexes, key, illustr.]. Type locality: USA, New Mexico, Lincoln Co., Sierra Blanca [9,700 ft]. HT male (DEBU).

Leptocera nigra Olivier, 1813. **Distr.:** Afrotropical: Botswana, Cameroon, Cape Verde Is., Ethiopia, Kenya, Madagascar, Malawi, Mozambique, Rwanda, South Africa, Zaire; Neotropical: Venezuela; Oriental: India (Uttaranchal), Nepal, Pakistan; Palaearctic: Algeria, Afghanistan, Andorra, Armenia, Austria, Azores (Portugal), Belgium, Bulgaria, Canary Is. (Spain), Croatia, Cyprus, Czech Republic, Denmark, Egypt, Finland, France, Georgia, Germany, Great Britain, Greece (incl. Crete), Hungary, Iran, Ireland, Israel, Italy (incl. Pantelleria I., Sardinia, Sicily), Japan, Jordan, Latvia, Lebanon, Lithuania, Macedonia, Madeira (Portugal), Malta, Montenegro, Morocco, Netherlands, North Korea, Norway, Poland, Portugal, Romania, Russia (CET, ES, FE, NET, SET, WS), Serbia, Slovakia, Slovenia, Spain (incl. Balearic Is.), Sweden, Switzerland, Tadjikistan, Tunisia, Turkey, Uzbekistan; South Atlantic: Saint Helena.

Leptocera nigra. – GATT (2007): 301 [new records from Crete, Lebanon]; BUCK & MARSHALL (2009): 117 [illustr., key, new record from Venezuela, occurrence in Pakistan confirmed].

Leptocera oldenbergi (Duda, 1918). **Distr.:** Palaearctic: Belgium, Czech Republic, Denmark, Georgia, Germany, Great Britain, Hungary, Ireland, Latvia, Netherlands, Slovakia, Sweden, Switzerland.

Leptocera (Leptocera) oldenbergi. – NASH et al. (2001): 192 [new record from Ireland].

Leptocera papallacta Buck, 2009. **Distr.:** Neotropical: Ecuador, Peru.

Leptocera papallacta Buck, 2009 in BUCK & MARSHALL (2009): 54 [both sexes, key, illustr.]. Type locality: Ecuador, Prov. Pichincha, Cotopaxi Natl. Pk., Quebrada Mishahuaicu [3,600 m]. HT male (QCAZ).

Leptocera parafinalis Papp, 1973. **Distr.:** Nearctic: Canada (AB, NT, NU, YT), USA (AK, CO); Palaearctic: Mongolia.

Leptocera parafinalis. – BUCK & MARSHALL (2009): 89 [both sexes, key, illustr., new records from Canada, USA].

Leptocera parallelipennis Buck, 2009. **Distr.:** Neotropical: Juan Fernández Is. (Chile).

Leptocera parallelipennis Buck, 2009 in BUCK & MARSHALL (2009): 69 [both sexes, key, illustr.]. Type locality: Chile, Reg. Aconcagua, Juan Fernández Is., Robinson Crusoe I., above Plazoleta. HT male (MNNC).

Leptocera plax Buck, 2009. **Distr.:** Neotropical: Ecuador.

Leptocera plax Buck, 2009 in BUCK & MARSHALL (2009): 121 [both sexes, key, illustr.]. Type locality: Ecuador, Prov. Napo, Baeza [1,500 m]. HT male (ROME).

Leptocera posteronitens Buck, 2009. **Distr.:** Neotropical: Guatemala, Mexico (CHI).

Leptocera posteronitens Buck, 2009 in BUCK & MARSHALL (2009): 123 [female, key, illustr.]. Type locality: Guatemala, Dpto. Baja Verapaz, 4.8 km E Purulhá [1,680 m]. HT female (DEBU).

Leptocera prolixofulva Buck, 2009. **Distr.:** Neotropical: Ecuador, Panama, Venezuela.

Leptocera prolixofulva Buck, 2009 in BUCK & MARSHALL (2009): 109 [both sexes, key, illustr.]. Type locality: Venezuela, Mérida, La Punta, Río Chana. HT male (IZAV).

Leptocera rhadinofulva Buck, 2009. **Distr.:** Neotropical: Argentina, Bolivia, Brazil, Ecuador, Paraguay, Peru, Venezuela.

Leptocera rhadinofulva Buck, 2009 in BUCK & MARSHALL (2009): 112 [both sexes, key, illustr.]. Type locality: Peru, Dpto. Madre de Dios, Los Amigos Biol. Stn. HT male (MUSM).

Leptocera schlingeri Richards, 1963. **Distr.:** Neotropical: Ecuador, Peru.

Leptocera schlingeri. – BUCK & MARSHALL (2009): 128 [redescription, both sexes, key, illustr.].

Leptocera sphaerotheca Buck, 2009. **Distr.:** Nearctic: USA (AZ, TX); Neotropical: Costa Rica, El Salvador, Guatemala, Honduras, Mexico (AGC, CHI, CHU, DUR, GUA, GUE, HID, JAL, MEX, MIC, MOR, NAY, NUL, OXA, PUE, QRE, SLP, SON, TAM, TLA, VRC, ZAC), Panama.

Leptocera sphaerotheca Buck, 2009 in BUCK & MARSHALL (2009): 57 [both sexes, key, illustr.]. Type locality: Mexico, Chiapas, San Cristóbal de las Casas [7,200 ft]. HT female (CNCI).

Leptocera tapanti Buck, 2009. **Distr.:** Neotropical: Costa Rica, Panama.

Leptocera tapanti Buck, 2009 in BUCK & MARSHALL (2009): 124 [both sexes, key, illustr.]. Type locality: Costa Rica, Prov. Cartago, Tapantí Natl. Pk. [1,550 m]. HT male (INBC).

Leptocera tenuispina Buck, 2009. **Distr.:** Nearctic: Canada (BC).

Leptocera tenuispina Buck, 2009 in BUCK & MARSHALL (2009): 91 [both sexes, key, illustr.]. Type locality: Canada, British Columbia, Hixon. HT male (CNCI).

Leptocera vomerata Roháček & Papp, 1983. **Distr.:** Palaearctic: Russia (FE).

Leptocera vomerata. – ROHÁČEK et al. (2001): 157 [misrecorded from Nearctic]; BUCK & MARSHALL (2009): 87 [Nearctic distribution deleted; based on misidentified material of *Leptocera neovomerata* Buck, 2009].

Genus *Limosina* Macquart, 1835

Limosina silvatica (Meigen, 1830). **Distr.:** Palaearctic: Austria, Belgium, Cyprus, Czech Republic, Denmark, Finland, France, Germany, Great Britain, Greece, Hungary, Ireland, Israel [record missing from previous catalog], Italy (incl. Sicily), Latvia, Netherlands, Norway, Poland, Romania, Russia (CET, NET, SET), Serbia, Slovakia, Spain, Sweden, Switzerland, Tunisia, Ukraine.

Limosina silvatica. – ROHÁČEK (2004b): 253 [new record from Cyprus]; GATT (2007): 301 [new record from Greece]; GATT (2006c): 68 [new record from Sicily]; KARPA (2008): 28 [record from Latvia].

Genus *Minialula* Papp, 2008

Minialula Papp, 2008b: 91 (feminine). Type species: *Minialula poeciloptera* Papp, 2008, original designation. PAPP (2008b): 91–92 [diagnosis, key, illustr.].

Minialula poeciloptera Papp, 2008. **Distr.:** Oriental: Taiwan.

Minialula poeciloptera Papp, 2008b: 92 [both sexes, illustr.]. Type locality: Taiwan, Ilan Hsien, Fu-Shan LTER Site. HT male (HNHM).

Genus *Minilimosina* Roháček, 1983

Subgenus *Allolimosina* Roháček, 1983

Minilimosina (A.) albinervis (Duda, 1918). **Distr.:** Nearctic: Canada (ON), USA (DC, IL, MN, VA); Palaearctic: Afghanistan, Czech Republic, Germany, Great Britain, Hungary, Ireland, Israel, Italy, Poland, Romania, Slovakia, Spain.

Minilimosina (Allolimosina) albinervis. – WITHERS (2002): 118 [new record from Ireland]; ROHÁČEK et al. (2005): 339 [new record from Czech Republic, habitat]; GATT (2010): 2 [new record from Italy].

Minilimosina (A.) alloneura (Richards, 1952). **Distr.:** Palaearctic: Austria, Czech Republic, France, Great Britain, Hungary, Italy, Lebanon, Poland, Slovakia, Spain, Switzerland.

Minilimosina (Allolimosina) alloneura. – GATT (2007): 301 [new record from Lebanon]; WITHERS (2007): 147 [new record from France].

Minilimosina (A.) secundaria (Duda, 1918). **Distr.:** Palaearctic: Czech Republic, Germany, Great Britain, Hungary, Lithuania, Spain, Sweden.

Minilimosina (Allolimosina) secundaria. – ROHÁČEK et al. (2005): 339 [new record from Czech Republic, habitat]; DUMČIUS & PAKALNIŠKIS (2006): 57 [new record from Lithuania].

Subgenus *Amediella* Papp, 2008

Amediella Papp, 2008b: 110 (feminine) [as subgenus of *Minilimosina* Roháček, 1983]. Type species: *Minilimosina (Amediella) endrodyi* Papp, 2008, original designation. – PAPP (2008b): 110–111 [diagnosis, key, illustr.].

Minilimosina (A.) endrodyi Papp, 2008. **Distr.:** Afrotropical: Congo, Ghana.

Minilimosina (Amediella) endrodyi Papp, 2008b: 111 [both sexes, illustr.]. Type locality: Ghana, Sese. HT male (HNHM).

Subgenus *Minilimosina* Roháček, 1983

Minilimosina (M.) bicuspis Roháček, 1993. **Distr.:** Palaearctic: Czech Republic, Great Britain, Finland, Germany, Norway, Slovakia, Sweden, Spain.

Minilimosina (Minilimosina) bicuspis. – ROHÁČEK & VALENTINE (2002): 179 [confirmed records from Great Britain and Spain].

Minilimosina (M.) caelator Roháček, 1988. **Distr.:** Palaearctic: Cyprus, Greece (Thira).

Minilimosina (Minilimosina) caelator. – ROHÁČEK (2004b): 253 [new record from Cyprus].

Minilimosina (M.) curvispina Carles-Tolrá, 2001. **Distr.:** Palaearctic: Andorra, Czech Republic.

Minilimosina (Minilimosina) curvispina Carles-Tolrá, 2001c: 10 [both sexes, illustr.]. Type locality: Andorra, Santa Coloma. – ROHÁČEK et al. (2005): 339 [new record from Czech Republic, habitat].

Minilimosina (M.) fungicola (Haliday, 1836). **Distr.:** Nearctic: Canada (BC, NB, NT, ON, QC), USA (CO, MI, NC, WA); Palaearctic: Andorra, Azores (Portugal), Belgium, Bulgaria, Czech Republic, Denmark, Estonia, Finland, Germany, Great Britain, Hungary, ?Iceland, Ireland, Italy, Latvia, Lithuania, Madeira (Portugal), Netherlands, Norway, Poland, Slovakia, Spain, Sweden, Switzerland.

Minilimosina (Minilimosina) fungicola. – DUMČIUS & PAKALNIŠKIS (2006): 57 [new record from Lithuania]; ROHÁČEK (2007a): 106 [confirmed record from Madeira]; ROHÁČEK (2010b): 239 [Azores, confirmed].

Minilimosina (M.) gemella Roháček, 1983. **Distr.:** Nearctic: Canada (NB, ON, QC, SK), USA (MI, WV); Palaearctic: Andorra, Austria, Czech Republic, Germany, Great Britain, Ireland, Norway, Slovakia, Sweden.

Minilimosina (Minilimosina) gemella. – WITHERS (2002): 118 [new record from Ireland]; ROHÁČEK (2004c): 344 [new record from Slovakia].

Minilimosina (M.) parvula (Stenhammar, 1855). **Distr.:** Nearctic: Canada (AB, MB, NB, NS, ON, QC), USA (AK, MA, MI, NC, NH, NY, OR, PA, TN, VA, WV); Palaearctic: Andorra, Belgium, Bulgaria, Canary Is. (Spain), Czech Republic, Denmark, Finland, France, Germany, Great Britain, Hungary, Italy, Latvia, Madeira (Portugal), Norway, Poland, Portugal, Russia (SET), Slovakia, Spain, Sweden, Switzerland.

Minilimosina (Minilimosina) parvula. – ROHÁČEK et al. (2003): 56 [new record from Canary Is.]; ROHÁČEK (2007a): 106 [new record from Madeira (Portugal)]; WITHERS (2007): 147 [new record from France]; KARPA (2008): 28 [record from Latvia].

Minilimosina (M.) trogeri Roháček, 1983. **Distr.:** Nearctic: Canada (ON, QC), USA (MA, WY); Palaearctic: Austria, Slovakia, Sweden, Switzerland.

Minilimosina (Minilimosina) trogeri. – ROHÁČEK & VALENTINE (2002): 179 [deleted records from Great Britain and Spain]; ROHÁČEK (2004c): 344 [new record from Slovakia].

Subgenus *Sagittaliseta* Papp, 2008

Sagittaliseta Papp, 2008b: 113 (feminine) [as subgenus of *Minilimosina* Roháček, 1983]. Type species: *Minilimosina (Sagittaliseta) siamensis* Papp, 2008, original designation. – PAPP (2008b): 113–114 [diagnosis, key, illustr.].

Minilimosina (S.) siamensis Papp, 2008. **Distr.:** Oriental: Thailand.

Minilimosina (Sagittaliseta) siamensis Papp, 2008b: 114 [both sexes, illustr.]. Type locality: Thailand, Doi Inthanon N. P., below Haui Sai Nueng Falls. HT male (HNHM).

Subgenus *Svarciella* Roháček, 1983

Minilimosina (Svarciella). – ROHÁČEK (2010a): 112–113 [key to West Palaearctic species, illustr.].

Minilimosina (S.) bartaki Roháček, 2010. **Distr.:** Palaearctic: Czech Republic, Romania.

Minilimosina (Svarciella) bartaki Roháček, 2010a: 98 [both sexes, phylogenetic notes, illustr.]. Type locality: Czech Republic, Podyjí NP, 1.5 km SW of Havraníky, steppe, 48°48'29"N, 15°59'31"E, 340 m. HT male (SMOC).

Minilimosina (S.) egena Roháček, 1992. **Distr.:** Palaearctic: Greece (Crete), Switzerland.

Minilimosina (Svarciella) egena. – ROHÁČEK (2010a): 110 [description of female, illustr., new record from Greece (Crete)].

Minilimosina (S.) floreni Roháček & Marshall, 1985. **Distr.:** Palaearctic: Czech Republic, Slovakia, Sweden.

Minilimosina (Svarciella) floreni. – ROHÁČEK (2009a): 110 [new record from Slovakia, habitats].

Minilimosina (S.) guestphalica (Duda, 1918). **Distr.:** Palaearctic: Belgium, Czech Republic, Denmark, Estonia, Finland, France, Germany, Great Britain, Hungary, Ireland, Latvia, Norway, Poland, Romania, Russia (NET), Slovakia, Sweden, Switzerland.

Minilimosina (Svarciella) guestphalica. – WITHERS (2007): 147 [new record from France].

Minilimosina v-atrum. – KARPA (2008): 28 [misidentification, record from Latvia].

Minilimosina (S.) pujadei Carles-Tolrá, 2001. **Distr.:** Palaearctic: Andorra, Czech Republic.

Minilimosina (Svarciella) pujadei Carles-Tolrá, 2001c: 11 [male, illustr.]. Type locality: Andorra, Santa Coloma; ROHÁČEK et al. (2005): 340 [new record from Czech Republic, habitat]; ROHÁČEK (2010a): 104 [male, redescription, illustr.].

Minilimosina (S.) v-atrum (Villeneuve, 1917). **Distr.:** Palaearctic: Belgium, Czech Republic, France, Germany, Great Britain, Hungary, Italy, Poland, Russia (CET, FE), Slovakia, Sweden, Switzerland.

Minilimosina (Svarciella) v-atrum. – GATT (2006c): 68 [new record from Italy].

Minilimosina splendens. – BRUYN et al. (1997): 235 [new record from Belgium]; WITHERS (2007): 147 [new record from France].

Minilimosina (S.) vitripennis (Zetterstedt, 1847). **Distr.:** Nearctic: Canada (AB, BC, MB, NB, NF, NS, NT, ON, QC, YT), USA (AK, AZ, CA, CO, ID, NC, NH, OR, PA, UT, WA); Palaearctic: Afghanistan, Andorra, Austria, Belgium, Bulgaria, Canary Is. (Spain), Cyprus, Czech Republic, Denmark, Estonia, Faeroe Is. (Denmark), Finland, France,

Germany, Great Britain, Greece (incl. Crete), Hungary, Iceland, Ireland, Italy, Latvia, Macedonia, Madeira (Portugal), Mongolia, Netherlands, North Korea, Norway, Poland, Portugal, Romania, Russia (FE, SET, WS), Slovakia, Spain, Sweden, Switzerland.

Minilimosina vitripennis. – BLACKITH et al. (1991): 226 [new record from Ireland].

Minilimosina (Svarciella) vitripennis. – ROHÁČEK et al. (2003): 56 [new record from Canary Is.]; ROHÁČEK (2007a): 108 [new record from Madeira (Portugal)]; ROHÁČEK (2010a): 109 [new records from mainland Greece, Crete, Portugal].

***Minilimosina (S.) vixa* Marshall, 1985. Distr.:** Nearctic: Canada (NB, NS, ON), USA (ME, NH); Palaearctic: Spain.

Minilimosina vixa. – CARLES-TOLRÁ & SALOÑA (2004): 47 [new record from Spain].

Genus *Mixolimosina* Papp, 2008

Mixolimosina Papp, 2008b: 156 (feminine). Type species: *Mixolimosina orientalis* Papp, 2008a, original designation. – PAPP (2008b): 156–159 [diagnosis, key, illustr.].

***Mixolimosina orientalis* Papp, 2008. Distr.:** Oriental: Thailand.

Mixolimosina orientalis Papp, 2008b: 159 [both sexes, illustr.]. Type locality: Thailand, Mae Fang N. P. HT male (HNHM).

Genus *Monorbiseta* Papp, 2008

Monorbiseta Papp, 2008a: 161 (feminine). Type species: *Leptocera (Limosina) monorbiseta* Deeming, 1969, original designation. – PAPP (2008b): 161–163 [diagnosis, key, illustr.].

***Monorbiseta monorbiseta* (Deeming, 1969). Distr.:** Oriental: India, Nepal.

Leptocera (Limosina) monorbiseta. – ROHÁČEK et al. (2001): 289 [as unplaced species of Limosiniinae; world catalog].

Monorbiseta monorbiseta. – PAPP (2008b): 161 [generic combination, new records from India].

Genus *Opacifrons* Duda, 1918

Bispinicercia Su & Liu, 2009a: 49 (feminine). Type species: *Bispinicercia liupanensis* Su & Liu, 2009a: 50. – SU & LIU (2009a): 49 [description, illustr.]. – **syn. nov.**

Note. *Bispinicercia liupanensis* Su & Liu, 2009 clearly is a species of *Opacifrons* related to *O. coxata* (Stenhammar, 1855). Consequently, the genus *Bispinicercia* Su & Liu, 2009 is a new junior subjective synonym of *Opacifrons* Duda, 1918.

***Opacifrons coxata* (Stenhammar, 1855). Distr.:** Afrotropical: Ethiopia, Madagascar, South Africa, Zaire (all need verification); Oriental: all records doubtful; Palaearctic: Afghanistan, Andorra, Armenia, Austria, Azores (Portugal), Belgium, Bulgaria, Canary Is. (Spain), Cyprus, Czech Republic, Denmark, Egypt, Estonia, Finland, France (incl. Corsica), Germany, Great Britain, Greece (incl. Crete), Hungary, Iran, Ireland, Israel [record missing from previous catalog], Italy (incl. Sardinia), Latvia, Lithuania, Lebanon, Macedonia, Madeira (Portugal), Malta, Mongolia, Montenegro Morocco, Netherlands, Norway, Poland, Portugal, Romania, Russia (CET, ES, FE, NET, SET, WS), Serbia, Slovakia, Slovenia, Spain (incl. Balearic Is.), Sweden, Switzerland, Tadjikistan, Tunisia, Turkey.

Opacifrons coxata. – NASH (1989): 152 [new record from Ireland]; EBEJER (2003): 103 [new record from Balearic Is.]; ROHÁČEK (2004b): 254 [new record from Cyprus]; GATT (2007): 302 [new records from Lebanon, Morocco, Turkey].

Opacifrons liupanensis (Su & Liu, 2009) **comb. nov. Distr.:** Palaearctic: China (NIN).

Bispinicercia liupanensis Su & Liu, 2009a: 50 [male]. Type locality: China, Ningxia, Liu-p'an Mountians National Nature Reserve. HT male (SACS).

Opacifrons maculifrons (Becker, 1907). **Distr.:** Australasian / Oceanian: Australia (ACT, NSW, SA, WA), New Zealand; Nearctic: Canada (AB, BC, MB, ON, QC), USA (AZ, CA, CO, ID, IN, KA, MI, MT, ND, NE, NM, NV, TX, VA); Palaearctic: Algeria, Bulgaria, Czech Republic, Germany, Hungary, Iraq, Malta, Morocco, Switzerland, Tunisia.

Opacifrons maculifrons. – BÄHRMANN (2007): 64 [new record from Germany]; GATT (2007): 302 [new record from Morocco].

Genus *Opalimosina* Roháček, 1983

Opalimosina Roháček, 1983. – HAYASHI (2010): 309–310 [diagnosis, key to Japanese species, illustr.].

Subgenus *Dentilimosina* Roháček, 1983

Opalimosina (*D.*) *denticulata* (Duda, 1924). **Distr.:** Palaearctic: Andorra, Austria, Belgium, Czech Republic, Finland, Germany, Great Britain, Hungary, Italy, Latvia, Poland, Romania, Slovakia, Spain, Sweden, Switzerland.

Opalimosina denticulata. – KARPA (2008): 28 [record from Latvia].

Subgenus *Hackmanina* Roháček, 1983

Opalimosina (*H.*) *czernyi* (Duda, 1918). **Distr.:** Palaearctic: Andorra, Austria, Czech Republic, France, Germany, Great Britain, Hungary, Japan, Poland, Slovakia, Spain, Switzerland.

Opalimosina (Hackmanina) czernyi. – WITHERS (2007): 147 [new record from France]; HAYASHI (2010): 310 [diagnosis, illustr., new record from Japan].

Subgenus *Opalimosina* Roháček, 1983

Opalimosina (*O.*) *australis* Hayashi, 2009. **Distr.:** Australasian / Oceanian: Fiji, Indonesia (Waigeo Is.), Papua New Guinea; Oriental: Japan (Okinawa), Pakistan.

Opalimosina (Opalimosina) australis Hayashi, 2009a: 221 [both sexes, illustr.]. Type locality: Fiji, Viti Levu, Sigatoka. HT male (NIID). – HAYASHI (2010): 211 [diagnosis, illustr., new record from Japan: Okinawa].

Opalimosina calcarifera. – HAYASHI (1989): 64 [misidentification of specimens from Pakistan: *O. calcarifera* does not occur in Pakistan].

Opalimosina (*O.*) *collini* (Richards, 1929). **Distr.:** Palaearctic: Belgium, Czech Republic, Finland, France, Germany, Great Britain, Hungary, Italy, Japan, Latvia, North Korea, Russia (FE), Slovakia, Spain, Sweden.

Opalimosina (Opalimosina) collini. – WITHERS (2007): 147 [new record from France].

Opalimosina (*O.*) *dolichodasys* Hayashi, 2010. **Distr.:** Palaearctic: Japan.

Opalimosina (Opalimosina) dolichodasys Hayashi, 2010: 313 [both sexes, illustr.]. Type locality: Japan, Hokkaido, Ishikari, Chitose, Lake Shikotsu. HT male (NIID).

Opalimosina (*O.*) *mirabilis* (Collin, 1902). **Distr.:** Australasian / Oceanian: Australia (ACT, NSW, WA), Hawaii (USA), New Zealand. Nearctic: Canada (AB, BC, MB, NB, NS, ON, QC, SK), USA (AR, CA, CO, CT, FL, GA, IL, IN, KY, MA, MI, MS, NC, ND,

NH, NJ, NM, NY, OH, OR, TN, TX, VA, WA, WY); Neotropical: Argentina, Brazil, Chile, Colombia, Costa Rica, Mexico (VRC); Oriental: Japan (Okinawa), ?Nepal, Pakistan; Palaearctic: Andorra, Austria, Azores (Portugal), Belgium, Bulgaria, Canary Is. (Spain), Cyprus, Czech Republic, Denmark, Finland, France, Germany, Great Britain, Greece, Hungary, Iran, Ireland, Italy, Japan, Latvia, Lebanon, Madeira (Portugal), Malta, Mongolia, Morocco, Netherlands, North Korea, Norway, Poland, Romania, Russia (CET, FE, NET, WS), Slovakia, Spain, Sweden, Switzerland, Tunisia, Turkey.

Opalimosina (Opalimosina) mirabilis. – NASH (1989): 152 [new record from Ireland]; ROHÁČEK (2004b): 254 [new record from Cyprus]; GATT (2007): 302 [new records from Lebanon, Morocco, Turkey]; HAYASHI (2010): 215 [diagnosis, illustr., new record from Japan: Okinawa].

***Opalimosina (O.) monticola* Hayashi, 2010. Distr.:** Palaearctic: Japan.

Opalimosina (Opalimosina) monticola Hayashi, 2010: 315 [both sexes, illustr.]. Type locality: Japan, Honshu, Nagano, Azumi Village, Norikuradake Mt. HT male (NIID).

***Opalimosina (O.) spathulata* Hayashi, 2010. Distr.:** Oriental: Japan (Okinawa); Palaearctic: Japan.

Opalimosina (Opalimosina) spathulata Hayashi, 2010: 317 [both sexes, illustr.]. Type locality: Japan, Okinawa, Ishigaki Is., Banna. HT male (NIID).

Subgenus *Pappiella* Roháček, 1983

***Opalimosina (P.) liliputana* (Rondani, 1880). Distr.:** Nearctic: Canada (BC, NB, NF, NS, ON), USA (MT, WA, WV, WY); Palaearctic: Andorra, Austria, Belgium, Bulgaria, Czech Republic, Denmark, Finland, France, Germany, Great Britain, Hungary, Italy, Latvia, Lebanon, Madeira (Portugal), Netherlands, Norway, Poland, Romania, Russia (CET, FE), Slovakia, Spain, Sweden, Switzerland.

Opalimosina (Pappiella) liliputana. – GATT (2007): 302 [new record from Lebanon]; ROHÁČEK (2007a): 108 [new record from Madeira (Portugal)].

Opalimosina liliputana. – KARPA (2008): 28 [record from Latvia].

Genus *Papualimosina* Hayashi, 2006

Papualimosina Hayashi, 2006a: 225 (feminine). Type species: *Leptocera (Scotophilella) longidiscoidalis* Duda, 1925, original designation. – HAYASHI (2006a): 225–229 [diagnosis, phylogenetic notes, illustr.].

***Papualimosina longidiscoidalis* (Duda, 1925). Distr.:** Australasian / Oceanian: Papua New Guinea.

Leptocera (Scotophilella) longidiscoidalis. – ROHÁČEK et al. (2001): 290 [as unplaced species of Limosiniinae; world catalog].

Papualimosina longidiscoidalis. – HAYASHI (2006a): 226 [generic combination, both sexes, redescription, illustr.].

Genus *Papuellicesa* Koçak & Kemal, 2010

Papuellicesa Koçak & Kemal, 2010: 6 (feminine) [nom. nov. for *Papuella* Richards, 1973]. Type species: *Leptocera (Papuella) scrobifera* Richards, 1973, automatic.

Papuella Richards, 1973: 360 (feminine) [as subgenus of *Leptocera* Olivier, 1813; a junior homonym of *Papuella* Strohecker, 1956 (Coleoptera)]. Type species: *Leptocera (Papuella) scrobifera* Richards, 1973, original designation.

Papuellicesa scrobifera (Richards, 1973). **Distr.:** Australasian / Oceanian: Papua New Guinea.

Papuella scrobifera. – ROHÁČEK et al. (2001): 185 [world catalog].

Papuellicesa scrobifera. – KOČAK & KEMAL (2010): 6 [generic combination].

Genus *Paracuminiseta* Papp, 2008

Paracuminiseta Papp, 2008b: 150 (feminine). Type species: *Paracuminiseta tetraspinosa* Papp, 2008, original designation. – PAPP (2008b): 150–151 [diagnosis, key, illustr.].

Paracuminiseta tetraspinosa Papp, 2008. **Distr.:** Afrotropical: Guinea, Ghana.

Paracuminiseta tetraspinosa Papp, 2008b: 151 [both sexes, illustr.]. Type locality: Guinea, Coyah. HT male (HNHM).

Genus *Paralimosina* Papp, 1973

Paralimosina albipes Hayashi, 1994. **Distr.:** Oriental: Malaysia, Nepal, Thailand.

Paralimosina albipes. – HAYASHI (2008a): 17 [new record from Thailand]; Hayashi 2008b: 157 [new record from Malaysia].

Paralimosina altimontana (Roháček, 1977). **Distr.:** Oriental: Nepal, Pakistan, Thailand.

Paralimosina altimontana. – HAYASHI (2008a): 18 [new record from Thailand].

Paralimosina atrimarginata Hayashi, 2008. **Distr.:** Oriental: Malaysia.

Paralimosina atrimarginata Hayashi, 2008b: 157 [both sexes, illustr.]. Type locality: Malaysia, Pahang, Cameron Highlands, Tanaha Rata [1,400 m]. HT male (NIID).

Paralimosina bracteata Roháček & Papp, 1988. **Distr.:** Oriental: Nepal, Thailand.

Paralimosina bracteata. – HAYASHI (2008a): 18 [new record from Thailand].

Paralimosina brevis Roháček & Papp, 1988. **Distr.:** Oriental: Nepal, Thailand.

Paralimosina brevis. – HAYASHI (2008a): 18 [new record from Thailand].

Paralimosina cavata Hayashi, 1994. **Distr.:** Oriental: Nepal, Pakistan, Thailand.

Paralimosina cavata. – HAYASHI (2008a): 19 [new record from Thailand].

Paralimosina choochotei Hayashi, 2008. **Distr.:** Oriental: Thailand.

Paralimosina choochotei Hayashi, 2008a: 19 [male only, illustr.]. Type locality: Thailand, Doi Inthanon, [1,150 m]. HT male (NIID).

Paralimosina confusa Hayashi, 1994. **Distr.:** Oriental: Nepal, Thailand.

Paralimosina confusa. – HAYASHI (2008a): 20 [new record from Thailand].

Paralimosina hamata Hayashi, 2008. **Distr.:** Oriental: Malaysia.

Paralimosina hamata Hayashi, 2008b: 159 [both sexes, illustr.]. Type locality: Malaysia, Pahang, Cameron Highlands, Tanaha Rata [1,400 m]. HT male (NIID).

Paralimosina fucata (Rondani, 1880). **Distr.:** Palaearctic: Algeria, Andorra, Austria, Belgium, Bulgaria, Croatia, Czech Republic, Denmark, France (incl. Corsica), Germany, Great Britain, Hungary, Iran, Italy, Latvia, Macedonia, ?North Korea, Poland, Slovakia, Spain, Sweden, Switzerland, Tunisia.

Paralimosina fucata. – GATT (2006b): 190–191 [anepisternum, male 5th sternite, illustr.].

Paralimosina kinabalensis Hayashi, 2007. **Distr.:** Oriental: Malaysia (Borneo).

Paralimosina kinabalensis Hayashi, 2007b: 221 [both sexes, illustr.]. Type locality: Malaysia, Sabah, Borneo, Mt Kinabalu, Paka, [3,080 m]. HT male (SMJM).

- Paralimosina longitricha*** Hayashi, 2008. **Distr.:** Oriental: Malaysia, Thailand.
Paralimosina longitricha Hayashi, 2008a: 20 [male only, illustr.]. Type locality: Thailand, Doi Inthanon, 1,150 m. HT male (NIID). – HAYASHI (2008b): 161 [mid tibia illustr., new record from Malaysia].
- Paralimosina maculipennis*** Hayashi, 2008. **Distr.:** Oriental: Malaysia, Thailand.
Paralimosina maculipennis Hayashi, 2008a: 22 [both sexes, illustr.]. Type locality: Thailand, Doi Inthanon, 1,700 m. HT male (NIID). – HAYASHI (2008b): 161 [male 6th sternite illustr., new record from Malaysia].
- Paralimosina marshalli*** Roháček & Papp, 1988. **Distr.:** Oriental: Nepal, Thailand.
Paralimosina marshalli. – HAYASHI (2008a): 24 [new record from Thailand].
- Paralimosina megaloba*** Hayashi, 1994. **Distr.:** Oriental: Malaysia, Nepal, Pakistan.
Paralimosina megaloba. – HAYASHI (2008b): 162 [new record from Malaysia].
- Paralimosina pallens*** Hayashi, 2008. **Distr.:** Oriental: Malaysia (Malaya, Borneo).
Paralimosina pallens Hayashi, 2008b: 162 [both sexes, illustr.]. Type locality: Malaysia, Sabah, Borneo, Tambunan, [1,650 m]. HT male (NIID).
- Paralimosina persimilis*** Hayashi, 2008. **Distr.:** Oriental: Thailand.
Paralimosina persimilis Hayashi, 2008a: 24 [both sexes, illustr.]. Type locality: Thailand, Chiang Dao, [1,200 m]. HT male (NIID).
- Paralimosina subcibrata*** (Roháček, 1977). **Distr.:** Palaearctic: Austria, Czech Republic, France, Hungary, Italy, Montenegro, Romania, Slovakia, Spain, Sweden.
Paralimosina subcibrata. – CARLES-TOLRÁ et al. (2006): 102 [new record from Spain].
- Paralimosina trichopyga*** (Richards, 1952). **Distr.:** Palaearctic: Austria, Czech Republic, France, Germany, Russia (SET), Slovakia, Switzerland.
Paralimosina trichopyga. – KRIVOKHATSKY & NARTSHUK (2007): 157 [new record from Russia (SET)].
- Paralimosina undulata*** Hayashi, 2008. **Distr.:** Oriental: Thailand.
Paralimosina undulata Hayashi, 2008a: 26 [both sexes, illustr.]. Type locality: Thailand, Doi Inthanon [1,150 m]. HT male (NIID).

Genus *Paramera* Papp, 2008

- Paramera* Papp, 2008b: 78 (feminine). Type species: *Paramera robusta* Papp, 2008, original designation. – PAPP (2008b): 78–79 [diagnosis, key, illustr.].
- Paramera ornata*** Papp, 2008. **Distr.:** Oriental: Vietnam.
Paramera ornata Papp, 2008b: 79 [unique female, illustr.]. Type locality: Vietnam, Thanh Loc. HT female (HNHM).
- Paramera robusta*** Papp, 2008. **Distr.:** Oriental: Thailand, Vietnam.
Paramera robusta Papp, 2008b: 80 [both sexes, illustr.]. Type locality: Thailand, Mae Fang N. P. HT male (HNHM).

Genus *Paraminilimosina* Papp, 2008

- Paraminilimosina* Papp, 2008b: 56 (feminine). Type species: *Paraminilimosina miraculisterna* Papp, 2008, original designation. – PAPP (2008b): 56–62 [diagnosis, key, illustr.].
- Paraminilimosina miraculisterna*** Papp, 2008. **Distr.:** Oriental: Thailand.
Paraminilimosina miraculisterna Papp, 2008b: 59 [both sexes, illustr.]. Type locality: Thailand, Mae Ta Man elephant park, 45 km N from Chiang Mai. HT male (HNHM).
- Paraminilimosina elephantis*** Papp, 2008. **Distr.:** Oriental: Thailand.
Paraminilimosina elephantis Papp, 2008b: 57 [both sexes, illustr.]. Type locality: Thailand, Mae Taeng Elephant Camp, 50 km N of Chiang Mai. HT male (HNHM).

Genus *Parapoecilosomella* Papp, 2008

Parapoecilosomella Papp, 2008b: 95 (feminine). Type species: *Limosina lusingana* Vanschuytbroeck, 1959, original designation. – PAPP (2008b): 95–97 [diagnosis, key, illustr.].

Parapoecilosomella lusingana (Vanschuytbroeck, 1959). **Distr.:** Afrotropical: Congo.

Poecilosomella lusingana. – ROHÁČEK et al. (2001): 203 [world catalog].

Parapoecilosomella lusingana. – PAPP (2008b): 97 [male, illustr., generic combination].

Genus *Parapterogramma* Papp, 2008

Parapterogramma Papp, 2008b: 97 (neuter, erroneously given as feminine in the original description). Type species: *Parapterogramma asiatica* Papp, 2008, original designation. – PAPP (2008b): 97–98 [diagnosis, key, illustr.].

Parapterogramma asiaticum Papp, 2008. **Distr.:** Oriental: Thailand.

Parapterogramma asiatica Papp, 2008b: 99 [both sexes, illustr., incorrect species name termination]. Type locality: Thailand, Trang Prov., Khao Chong Botanic Garden. HT male (HNHM).

Genus *Parasclerocoelus* Marshall & Dong, 2008

Parasclerocoelus Marshall & Dong, 2008: 224 (male). Type species: *Leptocera (Scotophilella) mediospinosa* Duda, 1925, original designation. – MARSHALL & DONG (2008): 224 [both sexes, illustr.].

Parasclerocoelus mediospinosus (Duda, 1925). **Distr.:** Afrotropical: South Africa; Australasian / Oceanian: Australia, New Zealand; Neotropical: Argentina, Chile, Juan Fernández Is. (Chile); South Atlantic: Tristan da Cunha.

Leptocera (Scotophilella) mediospinosa Duda, 1925: 182 [both sexes, illustr.]. Type locality: Chile, Santiago. LT male, designated by MARSHALL & DONG (2008): 229 (SMTD). – ROHÁČEK et al. (2001): 290 [as unplaced species of Limosininae; world catalog]; PAPP (2008b): 177, 179 [notes on female syntypes, postabdomen illustr.].

Parasclerocoelus mediospinosus. – MARSHALL & DONG (2008): 224 [generic combination, redescription, both sexes, illustr., new records].

Genus *Pellucialula* Papp, 2004

Pellucialula Papp, 2004a: 109 (feminine). Type species: *Pellucialula polyseta* Papp, 2004, original designation. – PAPP (2004a): 109 [diagnosis, illustr.]; PAPP (2008b): 178 [female terminalia, correction of description].

Pellucialula polyseta Papp, 2004. **Distr.:** Oriental: Indonesia (Kalimantan).

Pellucialula polyseta Papp, 2004a: 106 [both sexes, illustr.]. Type locality: Indonesia, W. Kalimantan, Gunung Palang National Park. HT male (ROME).

Genus *Phthitia* Enderlein, 1938

Note. We here follow ROHÁČEK et al. (2001) in using ROHÁČEK's (1983) division of the genus into subgenera rather than MARSHALL & SMITH's (1992) division of the genus into monophyletic species groups, despite our differences of opinion about the utility and stability of formal subgenera in the Sphaeroceridae. The recent addition of a further subgenus, *Rufolimosina* Papp, 2008 probably renders the subgenus *Kimosina* paraphyletic.

Subgenus *Alimosina* Roháček, 1983

Phthitia (A.) empirica (Hutton, 1901). **Distr.:** Australasian / Oceanian: Australia (ACT), Hawaii (USA), New Zealand (incl. Auckland Is., Campbell I., Snares Is.); Nearctic: Canada (NF, SK), USA (AZ, CA, NM); Neotropical: Argentina, Juan Fernández Is. (Chile), Falkland Is.; Palearctic: Austria, Azores (Portugal), Belgium, Czech Republic, Denmark, Faeroe Is. (Denmark), Finland, France, Germany, Great Britain, Hungary, Iceland, Ireland, Japan, Latvia, Netherlands, Norway, Slovakia, Sweden.

Kimosina empirica. – VALENTINE et al. (1991): 105 [new record from Ireland].

Phthitia empirica. – HAYASHI (2005c): 9 [new record from Japan]; KARPA (2008): 28 [record from Latvia].

Phthitia (Alimosina) empirica. – ZATWARNICKY (2007): 214 [record from Poland].

Subgenus *Kimosina* Roháček, 1983

Phthitia (K.) bicornis Su & Liu, 2009. **Distr.:** Palaearctic: China (NIN).

Phthitia bicornis Su & Liu, 2009c: 476 [male only]. Type locality: China, Ningxia Prov. HT male (SACS).

Phthitia (K.) ciliata (Duda, 1918). **Distr.:** Palaearctic: Algeria, Cyprus, Israel, Italy (Sicily), Tunisia.

Phthitia (Kimosina) ciliata. – ROHÁČEK (2007a): 116 [deleted record from Madeira].

Phthitia ciliata. – ROHÁČEK (2010b): 239 [deleted record from Azores].

Phthitia (K.) emarginata Marshall, 2009. **Distr.:** Australasian / Oceanian: New Zealand.

Phthitia emarginata Marshall, 2009 in MARSHALL et al. (2009): 50. Type locality: New Zealand, Banks Peninsula. HT male (NZAC).

Phthitia (K.) glabrescens (Villeneuve, 1917). **Distr.:** Palaearctic: Greece, Italy (incl. Sicily), Romania, Serbia.

Phthitia (Kimosina) glabrescens. – SU & LIU (2009c): 475 [misrecorded from China (NIN), see below under *P. pteremoides*].

Phthitia (K.) longisetosa (Dahl, 1909). **Distr.:** Palaearctic: Austria, Belgium, Bulgaria, Czech Republic, Denmark, Estonia, Finland, France, Germany, Great Britain, Hungary, Iran, Ireland, Italy, Latvia, Lithuania, Macedonia, Montenegro, Netherlands, Norway, Poland, Russia (WS), Slovakia, Spain, Sweden, Turkey.

Phthitia (Kimosina) longisetosa. – NASH (1989): 152 [new record from Ireland].

Phthitia longisetosa. – GATT (2007): 302 [new record from Turkey].

Phthitia (K.) plesiocercus Marshall, 2009. **Distr.:** Australasian / Oceanian: New Zealand.

Phthitia plesiocercus Marshall, 2009 in MARSHALL et al. (2009): 49. Type locality: New Zealand, Lake Taupo. HT male (NZAC).

Phthitia (K.) plumosula (Rondani, 1880). **Distr.:** Afrotropical: ?Ethiopia; Nearctic: Canada (NB, NS, ON), USA (CT, MD, PA, VA, WI); Neotropical: Chile, ?Ecuador; Palaearctic: Andorra, Austria, Azores (Portugal), Belgium, Bosnia and Herzegovina, Bulgaria, China (HEB), Canary Is. (Spain), Cyprus, Czech Republic, Denmark, Estonia, Finland, France (incl. Corsica), Germany, Great Britain, Greece, Hungary, Iceland, Ireland, Italy (incl. Sardinia), Latvia, Macedonia, Madeira (Portugal), Montenegro, Netherlands, Norway, Poland, Romania, Russia (CET, FE), Slovakia, Spain (incl. Balearic Is.), Sweden, Switzerland, Tunisia, Turkey; South Atlantic: Gough I.

Phthitia (Kimosina) plumosula. – WITHERS (2002): 118 [new record from Ireland]; EBEJER (2003): 104 [new record from Balearic Is.]; ROHÁČEK (2004b): 254 [new record from Cyprus]; GATT (2007): 302 [new records from Greece, Tunisia, Turkey].

Phthitia (K.) pteremoides (Papp, 1973). **Distr.:** Palaearctic: Afghanistan, China (MON, NIN), Iran, Mongolia, Spain, Tadjikistan, United Arab Emirates.

Phthitia (Kimosina) pteremoides. – GATT (2008): 700 [new record from United Arab Emirates].

Phthitia (Kimosina) glabrescens. – SU & LIU (2009c): 475 [misidentification, new record from China (NIN)].

Phthitia (K.) sicana (Munari, 1988). **Distr.:** Palaearctic: Cyprus, Italy (Sicily), Malta, Morocco, Tunisia.

Phthitia (Kimosina) sicana. – ROHÁČEK (2004b): 254 [new record from Cyprus]; GATT (2007): 303 [new records from Morocco, Tunisia].

Subgenus *Rufolimosina* Papp, 2008

Rufolimosina Papp, 2008a: 117 (feminine) [as subgenus of *Phthitia* Enderlein, 1938]. Type species: *Phthitia* (*Rufolimosina*) *ornata* Papp, 2008, original designation. – PAPP (2008a): 117–118 [diagnosis, key, illustr.].

Phthitia* (R.) *ornata Papp, 2008. **Distr.:** Oriental: Thailand.

Phthitia (*Rufolimosina*) *ornata* Papp, 2008b: 118 [both sexes, illustr.]. Type locality: Thailand, Fang, Mae Fang National Park, Doi Pha Hom Pok. HT male (HNHM).

Phthitia* (R.) *oswaldi Papp, 2008. **Distr.:** Oriental: Taiwan, Vietnam, Thailand.

Leptocera (*Scotophilella*) *rufa* Duda, 1925: 172. – ROHÁČEK et al. (2001): 291 [as species incertae sedis, noted as junior primary homonym of *Leptocera* (*Thoracochoeta*) *rufa* Spuler, 1925].

Phthitia (*Rufolimosina*) *oswaldi* Papp, 2008b: 120 [new name for *Leptocera* (*Scotophilella*) *rufa* Duda, 1925, generic combination, male genitalia, illustr.].

Genus *Piliterga* Papp, 2008

Piliterga Papp, 2008b: 63 (feminine). Type species: *Piliterga thaii* Papp, 2008, original designation. – PAPP (2008b): 63 [diagnosis, key, illustr.].

Piliterga thaii Papp, 2008. **Distr.:** Oriental: Thailand, Vietnam, India.

Piliterga thaii Papp, 2008b: 64 [both sexes, illustr.]. Type locality: Thailand, Prov. Fang, 5 km N of Mae Ai. HT male (HNHM).

Genus *Poecilosomella* Duda, 1925

Poecilosomella Duda, 1925. – HAYASHI (2002): 121–127 [illustr.]; PAPP (2002a): 107–155 [key to the Oriental species, illustr.]; DONG et al. (2006): 643–655 [review of the species from China, key, illustr.]; PAPP (2010): 10–40 [Afrotropical species, key, illustr.].

Poecilosomella aciculata (Deeming, 1969). **Distr.:** Oriental: China (GDO), India (West Bengal), Indonesia (Flores, Lombok), Japan (Okinawa), Nepal, Sri Lanka, Palaeartic: Japan.

Poecilosomella aciculata. – HAYASHI (2005c): 9 [new record from Japan: Okinawa]; DONG et al. (2006): 644 [key, redescription, new record from China, illustr.].

Poecilosomella additionalis Papp, 2010. **Distr.:** Afrotropical: South Africa.

Poecilosomella additionalis Papp, 2010: 11 [both sexes, illustr.]. Type locality: South Africa, Natal, Pietermaritzburg. HT male (HNHM).

Poecilosomella affinis Hayashi, 2002. **Distr.:** Australasian / Oceanian: Irian Jaya, Papua New Guinea; Oriental: India, Indonesia (Java), Japan (Okinawa), Malaysia, Nepal, Singapore, Sri Lanka, Taiwan, Thailand, Vietnam.

Poecilosomella affinis Hayashi, 2002: 121 (both sexes, illustr.). Type locality: Sri Lanka, Kandy. HT male (NIID). – PAPP (2002a): 118 [new record from Irian Jaya].

Poecilosomella amputata (Duda, 1925). **Distr.:** Oriental: Indonesia (Sumatra), Malaysia (Sabah), Taiwan.

Poecilosomella amputata. – PAPP (2002a): 109 [new records from Indonesia (Sumatra) and Malaysia (Sabah)].

Poecilosomella angulata (Thomson, 1869). **Distr.:** Afrotropical: Angola, Burundi, Ethiopia, Cameroon, Cape Verde Is., Congo, Gabon, Kenya, Madagascar, Malawi, Nigeria, South Africa, Tanzania, Togo, Uganda, Zaire; Australasian / Oceanian: all published records doubtful; Nearctic: USA (FL, TX); Neotropical: Bermuda, Brazil, Colombia, Costa Rica, Cuba, Dominican Republic, Haiti, Mexico (GUE, HID, MEX, MOR, OXA,

PUE, QRE, SIN, SLP, VRC), Paraguay, Peru, Puerto Rico, Santa Lucia, St. Vincent; Palaearctic: Canary Is. (Spain), Morocco.

Poecilosomella angulata. – GATT (2007): 303 [new record from Morocco]; PAPP (2010): 23 [new record from Ghana].

Poecilosomella annulitibia (Deeming, 1969). **Distr.:** Oriental: Nepal, Taiwan.

Poecilosomella annulitibia. – PAPP (2002a): 109 [new record from Taiwan].

Poecilosomella biseta Dong, Yang & Hayashi, 2006. **Distr.:** Oriental: China (GDO, GUI, ZHE).

Poecilosomella biseta Dong, Yang & Hayashi, 2006: 650 [male, key, illustr.]. Type locality: China, Guangdong, Nanling National Nature Reserve. HT male (BAUC).

Poecilosomella borboroides (F. Walker, 1860). **Distr.:** Oriental: India (Assam, Orissa), Indonesia (Celebes, Java, Sulawesi, Sumatra), Malaysia (Sabah), Philippines (Luzon), Sri Lanka, Taiwan.

Poecilosomella borboroides. – PAPP (2002a): 111 [taxonomy, key, illustr., new records from Sumatra and Malaysia (Sabah)]; HAYASHI (2006c): 101 [new record from Sulawesi].

Poecilosomella borborus Papp, 2002. **Distr.:** Oriental: Bangladesh, Indonesia (Bali, Java), Malaysia (Malaya, Borneo), Philippines, Singapore, Taiwan, Thailand. Australasian: Papua New Guinea.

Poecilosomella borborus Papp, 2002a: 119 [both sexes, key, illustr.]. Type locality: Philippines, Negros, Cuernos de Negros, 7 km W Valencia [700 m]. HT male (ROME). – HAYASHI (2006c): 101 [new records from Bangladesh, Indonesia (Bali, Java), Malaysia (Malaya, Borneo), Papua New Guinea, Singapore, Taiwan, Thailand].

Poecilosomella brevisecunda Papp, 2002. **Distr.:** Oriental: Indonesia (Sumatra).

Poecilosomella brevisecunda Papp, 2002a: 120 [both sexes, key, illustr.]. Type locality: Indonesia, Sumatra, Aceh, Gunung Leuser National Park, Ketambe Research Station [350 m]. HT male (ROME).

Poecilosomella capensis Papp, 1990. **Distr.:** Afrotropical: South Africa, Zimbabwe.

Poecilosomella capensis. – PAPP (2010): 16 [new record from Zimbabwe].

Poecilosomella conspicua Papp, 2002. **Distr.:** Oriental: Malaysia.

Poecilosomella conspicua Papp, 2002a: 122 [both sexes, key]. Type locality: Malaysia, Sabah, 1 km S. Kundasang [1,530 m]. HT male (USNM).

Poecilosomella curvipes Papp, 2002. **Distr.:** Oriental: Taiwan.

Poecilosomella curvipes Papp, 2002a: 123 [male, key]. Type locality: Taiwan, Ilan Hsien, Fu-shan. HT male (HNHM).

Poecilosomella duploseriata Papp, 2010. **Distr.:** Afrotropical: South Africa.

Poecilosomella duploseriata Papp, 2010: 29 [both sexes, illustr.]. Type locality: South Africa, Natal. HT male (HNHM).

Poecilosomella formosana Papp, 2002. **Distr.:** Oriental: Bangladesh, Indonesia (Java), Japan (Okinawa), Laos, Malaysia (Malaya, Borneo), Nepal, Philippines, Taiwan, Thailand, Vietnam.

Poecilosomella formosana Papp, 2002a: 124 [both sexes, key, illustr.]. Type locality: Taiwan, Ilan Hsien, Fu-shan. HT male (HNHM). – HAYASHI (2006c): 101 [new records from Bangladesh, Indonesia (Java), Japan (Ryukyu I.), Laos, Malaysia (Malaya, Borneo), Nepal, Philippines, Thailand, Vietnam].

Poecilosomella furcata (Duda, 1925). **Distr.:** Oriental: China (HAI, YUN), Malaysia (Sabah), Taiwan, Vietnam.

Poecilosomella furcata. – PAPP (2002a): 116 [new record from Malaysia (Sabah)]; DONG et al. (2006): 646 [key, redescription, new record from China, illustr.].

Poecilosomella guangdongensis Dong, Yang & Hayashi, 2006. **Distr.:** Oriental: China (GDO).

Poecilosomella guangdongensis Dong, Yang & Hayashi, 2006: 652 (male, key, illustr.). Type locality: China, Guangdong, Nanling National Nature Reserve. HT male (BAUC).

Poecilosomella hayashii Papp, 2002. **Distr.:** Oriental: Philippines.

Poecilosomella hayashii Papp, 2002a: 125 [female, key]. Type locality: Philippines, Negros, Cuernos de Negros, 7 km W Valencia [700 m]. HT female (ROME).

Poecilosomella kittenbergeri Papp, 2010. **Distr.:** Afrotropical: Tanzania, Uganda.

Poecilosomella kittenbergeri Papp, 2010: 19 [both sexes, illustr.]. Type locality: Tanzania, Kibosho, 1,600 m. HT male (HNHM).

Poecilosomella longecostata. – PAPP (1990b): 145 (in part., misidentification).

Poecilosomella longicalcar Papp, 2002. **Distr.:** Oriental: Taiwan.

Poecilosomella longicalcar Papp, 2002a: 126 [both sexes, key, illustr.]. Type locality: Taiwan, Nantou Hsien, Meifeng [2,130 m]. HT male (CMNH).

Poecilosomella longichaeta Dong, Yang & Hayashi, 2007. **Distr.:** Oriental: China (GX).

Poecilosomella longichaeta Dong, Yang & Hayashi., 2007a: 331 [male, illustr.]. Type locality: China, Guangxi, Nonggang. HT male (BAUC).

Poecilosomella longinervis (Duda, 1925). **Distr.:** Oriental: Burma, China (FUL, GDO, HUB, TIB, YUN, ZHE), India (Mizoram, Uttaranchal), Malaysia (Sabah), Nepal, Pakistan, Taiwan.

Poecilosomella longinervis. – PAPP (2002a): 116 [new records from Malaysia (Sabah) and Pakistan]; DONG et al. (2006): 647 [key, redescription, illustr.]. **Note.** Not Afrotropical; record from Zaire is misidentification.

Poecilosomella mejerei (Duda, 1925). **Distr.:** Oriental: Indonesia (Java, Sumatra).

Poecilosomella mejerei. – PAPP (2002a): 116 [taxonomical notes, illustr., new record from Sumatra].

Poecilosomella mirabilis Vanschuytbroeck, 1951. **Distr.:** Afrotropical: Nigeria, Sudan, Togo, Uganda, Zaire.

Poecilosomella mirabilis. – PAPP (2010): 23 [new record from Togo].

Poecilosomella multipunctata (Duda, 1925). **Distr.:** Oriental: India, Indonesia (Flores, Lombok, Sumbawa), Malaysia (Sabah), Philippines (Luzon, Mindoro, Palawan), Taiwan.

Poecilosomella multipunctata. – PAPP (2002a): 117 [new record from Malaysia (Sabah)].

Poecilosomella nepalensis (Deeming, 1969). **Distr.:** Oriental: Nepal, India (West Bengal), Pakistan.

Poecilosomella nepalensis. – PAPP (2002a): 117 [new record from Pakistan].

Poecilosomella nigra Papp, 2002. **Distr.:** Oriental: Sri Lanka, Taiwan.

Poecilosomella nigra Papp, 2002a: 129 [both sexes, key, illustr.]. Type locality: Taiwan, Pingtung Hsien, Kenting, Heng-Chun Tropical Botanical Garden. HT male (HNHM).

Poecilosomella occulta Papp, 2010. **Distr.:** Afrotropical: South Africa.

Poecilosomella occulta Papp, 2010: 21 [both sexes, illustr.]. Type locality: South Africa, Eastern Cape Province. HT male (HNHM).

Poecilosomella ornata (de Meijere, 1908). **Distr.:** Oriental: Indonesia (Java, Kalimantan, Sumatra), Laos, Singapore, Sri Lanka, Taiwan.

Limosina ornata de Meijere, 1908: 177.

Limosina venalicia var. *ornata*. – DE MEIJERE (1918): 323 [incorrect synonymy].

Leptocera (*Poecilosomella*) *borbroides*. – DEEMING (1964): 166 [incorrect synonymy].

Poecilosomella ornata. – PAPP (2002a): 113 [restitution from synonymy, key, illustr., new records from Indonesia (Kalimantan, Sumatra)]. – HAYASHI (2006c): 102 [new records from Laos, Singapore, Sri Lanka].

- Poecilosomella paraciculata*** Papp, 2002. **Distr.:** Oriental: Indonesia (Sumatra).
Poecilosomella paraciculata Papp, 2002a: 131 [both sexes, key, illustr.]. Type locality: Indonesia, W. Sumatra, Kerinci-Seblat National Park, trail to L. Tujuh [1,640 m]. HT male (ROME).
- Poecilosomella paracryptica*** Papp, 2002. **Distr.:** Oriental: Malaysia (Sabah).
Poecilosomella paracryptica Papp, 2002a: 133 [both sexes, key, illustr.]. Type locality: Malaysia, Sabah, Kinabalu National Park, Headquarters area [1,560 m]. HT male (USNM).
- Poecilosomella parangulata*** Papp, 2010. **Distr.:** Afrotropical: South Africa.
Poecilosomella parangulata Papp, 2010: 24 [both sexes, illustr.]. Type locality: South Africa, Eastern Cape Province. HT male (HNHM).
- Poecilosomella pallidimana*** (Duda, 1925). **Distr.:** Afrotropical: South Africa, Ethiopia, Tanzania, Uganda, Zaire, Zimbabwe, Madagascar.
Poecilosomella pallidimana. – PAPP (2010): 14 [redescription, both sexes, illustr., new record from South Africa].
- Poecilosomella peniculifera*** Papp, 2002. **Distr.:** Oriental: Indonesia (Sumatra).
Poecilosomella peniculifera Papp, 2002a: 134 [both sexes, key]. Type locality: Indonesia, W. Sumatra, Kerinci-Seblat National Park, trail to L. Tujuh [1,640 m]. HT male (ROME).
- Poecilosomella picturata*** (Malloch, 1913). **Distr.:** Oriental: Malaysia (Malaya, Borneo), Philippines.
Limosina picturata. – DUDA (1925): 88 [incorrect synonymy with *Leptocera (Poecilosomella) ornata* (de Meijere, 1908)].
Poecilosomella picturata. – PAPP (2002a): 115 [restitution from synonymy, key, illustr.]; HAYASHI (2006c): 102 [new records from Malaysia (Malaya, Borneo)].
- Poecilosomella pilimana*** Papp, 2002. **Distr.:** Oriental: Indonesia (Sumatra).
Poecilosomella pilimana Papp, 2002a: 135 [both sexes, key, illustr.]. Type locality: Indonesia, Sumatra, Gunung Leuser National Park, Ketambe Research Station [350 m]. HT male (ROME).
- Poecilosomella pilipino*** Papp, 2002. **Distr.:** Oriental: Philippines.
Poecilosomella pilipino Papp, 2002a: 137 [male, key, illustr.]. Type locality: Philippines, Negros, Cuernos de Negros, 7 km W Valencia [700 m]. HT male (ROME).
- Poecilosomella punctipennis*** (Wiedemann, 1824). **Distr.:** Australasian / Oceanian: American Samoa, ?Australia (QLD), ?Guam (USA), Fiji, French Polynesia, Hawaii (USA), Indonesia (Irian Jaya), ?Micronesia (Yap Is.), New Caledonia, ?Niue, ?Palau (USA), Papua New Guinea, Tonga; Oriental: Bangladesh, India, Indonesia, Japan (Okinawa), Malaysia, Nepal, Pakistan, Philippines (Leyte), Sri Lanka, Taiwan, Vietnam. Palaeartic: China (FUJ, GDO, HKG, Macao), Japan. **Note.** All records published prior to 2002 are doubtful (see HAYASHI 2002 and PAPP 2002a: 118) and all Afrotropical records are based on misidentifications.
Poecilosomella punctipennis. – HAYASHI (2002): 121 [new records from Bangladesh, Malaysia, Pakistan]; PAPP (2002a): 118 [new records from French Polynesia, Indonesia]; DONG et al. (2006): 649 [key, redescription, new record from China, illustr.]; GERLACH (2009): 387 [misrecorded from Seychelles].
- Poecilosomella rectinervis*** (Duda, 1925). **Distr.:** Oriental: Burma, Indonesia (Java, Sumatra), Taiwan.
Poecilosomella rectinervis. – PAPP (2002a): 118 [new records from Indonesia (Sumatra) and Taiwan].
- Poecilosomella ronkayi*** Papp, 2002. **Distr.:** Oriental: Taiwan.
Poecilosomella ronkayi Papp, 2002a: 139 [male, key]. Type locality: Taiwan, Ilan Hsien, Fu-Sahn. HT male (HNHM).

Poecilosomella sabahi Papp, 2002. **Distr.:** Oriental: Malaysia (Sabah).

Poecilosomella sabahi Papp, 2002a: 140 [male, key, illustr.]. Type locality: Malaysia, Sabah, Kinabalu National Park, Poring [570 m]. HT male (USNM).

Poecilosomella setimanus Papp, 2010. **Distr.:** Afrotropical: Congo.

Poecilosomella setimanus Papp, 2010: 33 [both sexes, illustr.]. Type locality: Congo, Brazzaville. HT male (HNHM).

Poecilosomella setosissima Papp, 2010. **Distr.:** Afrotropical: South Africa.

Poecilosomella setosissima Papp, 2010: 35 [both sexes, illustr.]. Type locality: South Africa, Eastern Cape Province. HT male (HNHM).

Poecilosomella spinicauda Papp, 2002. **Distr.:** Australasian / Oceanian: French Polynesia (Tahiti), Tonga; Oriental: Philippines.

Poecilosomella spinicauda Papp, 2002a: 141 [both sexes, key, illustr.]. Type locality: Philippines, Negros, Cuernos de Negros, 7 km W Valencia [700 m]. HT male (ROME).

Poecilosomella spinipes Papp, 2002. **Distr.:** Oriental: Indonesia (Sumatra).

Poecilosomella spinipes Papp, 2002a: 143 [both sexes, key]. Type locality: Indonesia, Sumatra, Gunung Leuser National Park, Ketambe Research Station [350 m]. HT male (ROME).

Poecilosomella subpilimana Papp, 2002. **Distr.:** Oriental: Indonesia (Sumatra).

Poecilosomella subpilimana Papp, 2002a: 145 [male, key, illustr.]. Type locality: Indonesia, Sumatra, Kerinci-Seblat National Park, trail to L. Tujuh [1,640 m]. HT male (ROME).

Poecilosomella tridens Dong, Yang & Hayashi, 2007. **Distr.:** Oriental: China (YUN).

Poecilosomella tridens Dong, Yang & Hayashi., 2007a: 332 [male, phylogeny notes, illustr.]. Type locality: China, Yunnan, Xishuangbanna, Mengla, Wangtianshu. HT male (BAUC).

Genus *Pseudacuminiseta* Papp, 2008

Pseudacuminiseta Papp, 2008b: 164 (feminine). Type species: *Pseudacuminiseta formosana* Papp, 2008, original designation. – PAPP (2008b): 164 [diagnosis, key, illustr.].

Pseudacuminiseta formosana Papp, 2008. **Distr.:** Oriental: Taiwan.

Pseudacuminiseta formosana Papp, 2008b: 164 [both sexes, illustr.]. Type locality: Taiwan, Pingtung Hsien, Kenting, Heng-Chun Trop. Botanical Garden. HT male (HNHM).

Genus *Pseudaspiniimosina* Papp, 2008

Pseudaspiniimosina Papp, 2008: 66 (feminine). Type species: *Pseudaspiniimosina tanzan* Papp, 2008, original designation. – PAPP (2008b): 66–67 [diagnosis, key, illustr.].

Pseudaspiniimosina tanzan Papp, 2008. **Distr.:** Afrotropical: Tanzania.

Pseudaspiniimosina tanzan Papp, 2008b: 68 [both sexes, illustr.]. Type locality: Tanzania, Morogoro region, Mikumi National Park. HT male (HNHM).

Genus *Pseudocollinella* Duda, 1924

Pseudocollinella humida (Haliday, 1836). **Distr.:** Afrotropical: ?Madagascar, ?Zaire; Palaearctic: Afghanistan, Algeria, Andorra, Armenia, Austria, Belgium, Bulgaria, Czech Republic, Denmark, Estonia, Faeroe Is. (Denmark), Finland, France (incl. Corsica), Germany, Great Britain, Greece, Hungary, Iceland, Ireland, Israel [record missing from previous catalog], Italy (incl. Pantelleria I., Sardinia), Kazakhstan, Latvia, Lebanon, Lithuania, Malta, Mongolia, Netherlands, Norway, Poland, Romania, Russia (CET, FE,

NET, SET, WS), Slovakia, Slovenia, Spain (incl. Balearic Is.), Sweden, Switzerland, Tadjikistan, Tunisia.

Pseudocollinella humida. – EBEJER (2003): 104 [new record from Balearic Is.]; GATT (2007): 303 [new records from Greece, Lebanon]; ROHÁČEK (2010b): 239 [records from Azores deleted].

Opacifrons humida. – KARPA (2008): 28 [record from Latvia].

Pseudocollinella jorlii (Carles-Tolrá, 1990). **Distr.:** Palaearctic: Algeria, Azores (Portugal), Canary Is. (Spain), Cyprus, Great Britain, Italy (incl. Sardinia, Sicily), Madeira (Portugal), Malta, Morocco, Portugal, Slovakia, Spain, Tunisia, Turkey.

Pseudocollinella jorlii. – GATT (2001b): 197 [new record from Great Britain: Wales]; ROHÁČEK (2004b): 255 [new record from Cyprus]; GATT (2007): 303 [new records from Tunisia, Turkey]; ROHÁČEK (2007a): 110 [new record from Madeira (Portugal)].

Pseudocollinella septentrionalis (Stenhammar, 1855). **Distr.:** Palaearctic: Bulgaria, Denmark, Estonia, Finland, France, Germany, Great Britain, Hungary, Latvia, Mongolia, Norway, Poland, Romania, Russia (?CET, ES, FE, NET, WS), Switzerland, Sweden.

Leptocera septentrionalis. – PANTELEeva (2005): 493 [doubtful record from Russia: CET].

Opacifrons septentrionalis. – KARPA (2008): 28 [record from Latvia].

Genus *Pseudopterogramma* Papp, 2008

Pseudopterogramma Papp, 2008a: 99 (neuter, erroneously given as feminine in the original description). Type species *P. siamensis* Papp, 2008, original designation. – PAPP (2008a): 99–102 [diagnosis, key, illustr.].

Note. PAPP (2008b) erected the new genus *Pseudopterogramma* for *Pterogramma insulare* Papp, 1972 and one new Oriental species, without consideration of the other Pacific and Oriental species previously treated as *Pterogramma* beyond mentioning that “*Leptocera (Poecilosomella) conica* Richards ... may belong here”, and without recognising that SMITH & MARSHALL (2004) treated *P. insulare* and *P. conicum* as part of the same undescribed genus, along with *P. deeringi*, *P. brevivinosum*, *P. annectens*, and *P. aestivale*. We here treat *P. annectens* (Richards, 1964), *P. brevivinosum* (Tenorio, 1967), and *P. conicum* (Richards, 1946) as new combinations in *Pseudopterogramma*, while recognising that this entire group needs to be revised (see also notes under *Pterogramma*).

Pseudopterogramma annectens (Richards, 1964) **comb. nov.** **Distr.:** Australasian / Oceanian: Indonesia (Biak Is.), Papua New Guinea, Solomon Is. (Russell Is.).

Leptocera (Pterogramma) annectens Richards, 1964: 609 [both sexes, illustr.]. Type locality: Indonesia, Biak Island. HT male (CASC).

Pterogramma annectens. – ROHÁČEK et al. (2001): 212 [world catalog, synonymy].

Pseudopterogramma brevivinosum (Tenorio, 1967) **comb. nov.** **Distr.:** Australasian / Oceanian: French Polynesia (Marquesas, Tahiti, Tubuai Is.), Hawaii (USA), Samoa, Tonga.

Leptocera (Limosina) brevivinosa Tenorio, 1967: 425 [both sexes, illustr.]. Type locality: Hawaii, Oahu. HT male (BPBM).

Pterogramma brevivinosum. – ROHÁČEK et al. (2001): 212 [world catalog, synonymy].

Pseudopterogramma conicum (Richards, 1946) **comb. nov.** **Distr.:** Australasian / Oceanian: Caroline, Guam (USA), Micronesia (Ponape), Palau (USA), Papua New Guinea.

Leptocera (Poecilosomella) conica Richards, 1946: 130 [male]. Type locality: Guam, Pago. HT male (USNM).

Pterogramma conicum. – ROHÁČEK et al. (2001): 213 [world catalog, synonymy].

Pseudopterogramma siamense Papp, 2008. **Distr.:** Oriental: Thailand.

Pseudopterogramma siamensis Papp, 2008b: 102 [males, illustr., incorrect species name termination]. Type locality: Thailand, Doi Inthanon N. P., below Haui Sai Nueng Falls. HT male (HNHM).

Pseudopteroqramma insulare (Papp, 1972). **Distr.:** Australasian / Oceanian: Papua New Guinea; Oriental: Indonesia.

Pterogramma insulare. – ROHÁČEK et al. (2001): 213 [world catalog, synonymy].

Pseudopteroqramma insularis. – PAPP (2008b): 101 [generic combination, incorrect species name termination].

Genus *Pteremis* Rondani, 1856

Pteremis fenestralis (Fallén, 1820). **Distr.:** Palaearctic: Andorra, Austria, Belgium, Bulgaria, Czech Republic, Denmark, Estonia, Finland, France, Germany, Great Britain, Hungary, Ireland, Italy (incl. Sicily), Latvia, Madeira (Portugal), Netherlands, Norway, Poland, Portugal, Russia (CET, FE), Slovakia, Spain, Switzerland, Sweden.

Pteremis fenestralis. – GATT (2006c): 69 [new record from Sicily]; ROHÁČEK (2007a): 110 [new record from Madeira (Portugal)].

Genus *Pterogramma* Spuler, 1923

Pterogramma Spuler, 1923. – SMITH & MARSHALL (2004): 3–163 [redescription, taxonomy, phylogeny, key, illustr.].

Note. ROHÁČEK et al. (2001) included several Pacific species in *Pterogramma* “on an interim basis only” and referred to a manuscript (later published by SMITH & MARSHALL 2004) showing that the Pacific species previously included in *Pterogramma* form an unnamed clade without close relationship to *Pterogramma*. SMITH & MARSHALL (2004) redefine *Pterogramma* as an almost entirely Neotropical group, and state that the Pacific species previously included in this group, “along with several undescribed congeners, will be dealt with under a new generic name in the future”. Now that PAPP (2008b) has erected the new genus *Pseudopteroqramma* for one of the “Pacific *Pterogramma*” we here treat the entire clade of “Pacific *Pterogramma*” as *Pseudopteroqramma*, as further discussed under that genus. There remains an immense number (certainly several hundred) of undescribed Neotropical *Pterogramma* species.

Pterogramma adustum Smith & Marshall, 2004. **Distr.:** Neotropical. Dominican Republic.

Pterogramma adustum Smith & Marshall, 2004: 36 [both sexes, phylogeny, key, illustr.]. Type locality: Dominican Republic, La Ciénega. HT male (DEBU).

Pterogramma ancora Smith & Marshall, 2004. **Distr.:** Neotropical: Ecuador.

Pterogramma ancora Smith & Marshall, 2004: 30 [both sexes, phylogeny, key, illustr.]. Type locality: Ecuador, Napo, Baeza. HT male (DEBU).

Pterogramma aquatile Smith & Marshall, 2004. **Distr.:** Nearctic: USA (FL). Neotropical: Dominican Republic.

Pterogramma aquatile Smith & Marshall, 2004: 45 [both sexes, phylogeny, key, illustr.]. Type locality: USA, Florida, Monroe Co., Everglades National Park, Royal Palm Hammock. HT male (DEBU).

Pterogramma atronanicum Smith & Marshall, 2004. **Distr.:** Neotropical: Venezuela.

Pterogramma atronanicum Smith & Marshall, 2004: 33 [both sexes, phylogeny, key, illustr.]. Type locality: Venezuela, Lara, Yacambú. HT male (DEBU).

Pterogramma cardisomi Norrbom & Kim, 1984. **Distr.:** Neotropical: Costa Rica.

Pterogramma cardisomi. – SMITH & MARSHALL (2004): 55 [redescription, phylogeny, illustr.].

Pterogramma costaphiletrix Smith & Marshall, 2004. **Distr.:** Neotropical: Panama.

Pterogramma costaphiletrix Smith & Marshall, 2004: 40 [both sexes, phylogeny, key, illustr.]. Type locality: Panama [Canal Zone], Gamboa. HT male (AMNH).

Pterogramma flaviceps Smith & Marshall, 2004. **Distr.:** Neotropical: St. Kitts.

Pterogramma flaviceps Smith & Marshall, 2004: 26 [both sexes, phylogeny, key, illustr.]. Type locality: St. Kitts, Saint Thomas Middle Island, Wingfield Estate, Wingfield Mountain. HT male (DEBU).

- Pterogramma gilviventre*** Smith & Marshall, 2004. **Distr.:** Neotropical: Costa Rica, Ecuador, Mexico (CHI), Panama, Venezuela.
Pterogramma gilviventre Smith & Marshall, 2004: 35 [both sexes, phylogeny, key, illustr.]. Type locality: Costa Rica, [Puntarenas], Monteverde Reserve, [1,500 m]. HT male (originally stated as DEBU, repatriated to INBC).
- Pterogramma infernaiceps*** Smith & Marshall, 2004. **Distr.:** Neotropical: Ecuador.
Pterogramma infernaiceps Smith & Marshall, 2004: 42 [both sexes, phylogeny, key, illustr.]. Type locality: Ecuador, Pichincha, 47 km S Santo Domingo [de los Colorados], Río Palenque Station. HT male (DEBU).
- Pterogramma jubar*** Smith & Marshall, 2004. **Distr.:** Neotropical: Brazil, Ecuador, Guyana, Peru, Venezuela.
Pterogramma jubar Smith & Marshall, 2004: 44 [both sexes, phylogeny, key, illustr.]. Type locality: Peru, Madre de Dios, Zona Reserva Manú, Pakitza. HT male (DEBU).
- Pterogramma lobosternum*** Smith & Marshall, 2004. **Distr.:** Neotropical: Cuba, Dominican Republic, Puerto Rico, St. Martin, St. Kitts, Virgin Islands.
Pterogramma lobosternum Smith & Marshall, 2004: 47 [both sexes, phylogeny, key, illustr.]. Type locality: Dominican Republic, [Barahona], [near] Cabo Rojo. HT male (DEBU).
- Pterogramma luridobregma*** Smith & Marshall, 2004. **Distr.:** Neotropical: Brazil.
Pterogramma luridobregma Smith & Marshall, 2004: 27 [both sexes, phylogeny, key, illustr.]. Type locality: Brazil, Rio de Janeiro. HT male (originally stated as DEBU, repatriated to UNSP).
- Pterogramma luxor*** (Spuler, 1925). **Distr.:** Neotropical: Costa Rica.
Pterogramma luxor. – SMITH & MARSHALL (2004): 52 [redescription, phylogeny, illustr.].
- Pterogramma madare*** (Spuler, 1925). **Distr.:** Neotropical: Costa Rica.
Pterogramma madare. – SMITH & MARSHALL (2004): 38 [redescription, phylogeny, illustr.].
- Pterogramma meridionale*** (Malloch, 1914). **Distr.:** Neotropical: Costa Rica.
Pterogramma meridionale. – SMITH & MARSHALL (2004): 38 [redescription, phylogeny, illustr.].
- Pterogramma monticola*** (Malloch, 1914). **Distr.:** Neotropical: Costa Rica.
Pterogramma monticola. – SMITH & MARSHALL (2004): 48 [redescription, phylogeny, illustr.].
- Pterogramma morretense*** Smith & Marshall, 2004. **Distr.:** Neotropical: Brazil.
Pterogramma morretense Smith & Marshall, 2004: 27 [both sexes, phylogeny, key, illustr.]. Type locality: Brazil, Paraná, Morretes, 5 km S Sapidontuva. HT male (originally stated as DEBU, repatriated to UNSP).
- Pterogramma nexoverpa*** Smith & Marshall, 2004. **Distr.:** Neotropical: Ecuador.
Pterogramma nexoverpa Smith & Marshall, 2004: 31 [both sexes, phylogeny, key, illustr.]. Type locality: Ecuador, Napo, El Chaco. HT male (DEBU).
- Pterogramma nigrotibiale*** Smith & Marshall, 2004. **Distr.:** Neotropical: Costa Rica.
Pterogramma nigrotibiale Smith & Marshall, 2004: 49. Type locality: Costa Rica, Heredia, [Puerto Viejo], La Selva Biological Station. HT male (USNM).
- Pterogramma ochrofrons*** Smith & Marshall, 2004. **Distr.:** Neotropical: Belize, Costa Rica, Guyana, Mexico (CAM, CHI, NAY, OXA, QNR, SIN, SLP, VRC), Panama, Trinidad.
Pterogramma ochrofrons Smith & Marshall, 2004: 23 [both sexes, phylogeny, key, illustr.]. Type locality: Costa Rica, Puerto Viejo, La Selva Verde. HT male (originally stated as DEBU, repatriated to INBC).
- Pterogramma palliceus*** (C. W. Johnson, 1915). **Distr.:** Nearctic: Canada (ON), USA (AR, FL, GA, IN, LA, MD, MS, NC, NJ, NY, PA, SC, TN, TX, VA).
Pterogramma palliceus. – SMITH & MARSHALL (2004): 22 [redescription, phylogeny, illustr.].
- Pterogramma parameridionale*** (Duda, 1925). **Distr.:** Neotropical: Brazil.
Pterogramma parameridionale. – SMITH & MARSHALL (2004): 55 [“species dubia”; generic placement confirmed but species not recognisable].

- Pterogramma poecilopterus*** (Malloch, 1914). **Distr.:** Neotropical: Costa Rica.
Pterogramma poecilopterus. – SMITH & MARSHALL (2004): 53 [redescription, phylogeny, illustr.].
- Pterogramma portulense*** Smith & Marshall, 2004. **Distr.:** Nearctic: USA (AZ); Neotropical: Belize, Costa Rica, Guatemala, Mexico (CHI, MIC).
Pterogramma portulense Smith & Marshall, 2004: 29 [both sexes, phylogeny, key, illustr.]. Type locality: USA, Arizona, [Cochise Co.], 5 mi SW Portal. HT male (DEBU).
- Pterogramma rutilans*** (Duda, 1925). **Distr.:** Neotropical: Argentina, Brazil, Paraguay, Peru, Trinidad.
Pterogramma rutilans. – SMITH & MARSHALL (2004): 51 [redescription, phylogeny, illustr.].
- Pterogramma simplicicrus*** (Duda, 1925). **Distr.:** Neotropical: Paraguay.
Pterogramma simplicicrus. – SMITH & MARSHALL (2004): 56 [“species dubia”; generic placement confirmed but species not recognisable].
- Pterogramma stictopenne*** Smith & Marshall, 2004. **Distr.:** Neotropical: Costa Rica.
Pterogramma stictopenne Smith & Marshall, 2004: 54 [both sexes, phylogeny, key, illustr.]. Type locality: Costa Rica, [Puntarenas], Braulio Carrillo National Park, 1,400–1,500 m. HT male (originally stated as DEBU, repatriated to INBC).
- Pterogramma sublugubrinum*** (Malloch, 1912). **Distr.:** Neotropical: Grenada, St. Vincent.
Pterogramma sublugubrinum. – SMITH & MARSHALL (2004): 25 [redescription, phylogeny, illustr.].
- Pterogramma substitutum*** (Richards, 1961). **Distr.:** Neotropical: Dominican Republic, Jamaica, Puerto Rico, St. Kitts, Virgin Is.
Pterogramma substitutum. – SMITH & MARSHALL (2004): 20 [redescription, phylogeny, illustr.].
- Pterogramma substriatum*** (Duda, 1925). **Distr.:** Neotropical: Costa Rica, Guatemala, Mexico (CHI, OXA).
Pterogramma substriatum. – SMITH & MARSHALL (2004): 41 [redescription, phylogeny, illustr.].
- Pterogramma vittatum*** (Malloch, 1914). **Distr.:** Neotropical: Costa Rica.
Pterogramma vittatum. – SMITH & MARSHALL (2004): 49 [redescription, phylogeny, illustr.].

Genus *Pullimosina* Roháček, 1983

Pullimosina Roháček, 1983: 98. – HAYASHI (2006a): 265–272 [diagnosis, taxonomy, key to Japanese species, illustr.].

Subgenus *Dahlimosina* Roháček, 1983

- Pullimosina (D.) dahli*** (Duda, 1918). **Distr.:** Nearctic: Canada (NS, ON); Palaearctic: Czech Republic, Finland, Germany, Great Britain, Latvia, Norway, Poland, Russia (NET), Slovakia, Sweden.
Pullimosina (Dahlimosina) dahli. – ROHÁČEK (2006a): 156 [new record from Slovakia].

Subgenus *Pullimosina* Roháček, 1983

Pullimosina Roháček, 1983: 98. – HAYASHI (2006a): 265–272 [diagnosis, taxonomy, key, illustr.].

- Pullimosina (P.) heteroneura*** (Haliday, 1836). **Distr.:** Afrotropical: Cape Verde Is., Uganda, South Africa; Australasian / Oceanian: Australia (ACT, NSW, QLD, VIC), Hawaii (USA), New Zealand; Nearctic: Canada (AB, BC, MB, NB, ON, QC), USA (AZ, CA, IL, MA, MD, NC, NJ, NM, NY, OR, TX, UT, WY); Neotropical: Argentina, Bermuda, Ecuador, Mexico (BCN); Oriental: Taiwan; Palaearctic: Afghanistan, Algeria, Andorra, Austria, Azores (Portugal), Belgium, Bulgaria, Canary Is. (Spain),

Cyprus, Czech Republic, Denmark, Egypt, Estonia, Finland, France, Greece (incl. Crete), Hungary, Iceland, Ireland, Israel, Italy (incl. Pantelleria I., Sardinia, Sicily), Japan, Latvia, Lebanon, Lithuania, Macedonia, Madeira (Portugal), Malta, Morocco, Netherlands, Norway, Poland, Portugal, Romania, Russia (CET, FE, NET), Slovakia, Slovenia, Spain (incl. Balearic Is.), Sweden, Switzerland, Tadjikistan, Tunisia, United Arab Emirates; South Atlantic: Gough I.

Pullimosina (Pullimosina) heteroneura. – CARLES-TOLRÁ & PUJADE-VILLAR (2003): 176 [new record from Andorra]; GATT (2007): 303 [new records from Lebanon, Morocco]; GATT (2008): 700 [new record from United Arab Emirates]; PAKALNIŠKIS et al. (2006): 112 [record from Lithuania].

Pullimosina heteroneura. – HAYASHI (2006a): 266 [key, illustr.].

Pullimosina (P.) kivuensis (Vanschuytbroeck, 1950). **Distr.:** Afrotropical: Zaire.

Limosina (Limosina) kivuensis. – ROHÁČEK et al. (2001): 289 [catalog, as species incerta sedis].

Pullimosina kivuensis. – PAPP (2008b): 178 [new combination].

Pullimosina (P.) mejerei (Duda, 1918). **Distr.:** Palaearctic: Austria, Czech Republic, Denmark, Finland, France, Germany, Great Britain, Hungary, Italy, Latvia, Netherlands, Svalbard Is. (Norway), Poland, Slovakia, Sweden, Switzerland.

Pullimosina (Pullimosina) mejerei. – KAHANPÄÄ (2008): 51 [new record from Finland].

Pullimosina mejerei. – KARPA (2008): 28 [record from Latvia].

Pullimosina (P.) moesta (Villeneuve, 1918). **Distr.:** Nearctic: all records are doubtful; Palaearctic: Belgium, Czech Republic, Denmark, Finland, France, Germany, Great Britain, Hungary, Latvia, Netherlands, Poland, Russia (CET, NET), Slovakia, Sweden, Spain.

Pullimosina antennata. – KARPA (2008): 28 [record from Latvia].

Pullimosina (Pullimosina) antennata. – ROHÁČEK & BEUK (2002): 295 [record from Netherlands].

Pullimosina (P.) pullula (Zetterstedt, 1847). **Distr.:** Afrotropical: all records are doubtful; Australasian / Oceanian: Hawaii (USA), New Zealand; Nearctic: Canada (AB, BC, NB, NS, ON, QC, SK), USA (IL, MA, MI, MN, NC, NH, NY); Palaearctic: Austria, Belgium, Cyprus, Czech Republic, Estonia, Finland, France, Germany, Great Britain, Hungary, Italy, Japan, Latvia, Netherlands, Norway, Poland, Romania, Russia (CET, NET, SET, WS), Slovakia, Spain, Sweden, Switzerland.

Pullimosina pullula. – HAYASHI (2006a): 267 [diagnosis, key, new record from Japan, illustr.].

Pullimosina (Pullimosina) pullula. – ROHÁČEK (2004b): 256 [new record from Cyprus].

Pullimosina (P.) ryukyuensis Hayashi, 2006. **Distr.:** Oriental: Japan (Okinawa); Palaearctic: Japan.

Pullimosina (Pullimosina) ryukyuensis Hayashi 2006a: 268 [both sexes, key, illustr.]. Type locality: Japan, Okinawa, Okinawa-honto I., Yona. HT male (NIID).

Pullimosina (P.) vernalis Hayashi, 2006. **Distr.:** Palaearctic: Japan.

Pullimosina (Pullimosina) vernalis Hayashi 2006a: 268 [both sexes, key, illustr.]. Type locality: Japan, Saitama, Iruma-gun, Moroyama. HT male (NIID).

Pullimosina (P.) vulgesta Roháček, 2001. **Distr.:** Oriental: ?Nepal; Palaearctic: Andorra, Austria, Azores (Portugal), Belgium, ?Canary Is. (Spain), Czech Republic, Denmark, Finland, France (incl. Corsica), Germany, Great Britain, Hungary, Ireland, Italy, Japan, Latvia, Madeira (Portugal), Montenegro, Netherlands, ?North Korea, Norway, Poland, Russia (WS), Slovakia, Slovenia, Spain, Sweden, Switzerland.

Pullimosina moesta. – BLACKITH et al. (1991): 227 [misidentification, new record from Ireland].

Pullimosina moesta. – KARPA (2008): 28 [misidentification, record from Latvia].

Pullimosina vulgesta. – HAYASHI (2006a): 271 [illustr., diagnosis, key, new record from Japan]; ROHÁČEK (2010b): 239 [record from Azores confirmed].

Pullimosina (Pullimosina) vulgesta. – ROHÁČEK (2007a): 110 [new record from Madeira (Portugal)].

***Pullimosina (P.) zayensis* Marshall, 1986. **Distr.:** Nearctic: USA (AL, FL, GA, TX); Neotropical: Argentina, Bolivia, Brazil, Dominican Republic, Galápagos Is. (Ecuador), Honduras, Jamaica, St. Kitts, Trinidad, Venezuela; Palaearctic: Canary Is. (Spain), Cyprus, Madeira (Portugal), Malta, Morocco, Portugal, Spain (incl. Balearic Is.), Tunisia.**

Pullimosina (Pullimosina) zayensis. – ROHÁČEK et al. (2003): 56 [new record from Canary Is.]; ROHÁČEK (2004b): 256 [new record from Cyprus]; GATT (2007): 303 [new record from Tunisia]; ROHÁČEK (2007a): 112 [new record from Madeira (Portugal)].

Genus *Rachispoda* Lioy, 1864

***Rachispoda acrosticalis* (Becker, 1903). **Distr.:** Afrotropical: Botswana, Cape Verde Is., Madagascar, Seychelles, South Africa, Sudan, Tanzania, Zaire; Palaearctic: Algeria, Azores (Portugal), Canary Is. (Spain), Cyprus, Egypt, Greece, Israel, Italy (incl. Sardinia, Sicily), Malta, Morocco, Spain, Tunisia, Turkey. **Note.** All Afrotropical records need verification; they probably deal with a complex of hitherto unrecognized species.**

Limosina acrostichalis. – COLLIN (1912): 101 [misspelling, first record from Seychelles].

Limosina (Limosina) acrostichalis. – GERLACH (2009): 386 [misspelling, incorrect generic placement].

Rachispoda acrosticalis. – ROHÁČEK (2004b): 256 [new record from Cyprus]; GATT (2007): 303 [new records from Morocco and Tunisia]; GATT (2006c): 69 [new record from Sardinia]; GATT (2008): 701 [new record from United Arab Emirates]; GATT (2010): 4 [new record from mainland Italy].

***Rachispoda anceps* (Stenhammar, 1855). **Distr.:** Palaearctic: Austria, Czech Republic, Finland, Germany, Great Britain, Hungary, Latvia, Poland, Russia (NET), Spain, Sweden, Switzerland.**

Leptocera anceps. – KARPA (2008): 27 [record from Latvia].

***Rachispoda breviceps* (Stenhammar, 1855). **Distr.:** Palaearctic: ?Belgium, Czech Republic, Denmark, Finland, France, Germany, ?Great Britain, Hungary, Italy, Latvia, Poland, ?Netherlands, Norway, Serbia, Slovakia, Sweden.**

Rachispoda breviceps. – GRAYSON (2006): 134 [doubtfull record from Great Britain: England]; WITHERS (2007): 147 [confirmed from France].

Leptocera breviceps. – KARPA (2008): 27 [record from Latvia].

***Rachispoda brevior* (Roháček, 1991). **Distr.:** Palaearctic: Austria, Bulgaria, Czech Republic, Great Britain, Greece (Crete), Hungary, Israel, Italy (incl. Sardinia, Sicily), Malta, Montenegro, Morocco, Portugal, Romania, Serbia, Slovakia, Spain (incl. Balearic Is.), Tunisia.**

Rachispoda brevior. – GATT (2006c): 69 [new record from mainland Italy]; CARLES-TOLRÁ & VENTURA (2008): 278 [new record from Spain: Balearic Is.]; CARLES-TOLRÁ & ROSADO (2009): 346 [new record from Portugal].

***Rachispoda cilifera* (Rondani, 1880). **Distr.:** Afrotropical: all records doubtful; Palaearctic: Albania, Austria, Bulgaria, Czech Republic, Hungary, Italy, Latvia, Poland, Russia (CET, ?FE), Serbia, Slovakia.**

Leptocera cilifera. – KARPA (2008): 27 [record from Latvia].

Rachispoda cryptochaeta (Duda, 1918). **Distr.:** Palaearctic: Denmark, France, Germany, Great Britain, Ireland, Latvia, ?Russia (CET), Spain, Sweden.

Leptocera (Rachispoda) cryptochaeta. – VALENTINE et al. (1991): 105 [new record from Ireland].

Leptocera cryptochaeta. – PANTELEVA (2005): 492 [doubtful record from Russia: CET]; KARPA (2008): 27 [record from Latvia].

Rachispoda cryptochaeta. – WITHERS (2007): 147 [new record from France].

Rachispoda duodecimseta (Papp, 1973). **Distr.:** Palaearctic: Afghanistan, Algeria, Israel, Italy (Sicily), Mongolia, Morocco, Tadjikistan, Tunisia.

Leptocera (Rachispoda) duodecimseta. – GATT (2007): 304 [new record from Tunisia].

Rachispoda fuscipennis (Haliday, 1833). **Distr.:** Afrotropical: Madagascar, Namibia, Saudi Arabia, Socotra (Yemen), Zaire; Australasian / Oceanian: Australia (NSW), Guam (USA), Hawaii (USA), New Zealand; Oriental: Taiwan; Nearctic: Canada (BC, MB, NS, ON, SK), USA (CA, FL, GA, MA, NY); Neotropical: Bahamas, Bermuda, Galápagos Is. (Ecuador), Mexico (SIN); Palaearctic: Afghanistan, Algeria, Austria, Azerbaidjan, Azores (Portugal), Belgium, Bulgaria, Canary Is. (Spain), Cyprus, Czech Republic, Denmark, Egypt, Finland, France (inc. Corsica), Germany, Great Britain, Greece, Iraq, Ireland, Israel, Italy (incl. Sardinia, Sicily), Latvia, Japan, Jordan, Kirghizia, Malta, Mongolia, Morocco, Netherlands, Norway, Poland, Portugal, Romania, Russia (SET), Serbia, Slovakia, Spain (incl. Balearic Is.), Sweden, Switzerland, Tunisia, Turkey, United Arab Emirates, Uzbekistan; South Atlantic: Saint Helena.

Rachispoda fuscipennis. – ROHÁČEK (2004b): 256 [new record from Cyprus]; GATT (2008): 701 [new record from United Arab Emirates].

Rachispoda gel (Papp, 1978). **Distr.:** Palaearctic: Afghanistan, Armenia, Austria, Cyprus, Czech Republic, Germany, Great Britain, Greece, Hungary, Israel, Italy, Malta, Morocco, Poland, Portugal, Slovakia, Spain (incl. Balearic Is.), Sweden, Tadjikistan, Tunisia.

Rachispoda gel. – ROHÁČEK (2004b): 256 [new record from Cyprus]; GATT (2007): 304 [new record from Morocco]; CARLES-TOLRÁ & VENTURA (2008): 278 [new record from Spain: Balearic Is.].

Rachispoda hostica (Villeneuve, 1917). **Distr.:** Afrotropical: record from Zaire doubtful; Palaearctic: Afghanistan, Albania, Austria, Bulgaria, Czech Republic, Finland, Hungary, Iran, Italy, Latvia, Mongolia, Montenegro, Poland, Romania, Russia (SET), Slovakia, Sweden, Tadjikistan, Turkey.

Leptocera hostica. – KARPA (2008): 28 [record from Latvia].

Rachispoda iberica (Roháček, 1991). **Distr.:** Palaearctic: Portugal, Spain.

Rachispoda iberica. – CARLES-TOLRÁ & ROSADO (2009): 346–347 [female, illustr., new record from Portugal].

Rachispoda kabuli (Papp, 1978). **Distr.:** Palaearctic: Afghanistan, Algeria, Bulgaria, Canary Is. (Spain), Cyprus, Germany, Great Britain, Greece, Israel, Italy (incl. Sardinia, Sicily), Malta, Morocco, Portugal, Romania, Spain (incl. Balearic Is.), Tunisia.

Rachispoda kabuli. – GATT (2007): 304 [new record from Greece].

Rachispoda lagura (Roháček, 1991). **Distr.:** Palaearctic: Afghanistan, Algeria, Azerbaidjan, Cyprus, Egypt, Iran, Israel, Italy, Mongolia, Tunisia, United Arab Emirates, Uzbekistan.

Rachispoda lagura. – ROHÁČEK (2004b): 257 [new record from Cyprus]; GATT (2008): 701 [new record from United Arab Emirates]; GATT (2010): 3 [new record from Italy].

Rachispoda limosa (Fallén, 1820). **Distr.:** Afrotropical: all records doubtful; Nearctic: Canada (AB, BC, MB, NB, NS, ON, QC), USA (CA, CO, IA, ID, IL, IN, KS, MD, MI, MS, MT, NC, NH, NV, NY, OH, OR, PA, TN, UT, WA, WV, WY). Palaearctic: Afghanistan, Algeria, Austria, Belgium, Bulgaria, Canary Is. (Spain), Croatia, Czech Republic, Denmark, Egypt, Finland, France (incl. Corsica), Georgia, Germany, Great Britain, Hungary, Ireland [record missing from previous catalog], Italy (incl. Sicily), Latvia, Lithuania, Netherlands, Norway, Poland, Romania, Russia (CET, FE, NET, SET), Serbia, Slovakia, Spain, Sweden, Switzerland, Tadjikistan, Tunisia, Uzbekistan.

Rachispoda longior (Roháček, 1991). **Distr.:** Palaearctic: Austria, Bulgaria, Czech Republic, Estonia, Germany, Great Britain, Greece (incl. Corfu), Hungary, Israel, Italy (incl. Sardinia, Sicily), Romania, Slovakia, Spain (incl. Balearic Is.), Sweden, Tadjikistan, Tunisia.

Rachispoda longior. – GATT (2007): 304 [new record from Tunisia].

Rachispoda lutosa (Stenhammar, 1855). **Distr.:** Nearctic: Canada (MB), USA (AK); Palaearctic: Austria, Belgium, Bulgaria, Czech Republic, Denmark, Estonia, Finland, France, Germany, Great Britain, Greece, Hungary, Iceland, Ireland, Italy, Japan, Latvia, Lithuania, Montenegro, Netherlands, North Korea, Norway, Poland, Romania, Russia (CET, FE, NET, SET, WS), Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey.

Leptocera (Rachispoda) lutosa. – NASH et al. (2001): 193 [record from Ireland].

Rachispoda lutosa. – GATT (2007): 304 [new record from Greece].

Rachispoda lutoidea (Duda, 1938). **Distr.:** Palaearctic: Afghanistan, Algeria, Austria, Belgium, Bulgaria, Canary Is. (Spain), Czech Republic, Denmark, Finland, France, Germany, Great Britain, Greece, Hungary, Iran, Ireland, Israel, Italy (incl. Sardinia, Sicily), Latvia, Lebanon, Lithuania, Malta, Montenegro, Morocco, Poland, Portugal, Romania, Russia (CET, SET, ?WS), Serbia, Slovakia, Spain, Sweden, Switzerland, ?Tadjikistan, Tunisia, Turkey.

Leptocera (Rachispoda) lutoidea. – NASH (1989): 152 [new record from Ireland].

Rachispoda lutoidea. – GATT (2007): 304 [new record from Lebanon].

Leptocera lutoidea. – KARPA (2008): 28 [record from Latvia].

Rachispoda modesta (Duda, 1924). **Distr.:** Palaearctic: Afghanistan, Algeria, Armenia, Austria, Belgium, Bulgaria, Canary Is. (Spain), Croatia, Czech Republic, Cyprus, Germany, Great Britain, Greece, Hungary, Italy (incl. Sardinia, Sicily), Iraq, Iran, Israel, Latvia, Lebanon, Montenegro, Morocco, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain (incl. Balearic Is.), Sweden, Tadjikistan, Tunisia, Turkey, Uzbekistan.

Leptocera (Rachispoda) modesta. – GATT (2007): 304 [new records from Lebanon, Morocco].

Leptocera modesta. – KARPA (2008): 28 [record from Latvia].

Rachispoda opinata (Roháček, 1991). **Distr.:** Palaearctic: Czech Republic, Great Britain, Hungary, Italy, Slovakia.

Rachispoda opinata. – GATT (2010): 3 [new record from Italy].

Rachispoda pseudohostica (Duda, 1924). **Distr.:** Afrotropical: record from Zaire very doubtful; Palaearctic: Austria, Czech Republic, Hungary, Italy, Mongolia, Romania, Russia (FE), Slovakia, Turkey.

Rachispoda pseudohostica. – GATT (2007): 304 [new record from Turkey].

Rachispoda segem (Roháček, 1991). **Distr.:** Palaearctic: Austria, Bulgaria, Czech Republic, Hungary, Italy, Poland, Russia (NET), Slovakia, Spain, Switzerland.

Rachispoda segem. – GATT (2006a): 75 [new record from Switzerland].

Rachispoda uniseta (Roháček, 1991). **Distr.:** Palaearctic: Italy, Morocco, Switzerland, Tunisia.

Rachispoda uniseta. – GATT (2006a): 75 [new record from Switzerland]; GATT (2010): 3 [new record from Italy].

Rachispoda varicornis (Strobl, 1900). **Distr.:** Afrotropical: all records doubtful; Palaearctic: Afghanistan, Algeria, Austria, Azores (Portugal), Belgium, Bosnia and Herzegovina, Bulgaria, Canary Is. (Spain), Croatia, Cyprus, Egypt, France, Great Britain, Greece (incl. Crete), Hungary, Iran, Iraq, Israel, Italy (incl. Sicily), ?Latvia, Malta, Morocco, Portugal, Romania, Spain, Tadjikistan, Tunisia, Turkey, Uzbekistan.

Rachispoda varicornis. – ROHÁČEK (2004b): 257 [new record from Cyprus].

Leptoceera varicornis. – KARPA (2008): 28 [doubtful record from Latvia].

Genus *Robustagramma* Marshall & Cui, 2005

Robustagramma Marshall & Cui, 2005: 6 (neuter). Type species *Leptoceera (Scotophilella) robusta* Spuler 1925, original designation. – MARSHALL & CUI (2005): 1–122 [diagnosis, phylogenetic notes, illustr.].

Robustagramma acutistylum Marshall & Cui, 2005. **Distr.:** Neotropical: Brazil.

Robustagramma acutistylum Marshall & Cui, 2005: 107 [both sexes, phylogeny, key, illustr.]. Type locality: Brazil, Paraná, Curitiba, 30 km SE BR277. HT male (originally stated as DEBU, repatriated to UNSP).

Robustagramma aequale Marshall & Cui, 2005. **Distr.:** Neotropical: Guyana, Venezuela.

Robustagramma aequale Marshall & Cui, 2005: 65 [both sexes, phylogeny, key, illustr.]. Type locality: Venezuela, Táchira, 57 km SE S[an] Crist[óbal], El Pinal, [1,500 ft]. HT male (originally stated as DEBU, repatriated to IZAV).

Robustagramma altifrons Marshall & Cui, 2005. **Distr.:** Nearctic: USA (FL, NJ, TX).

Robustagramma altifrons Marshall & Cui, 2005: 53 [both sexes, phylogeny, key, illustr.]. Type locality: USA, Florida, Marion Co., Road 80, Ocala National Forest. HT male (DEBU).

Robustagramma angusticauda Marshall & Cui, 2005. **Distr.:** Neotropical: Venezuela.

Robustagramma angusticauda Marshall & Cui, 2005: 96 [both sexes, phylogeny, key, illustr.]. Type locality: Venezuela, Mérida, Santa Rosa Trail. HT male (originally stated as DEBU, repatriated to IZAV).

Robustagramma angustistylum Marshall & Cui, 2005. **Distr.:** Neotropical: Honduras, Mexico (GUE, OXA).

Robustagramma angustistylum Marshall & Cui, 2005: 66 [both sexes, phylogeny, key, illustr.]. Type locality: Mexico, Guerrero, 45 km NE Ixtapa. HT male (DEBU).

Robustagramma arizonense Marshall & Cui, 2005. **Distr.:** Nearctic: USA (AZ).

Robustagramma arizonense Marshall & Cui, 2005: 55. Type locality: USA, Arizona, Cochise Co., Chiricahua Mts. [7,000 ft]. HT male (DEBU).

Robustagramma atratum Marshall & Cui, 2005. **Distr.:** Neotropical: Costa Rica.

Robustagramma atratum Marshall & Cui, 2005: 19 [both sexes, phylogeny, key, illustr.]. Type locality: Costa Rica, Puntarenas, Monteverde Biological Reserve, [1,500 m]. HT female (INBC).

- Robustagramma biangulatum*** Marshall & Cui, 2005. **Distr.:** Neotropical: Belize, Costa Rica, Guatemala, Honduras, Mexico (CAM, CHI, QNR, TAB, VRC, YUC), Panama, Peru.
Robustagramma biangulatum Marshall & Cui, 2005: 68 [both sexes, phylogeny, key, illustr.]. Type locality: Mexico, Campeche, 87 mi Escarcega [800 ft]. HT male (DEBU).
- Robustagramma binitidum*** Marshall & Cui, 2005. **Distr.:** Neotropical: Ecuador, Guyana, Venezuela.
Robustagramma binitidum Marshall & Cui, 2005: 36 [both sexes, phylogeny, key, illustr.]. Type locality: Venezuela, Bolívar, km 40 Santa Elena, Icabaru Road, [100 m]. HT male (IZAV).
- Robustagramma bolivarense*** Marshall & Cui, 2005. **Distr.:** Neotropical: Venezuela.
Robustagramma bolivarense Marshall & Cui, 2005: 43 [both sexes, phylogeny, key, illustr.]. Type locality: Venezuela, Bolívar, 135 km S El Dorado, [1,400 m]. HT male (DEBU).
- Robustagramma brasiliense*** Marshall & Cui, 2005. **Distr.:** Neotropical: Brazil.
Robustagramma brasiliense Marshall & Cui, 2005: 45 [both sexes, phylogeny, key, illustr.]. Type locality: Brazil, Pará, Belem, APEG Forest. HT male (originally stated as DEBU, repatriated to UNSP).
- Robustagramma brevicauda*** Marshall & Cui, 2005. **Distr.:** Neotropical: Ecuador, Venezuela.
Robustagramma brevicauda Marshall & Cui, 2005: 97 [both sexes, phylogeny, key, illustr.]. Type locality: Venezuela, Bolívar, km 40 Santa Elena, Icabaru Road, [100 m]. HT male (originally stated as DEBU, repatriated to IZAV).
- Robustagramma brevicilium*** Marshall & Cui, 2005. **Distr.:** Neotropical: Panama.
Robustagramma brevicilium Marshall & Cui, 2005: 21 [male, phylogeny, key, illustr.]. Type locality: Panama, Chiriquí, Lagunas, 5 km SW Hato del Volcán, [1,360 m]. HT male (DEBU).
- Robustagramma crassipalpus*** Marshall & Cui, 2005. **Distr.:** Neotropical: Belize, Mexico (TAB), Panama.
Robustagramma crassipalpus Marshall & Cui, 2005: 46 [both sexes, phylogeny, key, illustr.]. Type locality: Belize, San Ignacio, Maya Mountain Lodge. HT male (DEBU).
- Robustagramma crassisaccus*** Marshall & Cui, 2005. **Distr.:** Neotropical: Venezuela.
Robustagramma crassisaccus Marshall & Cui, 2005: 71 [both sexes, phylogeny, key, illustr.]. Type locality: Venezuela, Bolívar. HT male (originally stated as DEBU, repatriated to IZAV).
- Robustagramma cultriforme*** Marshall & Cui, 2005. **Distr.:** Neotropical: Argentina, Brazil.
Robustagramma cultriforme Marshall & Cui, 2005: 99. Type locality: Brazil, Paraná, Curitiba, 30 km SE BR277. HT male (originally stated as DEBU, repatriated to UNSP).
- Robustagramma dilatatum*** Marshall & Cui, 2005. **Distr.:** Neotropical: Brazil.
Robustagramma dilatatum Marshall & Cui, 2005: 31 [both sexes, phylogeny, key, illustr.]. Type locality: Brazil, Paraná, Londrina, Mata dos Godoy. HT male (originally stated as DEBU, repatriated to UNSP).
- Robustagramma disjunctum*** Marshall & Cui, 2005. **Distr.:** Neotropical: Costa Rica, Guatemala, Honduras, Mexico (CHI, OXA, PUE), Panama.
Robustagramma disjunctum Marshall & Cui, 2005: 109 [both sexes, phylogeny, key, illustr.]. Type locality: Costa Rica, Puntarenas, Monteverde. HT male (INBC).
- Robustagramma flavistylum*** Marshall & Cui, 2005. **Distr.:** Neotropical: Costa Rica, Mexico (CHI, VRC), Panama.
Robustagramma flavistylum Marshall & Cui, 2005: 101 [both sexes, phylogeny, key, illustr.]. Type locality: Costa Rica, Puntarenas, Monteverde. HT male (INBC).
- Robustagramma gigantiscerosum*** Marshall & Cui, 2005. **Distr.:** Neotropical: Belize, Bolivia, Colombia, Costa Rica, Ecuador, Guatemala, Guyana, Mexico (CHI), Panama, Peru, Trinidad, Venezuela.

Robustagramma gigantisclerosum Marshall & Cui, 2005: 72 [both sexes, phylogeny, key, illustr.]. Type locality: Ecuador, [Pichincha], Río Palenque. HT male (DEBU).

Robustagramma grenadense Marshall & Cui, 2005. **Distr.:** Neotropical: Grenada.

Robustagramma grenadense Marshall & Cui, 2005: 75 [both sexes, phylogeny, key, illustr.]. Type locality: Grenada, St. George, Grand Etang Forest. HT male (DEBU).

Robustagramma hebes Marshall & Cui, 2005. **Distr.:** Nearctic: USA (AL, FL, GA, NJ, WV).

Robustagramma hebes Marshall & Cui, 2005: 57 [both sexes, phylogeny, key, illustr.]. Type locality: USA, Florida, [Highlands Co.], Archbold Biological Station. HT male (DEBU).

Robustagramma incurvum Marshall & Cui, 2005. **Distr.:** Nearctic: Canada (ON), USA (AR, FL, GA, KY, LA, MA, MS, OR, SC, TN, TX, VA.).

Robustagramma incurvum Marshall & Cui, 2005: 59 [both sexes, phylogeny, key, illustr.]. Type locality: USA, Florida, Marion Co., Ocala National Forest. HT male (DEBU).

Robustagramma kittsense Marshall & Cui, 2005. **Distr.:** Neotropical: St. Kitts.

Robustagramma kittsense Marshall & Cui, 2005: 76 [both sexes, phylogeny, key, illustr.]. Type locality: St. Kitts, Bakers Ghot, [360 m]. HT male (DEBU).

Robustagramma latistylum Marshall & Cui, 2005. **Distr.:** Neotropical: Belize, Costa Rica, Mexico (VRC, OXA).

Robustagramma latistylum Marshall & Cui, 2005: 48 [both sexes, phylogeny, key, illustr.]. Type locality: Mexico, Veracruz, 8 mi NNW Scontomepan. HT male (DEBU).

Robustagramma lingulatum Marshall & Cui, 2005. **Distr.:** Neotropical: Venezuela.

Robustagramma lingulatum Marshall & Cui, 2005: 22. Type locality: Venezuela, Aragua, Henri Pittier National Park, Rancho Grande. HT male (originally stated as DEBU, repatriated to IZAV).

Robustagramma longiseta Marshall & Cui, 2005. **Distr.:** Neotropical: Costa Rica.

Robustagramma longiseta Marshall & Cui, 2005: 13 [both sexes, phylogeny, key, illustr.]. Type locality: Costa Rica, Alajuela, Volcán Tenorio, N slope near Bijagua Biological Station, [700 m]. HT male (INBC).

Robustagramma longistylum Marshall & Cui, 2005. **Distr.:** Neotropical: Costa Rica, Ecuador, Panama.

Robustagramma longistylum Marshall & Cui, 2005: 50. Type locality: Ecuador: Pichincha, 4 [= 47] km S Santo Domingo [de los Colorados], Río Palenque Station, [250 m]. HT male (DEBU).

Robustagramma luciense Marshall & Cui, 2005. **Distr.:** Neotropical: St. Lucia

Robustagramma luciense Marshall & Cui, 2005: 78 [both sexes, phylogeny, key, illustr.]. Type locality: St. Lucia. HT male (DEBU).

Robustagramma macrosternum Marshall & Cui, 2005. **Distr.:** Neotropical: Peru, Venezuela.

Robustagramma macrosternum Marshall & Cui, 2005: 38 [both sexes, phylogeny, key, illustr.]. Type locality: Peru, Loreto, Campamento San Jacinto, [175–215 m]. HT male (DEBU).

Robustagramma mayense Marshall & Cui, 2005. **Distr.:** Neotropical: Belize.

Robustagramma mayense Marshall & Cui, 2005: 79–80 [both sexes, phylogeny, key, illustr.]. Type locality: Belize, Mountain Pine Ridge, [2,500 ft]. HT male (DEBU).

Robustagramma minutiseta Marshall & Cui, 2005. **Distr.:** Nearctic: USA (AZ).

Robustagramma minutiseta Marshall & Cui, 2005: 61 [both sexes, phylogeny, key, illustr.]. Type locality: USA, Arizona, Pima Co., Santa Catalina Mts., Mount Lemmon Highway, [4,900 ft]. HT male (DEBU).

Robustagramma mirabile Marshall & Cui, 2005. **Distr.:** Neotropical: Belize, Costa Rica, Ecuador, Guyana, Mexico (CHI, VRC), Panama, Peru, Venezuela.

Robustagramma mirabile Marshall & Cui, 2005: 112 [both sexes, phylogeny, key, illustr.]. Type locality: Mexico, Chiapas, 11 mi NW Ocozocautla, [3,400 ft]. HT male (DEBU).

- Robustagramma multiseta*** Marshall & Cui, 2005. **Distr.:** Neotropical: Dominican Republic.
Robustagramma multiseta Marshall & Cui, 2005: 92 [both sexes, phylogeny, key, illustr.]. Type locality: Dominican Republic, Cabo Rojo (of Pedernales), Alcoa Road km 26. HT male (DEBU).
- Robustagramma nigrivittatum*** Marshall & Cui, 2005. **Distr.:** Neotropical: Ecuador.
Robustagramma nigrivittatum Marshall & Cui, 2005: 51 [both sexes, phylogeny, key, illustr.]. Type locality: Ecuador, Pichincha, 4 [= 47] km S Santo Domingo [de los Colorados], Río Palenque Station, [250 m]. HT male (DEBU).
- Robustagramma obscuratum*** Marshall & Cui, 2005. **Distr.:** Neotropical: Belize, Colombia, Costa Rica, Ecuador, Guatemala, Guyana, Mexico (VRC), Panama, Peru, Venezuela.
Robustagramma obscuratum Marshall & Cui, 2005: 39 [both sexes, phylogeny, key, illustr.]. Type locality: Belize, San Ignacio, Maya Mountain Lodge. HT male (DEBU).
- Robustagramma obscurifrons*** Marshall & Cui, 2005. **Distr.:** Neotropical: Honduras, Mexico (JAL).
Robustagramma obscurifrons Marshall & Cui, 2005: 63 [both sexes, phylogeny, key, illustr.]. Type locality: Honduras, Francisco Morazán, 6 km SE Zamorano. HT male (DEBU).
- Robustagramma oculiculus*** Marshall & Cui, 2005. **Distr.:** Neotropical: Mexico (PUE, TAM).
Robustagramma oculiculus Marshall & Cui, 2005: 81 [both sexes, phylogeny, key, illustr.]. Type locality: Mexico, Puebla, 23 km W Cuetzalan, Sarnidero de Atepolihuit de San Andrés. HT male (DEBU).
- Robustagramma orthogonium*** Marshall & Cui, 2005. **Distr.:** Neotropical: Peru.
Robustagramma orthogonium Marshall & Cui, 2005: 115 [both sexes, phylogeny, key, illustr.]. Type locality: Peru, Loreto, Campamento San Jacinto, [175–215 m]. HT male (DEBU).
- Robustagramma ovipenne*** (Duda, 1925). **Distr.:** Neotropical: Argentina, Paraguay.
Leptocera (Mallochella) ovipennis Duda, 1925: 115 [both sexes, illustr.]. Type locality: Paraguay, San Bernardino. LT male, designated by MARSHALL & CUI (2005): 84 (NHMW).
Pterogramma ovipenne. – ROHÁČEK et al. (2001): 214 [generic combination, catalog].
Robustagramma ovipennis. – MARSHALL & CUI (2005): 82 [incorrect name termination, generic combination, redescription, key, illustr.].
- Robustagramma pallidistylum*** Marshall & Cui, 2005. **Distr.:** Neotropical: Mexico (HID, OXA, PUE, SLP, VRC).
Robustagramma pallidistylum Marshall & Cui, 2005: 103 [both sexes, phylogeny, key, illustr.]. Type locality: Mexico, Oaxaca, 8 km S Suchix Tepec. HT male (DEBU).
- Robustagramma paralongiseta*** Marshall & Cui, 2005. **Distr.:** Neotropical: Venezuela.
Robustagramma paralongiseta Marshall & Cui, 2005: 25 [male, phylogeny, key, illustr.]. Type locality: Venezuela, Aragua, Henri Pittier National Park, Rancho Grande Biological Station. HT male (originally stated as DEBU, repatriated to IZAV).
- Robustagramma parauniseta*** Marshall & Cui, 2005. **Distr.:** Neotropical: Ecuador.
Robustagramma parauniseta Marshall & Cui, 2005: 26 [male, phylogeny, key, illustr.]. Type locality: Ecuador, Napo, Baeza. HT male (DEBU).
- Robustagramma rarum*** Marshall & Cui, 2005. **Distr.:** Neotropical: Venezuela.
Robustagramma rarum Marshall & Cui, 2005: 42 [male, phylogeny, key, illustr.]. Type locality: Venezuela, Bolívar, km 40 Santa Elena-Icabaru Road, [1,000 m]. HT male (originally stated as DEBU, repatriated to IZAV).
- Robustagramma robustinervus*** Marshall & Cui, 2005. **Distr.:** Neotropical: Guyana, Venezuela.
Robustagramma robustinervus Marshall & Cui, 2005: 32 [both sexes, phylogeny, key, illustr.]. Type locality: Venezuela, Bolívar, km 40 Santa Elena, Icabaru Road, [1,000 m]. HT male (originally stated as DEBU, repatriated to IZAV).

Robustagramma robustum (Spuler, 1925). **Distr.:** Neotropical: Belize, Costa Rica, Guatemala, Mexico (CHI, CHU, GUE, JAL, OXA, PUE, TAB, VRC, YUC).

Pterogramma robustum. – ROHÁČEK et al. (2001): 214 [generic combination, catalog]; SMITH & MARSHALL (2004): 58 [interim generic placement].

Robustagramma robustum. – MARSHALL & CUI (2005): 84 [generic combination, redescription, phylogeny, key, illustr.].

Robustagramma setilamella Marshall & Cui, 2005. **Distr.:** Neotropical: Costa Rica, Panama.

Robustagramma setilamella Marshall & Cui, 2005: 27 [male, phylogeny, key, illustr.]. Type locality: Costa Rica, Alajuela, Volcán Tenorio, N slope near Bijagua Biological Station, [700 m]. HT male (INBC).

Robustagramma setituberosum Marshall & Cui, 2005. **Distr.:** Neotropical: Brazil.

Robustagramma setituberosum Marshall & Cui, 2005: 107 [both sexes, phylogeny, key, illustr.]. Type locality: Brazil, Paraná, Curitiba, 30 km SE BR277. HT male (originally stated as DEBU, repatriated to UNSP).

Robustagramma setosum Marshall & Cui, 2005. **Distr.:** Neotropical: Ecuador.

Robustagramma setosum Marshall & Cui, 2005: 34 [male, phylogeny, key, illustr.]. Type locality: Ecuador, Napo, Lumibaqui. HT male (NHRS).

Robustagramma sinuosum Marshall & Cui, 2005. **Distr.:** Neotropical: Guyana, Venezuela.

Robustagramma sinuosum Marshall & Cui, 2005: 86 [both sexes, phylogeny, key, illustr.]. Type locality: Guyana, Rupununi Dist., Kurupukari, E side Essequibo, [200 ft]. HT male (DEBU).

Robustagramma spinatimargo Marshall & Cui, 2005. **Distr.:** Neotropical: Colombia, Venezuela.

Robustagramma spinatimargo Marshall & Cui, 2005: 88. Type locality: Venezuela, Aragua, Maracay, Rancho Grande, [1,200 m]. HT male (originally stated as DEBU, repatriated to IZAV).

Robustagramma triangulatum Marshall & Cui, 2005. **Distr.:** Neotropical: Cuba.

Robustagramma triangulatum Marshall & Cui, 2005: 94 [both sexes, phylogeny, key, illustr.]. Type locality: Cuba, Santiago, Gran Piedra Met[eorological] Radar, [1,100 m]. HT male (DEBU).

Robustagramma uniseta Marshall & Cui, 2005. **Distr.:** Neotropical: Ecuador.

Robustagramma uniseta Marshall & Cui, 2005: 29 [male, phylogeny, key, illustr.]. Type locality: Ecuador, Napo, Baeza. HT male (DEBU).

Robustagramma vulgare Marshall & Cui, 2005. **Distr.:** Nearctic: Canada (ON), USA (AL, AR, FL, GA, ID, IL, IN, LA, MA, MD, MO, MS, NC, NJ, OK, SC, TN, TX, UT, VA). Neotropical: Mexico (OXA).

Robustagramma vulgare Marshall & Cui, 2005: 90 [both sexes, phylogeny, key, illustr.]. Type locality: USA, Florida, Alachua Co., Road 176. HT male (DEBU).

Genus *Rohacekia* Papp, 2008

Rohacekia Papp, 2008b: 167 (feminine). Type species: *Rohacekia baechlii* Papp, 2008, original designation. – PAPP (2008b): 167–168 [diagnosis, key, illustr.].

Rohacekia baechlii Papp, 2008. **Distr.:** Oriental: India.

Rohacekia baechlii Papp, 2008b: 168 [male, illustr.]. Type locality: India, Kanha National Park. HT male (HNHM).

Genus *Setositiella* Papp, 2008

Setositiella Papp, 2008b: 170 (feminine). Type species: *Setositiella terrestris* Papp, 2008, original designation. – PAPP (2008b): 170 [diagnosis, key, illustr.].

Setositiella terrestris Papp, 2008. **Distr.:** Afrotropical: Congo.

Setositiella terrestris Papp, 2008b: 170 [unique male, illustr.]. Type locality: Congo, Sibiti, IRHO rain forest. HT male (HNHM).

Genus *Spelobia* Spuler, 1924

Note. ROHÁČEK et al. (2001) recognized three subgenera of *Spelobia* Spuler, 1924: the large *Spelobia* s. str. and the monotypic *Eulimosina* Roháček, 1983 and *Bifronsina* Roháček, 1983. PAPP (2008b) elevated these subgenera to generic status. All species formerly treated as the subgenus *Spelobia*, including the species listed below, therefore no longer have subgeneric status and are merely the genus *Spelobia*.

Spelobia baezi (Papp, 1977). **Distr.:** Palaearctic: Andorra, Canary Is. (Spain), Cyprus, France, Great Britain (England), Ireland, Israel [record missing from previous catalog], Italy (incl. Sardinia, Sicily), Lebanon, Morocco, Spain, Tunisia.

Spelobia baezi. – BLACKITH et al. (1991): 227 [new record from Ireland].

Spelobia (Spelobia) baezi. – ROHÁČEK (2004b): 257 [new record from Cyprus]; GATT (2007): 305 [new records from Lebanon, Tunisia]; WITHERS (2007): 147 [new record from France].

Spelobia belanica Roháček, 1983. **Distr.:** Palaearctic: Czech Republic, Denmark, Great Britain (England), Hungary, Slovakia, Sweden.

Spelobia (Spelobia) belanica. – ROHÁČEK & VALENTINE (2002): 179 [new record from Great Britain (England)].

Spelobia cambrica (Richards, 1929). **Distr.:** Palaearctic: Czech Republic, Finland, Germany, Great Britain, Ireland, North Korea, Norway, Russia (ES, WS), Slovakia, Sweden, Switzerland.

Spelobia cambrica. – BÄHRMANN & BELLSTEDT (2001): 58 [new record from Germany].

Spelobia clunipes (Meigen, 1830). **Distr.:** Nearctic: Canada (AB, BC, NB, NF, NS, ON, QC, YT), USA (AK, AR, AZ, CA, GA, IA, ID, IL, IN, KS, MD, MT, NC, NH, NJ, NY, OH, OR, PA, SD, TN, UT, VA, VT, WA, WI, WV, WY); Palaearctic: Afghanistan, Andorra, Austria, Azores (Portugal), Belgium, Bulgaria, China (HEB, TIB, XIN), Cyprus, Czech Republic, Denmark, Estonia, Faeroe Is. (Denmark), Finland, France, Germany, Great Britain, Hungary, Iceland, Ireland, Italy (incl. Sicily), Latvia, Lithuania, Macedonia, Mongolia, Montenegro, Netherlands, Norway, Poland, Portugal, Romania, Russia (CET, FE, NET, SET, WS), Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Tadjikistan, Tunisia, Ukraine, Uzbekistan.

Spelobia (Spelobia) clunipes. – ROHÁČEK (2004b): 258 [new record from Cyprus].

Spelobia czizeki (Duda, 1918). **Distr.:** Palaearctic: Afghanistan, Andorra, Austria, Belgium, Bulgaria, Czech Republic, Germany, Hungary, Italy, Latvia, Romania, Russia (NET, SET), Slovakia, Spain.

Spelobia czizeki. – KARPA (2008): 28 [record from Latvia].

Spelobia (Spelobia) czizeki. – ROHÁČEK & BEUK (2002): 295 [new record from Netherlands].

Spelobia hungarica (Villeneuve, 1917). **Distr.:** Palaearctic: Denmark, Germany (introduced ?), Greece (Crete), Hungary, Italy (incl. Sardinia), Israel, Morocco, Spain (Balearic Is.), Tunisia.

Spelobia (Spelobia) hungarica. – GATT (2007): 305 [new record from Morocco].

Spelobia luteilabris (Rondani, 1880). **Distr.:** Australasian / Oceanian: New Zealand; Nearctic: Canada (AB, BC, MB, NB, NS, NT, QC, SK), USA (AK, AZ, CA, ID, IL, MA, MD, MN, MT, NH, NM, NY, OH, OR, SD, TN, WA, WV); Palaearctic: Andorra, Austria, Azores (Portugal), Belgium, Bulgaria, Canary Is. (Spain), Croatia, Czech Republic, Denmark, Faeroe Is. (Denmark), Finland, France (incl. Corsica), Germany, Great Britain, Hungary, Iceland, Ireland, Italy, Japan, Latvia, Macedonia, Madeira (Portugal),

Montenegro, Netherlands, North Korea, Norway, Poland, Russia (CET, FE, NET, WS), Serbia, Slovakia, Spain, Sweden, Switzerland.

Spelobia luteilabris. – BLACKITH et al. (1991): 227 [new record from Ireland].

Spelobia (Spelobia) luteilabris. – ROHÁČEK et al. (2003): 56 [new record from Canary Is.].

Spelobia manicata (Richards, 1927). **Distr.:** Palaearctic: Austria, Czech Republic, Finland, France, Germany, Great Britain, Hungary, Ireland, ?Israel [record missing from previous catalog], Italy, Latvia, Norway, Slovakia, Spain, Sweden, Switzerland.

Spelobia (Spelobia) manicata. – NASH (1989): 152 [new record from Ireland].

Spelobia manicata. – ROHÁČEK (2003): 180 [new record from Italy]; KARPA (2008): 28 [record from Latvia].

Spelobia nana (Rondani, 1880). **Distr.:** Nearctic: Canada (YT), USA (AK); Palaearctic: Andorra, Austria, Belgium, Czech Republic, Denmark, Estonia, Finland, France, Germany, Great Britain, Hungary, Ireland, Italy, Latvia, Netherlands, Norway, Poland, Slovakia, Spain, Sweden, Switzerland.

Spelobia (Spelobia) nana. – VALENTINE et al. (1991): 106 [new record from Ireland].

Spelobia nana. – KARPA (2008): 28 [record from Latvia].

Spelobia palmata (Richards, 1927). **Distr.:** Palaearctic: Andorra, Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Faeroe Is. (Denmark), Finland, France, Germany, Great Britain, Greece (incl. Crete), Hungary, Ireland, Israel [record missing from previous catalog], Italy, Latvia, Norway, Poland, Portugal, Romania, Russia (NET, SET), Slovakia, Spain (incl. Balearic Is.), Sweden, Switzerland, Tunisia.

Spelobia (Spelobia) palmata. – VALENTINE et al. (1991): 106 [new record from Ireland]; ROHÁČEK (2004b): 258 [new record from Cyprus]; ZATWARNICKY (2007): 214 [record from Poland].

Spelobia palmata. – KARPA (2008): 28 [record from Latvia]; CARLES-TOLRÁ (2009a): 446 [new record from Portugal].

Spelobia parapusio (Dahl, 1909). **Distr.:** Palaearctic: Andorra, Austria, Belgium, Bulgaria, Canary Is. (Spain), Croatia, Cyprus, Czech Republic, Denmark, Finland, France (incl. Corsica), Germany, Great Britain, Hungary, Ireland, Italy, Latvia, Madeira (Portugal), Montenegro, Netherlands, North Korea, Norway, Poland, Russia (CET, NET, WS), Slovakia, Spain, Sweden, Switzerland, Tunisia; South Atlantic: Gough I. (introduced).

Spelobia (Spelobia) parapusio. – NASH et al. (2001): 201 [new record from Ireland]; ROHÁČEK et al. (2003): 56 [new record from Canary Is.]; ROHÁČEK (2004b): 258 [new record from Cyprus].

Spelobia pickeringi Marshall, 2003. **Distr.:** Nearctic: Canada (ON), USA (GA, SC).

Spelobia (Spelobia) pickeringi Marshall, 2003 in MARSHALL & REEVES (2003): 149 [both sexes, egg, puparium, phylogeny notes, illustr.]. Type locality: USA, South Carolina, Barnwell Co., near Barnwell State Park. HT male (DEBU).

Spelobia pseudonivalis (Dahl, 1909). **Distr.:** Palaearctic: Belgium, Czech Republic, Finland, France, Germany, Great Britain, Hungary, Latvia, Netherlands, ?North Korea, Portugal, ?Ukraine, Slovakia, Spain, Sweden.

Spelobia (Spelobia) pseudonivalis. – CARLES-TOLRÁ (2004): 193 [new record from Spain]; ROHÁČEK (2009a): 269 [new record from Slovakia].

Spelobia pseudosetaria (Duda, 1918). **Distr.:** Australasian / Oceanian: New Zealand; Nearctic: Canada (AB, QC, SK), USA (CA, NM, WY); Palaearctic: Afghanistan, Andorra,

Austria, Azores (Portugal), Belgium, Bulgaria, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Great Britain, Hungary, Iceland, Ireland, Italy (incl. Pantelleria I.), Latvia, Madeira (Portugal), Norway, Poland, Romania, Russia (CET, FE, NET, WS), Slovakia, Spain, Sweden, Switzerland, Tadjikistan, Ukraine.

Spelobia (Spelobia) pseudosetaria. – NASH et al. (2001): 201 [new record from Ireland]; ROHÁČEK (2004b): 258 [new record from Cyprus].

Spelobia quaesita Roháček, 1983. **Distr.:** Palaearctic: Algeria, Morocco, Spain, Tunisia.

Spelobia (Spelobia) quaesita. – GATT (2007): 305 [new record from Tunisia].

Spelobia rufilabris (Stenhammar, 1855). **Distr.:** Oriental: Nepal; Palaearctic: Austria, Belgium, Bulgaria, Czech Republic, Denmark, Estonia, Faeroe Is. (Denmark), Finland, France, Germany, Great Britain, Hungary, Iceland, Ireland, Italy, Latvia, Mongolia, Montenegro, Netherlands, Norway, Poland, Romania, Russia (NET), Slovakia, Spain, Sweden, Switzerland.

Spelobia (Spelobia) rufilabris. – NASH et al. (2001): 202 [record from Ireland].

Spelobia simplicipes (Duda, 1925). **Distr.:** Palaearctic: Afghanistan, Austria, Belgium, France (Corsica), Germany, Greece (Crete), Hungary, Italy (incl. Sardinia), Kirghizia, ?Latvia, Lebanon, Malta, Netherlands, Romania, Slovakia, Slovenia, Spain (incl. Balearic Is.), Tadjikistan, Tunisia.

Spelobia (Spelobia) simplicipes. – GATT (2007): 305 [new record from Lebanon].

Spelobia simplicipes. – CARLES-TOLRÁ & SALOÑA (2004): 48 [new record from mainland Spain]; KARPA (2008): 28 [doubtful record from Latvia].

Spelobia talparum (Richards, 1927). **Distr.:** Palaearctic: Afghanistan, Andorra, Austria, Belgium, Bulgaria, Czech Republic, Denmark, Finland, France, Germany, Great Britain, Hungary, Ireland, Italy, Latvia, Lithuania, Norway, Portugal, Russia (SET), Slovakia, Spain, Sweden, Switzerland, Ukraine.

Spelobia (Spelobia) talparum. – VALENTINE et al. (1991): 106 [new record from Ireland].

Genus *Spinilimosina* Roháček, 1983

Spinilimosina brevicostata (Duda, 1918). **Distr.:** Afrotropical: Ethiopia, Madagascar, South Africa, Zaire; Australasian / Oceanian: Hawaii (USA), Papua New Guinea; Nearctic: USA (FL, TX); Neotropical: Bermuda, Brazil, Dominican Republic, Honduras, Jamaica, St. Kitts (Nevis); Oriental: Nepal, Sri Lanka, Taiwan; Palaearctic: Afghanistan, Azores (Portugal), Bosnia and Herzegovina, Canary Is. (Spain), Cyprus, Czech Republic, Egypt, Finland, Germany, Great Britain, Hungary, Israel, Italy, Madeira (Portugal), Malta, Morocco, Poland, Russia (SET), Spain, Tunisia.

Spinilimosina brevicostata. – ROHÁČEK (2004b): 258 [new record from Cyprus].

Spinilimosina ciliata (Duda, 1925). **Distr.:** Oriental: Singapore.

Acuminiseta ciliata. – ROHÁČEK et al. (2001): 111 [world catalog].

Spinilimosina ciliata. – PAPP (2008b): 82 [generic combination].

Spinilimosina latipes (Duda, 1925). **Distr.:** Oriental: Singapore.

Pullimosina (Pullimosina) latipes. – ROHÁČEK et al. (2001): 219 [world catalog].

Spinilimosina latipes. – PAPP (2008b): 83 [generic combination].

Genus *Telomerina* Roháček, 1983

Telomerina eburnea Roháček, 1983. **Distr.:** Palaearctic: Czech Republic, Denmark, Finland, France, Germany, Great Britain (England), Hungary, Italy, Russia (WS), Sweden.

Telomerina eburnea. – SMITH & HARVEY (2006): 38 [new record from Great Britain]; WITHERS (2007): 147 [new record from France].

Telomerina flavipes (Meigen, 1830). **Distr.:** Afrotropical: South Africa; Australasian / Oceanian: Australia (NSW), New Zealand; Nearctic: Canada (AB, BC, MB, NB, ON, QC), Greenland (subfossil), USA (AR, AZ, CO, FL, ID, IL, LA, MA, NM, NY, TN, VA, WA, WY); Neotropical: Brazil, Chile, Juan Fernandez Is. (Chile), Mexico (MOR, NUL); Oriental: Taiwan; Palaearctic: Afghanistan, Andorra, Austria, Belgium, Bulgaria, Canary Is. (Spain), Cyprus, Czech Republic, Denmark, Egypt, Finland, France, Germany, Great Britain, Greece, Hungary, Iceland, Iran, Ireland, Israel, Italy (incl. Sicily, Pantelleria I.), Japan, Latvia, Malta, Mongolia, Netherlands, Norway, Poland, Romania, Russia (CET, NET, SET), Serbia, Slovakia, Spain, Sweden, Switzerland, Tadjikistan, Tunisia.

Telomerina flavipes. – VALENTINE et al. (1991): 107 [new record from Ireland]; ROHÁČEK et al. (2003): 56 [new record from Canary Is.]; ROHÁČEK (2004b): 258 [new record from Cyprus]; KARPA (2008): 28 [record from Latvia].

Telomerina levifrons (Spuler, 1925). **Distr.:** Nearctic: USA (ID, MD, MI, OR, WA); Oriental: Japan (Okinawa), Nepal; Palaearctic: Czech Republic, Germany, Italy, Japan, Norway, Slovakia, Spain (Balearic Is.), Sweden.

Telomerina levifrons. – HAYASHI (2005c): 10 [new record from Japan: Okinawa].

Telomerina pseudoleucoptera (Duda, 1924). **Distr.:** Palaearctic: Andorra, Belgium, Bulgaria, Czech Republic, Denmark, Finland, France, Germany, Great Britain, Hungary, Ireland, Italy, Latvia, Netherlands, Norway, Russia (NET), Slovakia, Spain, Sweden, Switzerland.

Telomerina pseudoleucoptera. – WITHERS (2002): 118 [new record from Ireland]; WITHERS (2007): 147 [record from France]; KARPA (2008): 28 [record from Latvia].

Genus *Terrilimosina* Roháček, 1983

Terrilimosina Roháček, 1983. – SU & LIU (2009b): 51 [review of the Chinese species, key].

Terrilimosina brevipexa Marshall, 1987. **Distr.:** Palaearctic: China (JIL), Japan.

Terrilimosina brevipexa. – SU & LIU (2009b): 51 [new record from China, key, illustr.].

Terrilimosina parabrevipexa Su & Liu, 2009. **Distr.:** Palaearctic: China (NIN).

Terrilimosina parabrevipexa Su & Liu, 2009b: 53 [male, illustr.]. Type locality: China, Ningxia Province, Mt. Liu-p'an, 2500–2700 m, HT male (SACS).

Terrilimosina parasetanai Su & Liu, 2009. **Distr.:** Palaearctic: China (NIN).

Terrilimosina parasetanai Su & Liu, 2009b: 55 [male, illustr.]. Type locality: China, Ningxia Province, Mt. Liu-p'an, 2700 m, HT male (SACS).

Terrilimosina paralongipexa Hayashi, 1992. **Distr.:** Palaearctic: China (JIL), Japan.

Terrilimosina paralongipexa. – SU & LIU (2009b): 52 [new record from China, key, illustr.].

Terrilimosina racovitzaei (Bezzi, 1911). **Distr.:** Nearctic: Canada (ON), USA (IA, IL, NY, PA, WI); Palaearctic: Afghanistan, Austria, Belgium, Bosnia and Herzegovina, Bulgaria,

Czech Republic, Finland, France, Germany, Great Britain, Hungary, Italy, Latvia, Lebanon, Netherlands, Poland, Russia (SET), Slovakia, Spain, Sweden, Switzerland, Turkey, Ukraine.

Terrilimosina racovitzai. – GATT (2007): 305 [new record from Lebanon]; KARPA (2008): 28 [record from Latvia].

Terrilimosina schmitzi (Duda, 1918). **Distr.:** Nearctic: Canada (AB, BC, NB, NF, NS, NT, QC, SK, YT), USA (AK, NC, NH, NY, OR, WA); Palaearctic: Austria, Belgium, China (JIL), Czech Republic, Denmark, Finland, France, Germany, Great Britain, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Mongolia, Netherlands, North Korea, Norway, Poland, Romania, Russia (FE, NET, WS), Slovakia, Spain, Sweden, Switzerland.

Terrilimosina schmitzi. – WITHERS (2002): 118 [new record from Ireland]; LUTOVINOVA et al. (2003): 408 [new record from Lithuania]; SU & LIU (2009b): 52 [new record from China, key, illustr.].

Genus *Thailimosina* Papp, 2008

Thailimosina Papp, 2008b: 106 (feminine). Type species: *Thailimosina maculata* Papp, 2008, original designation. – PAPP (2008b): 106–108 [diagnosis, key, illustr.].

Thailimosina maculata Papp, 2008. **Distr.:** Oriental: Thailand.

Thailimosina maculata Papp, 2008b: 108 [both sexes, illustr.]. Type locality: Thailand, Doi Suthep. HT male (HNHM).

Genus *Thoracochaeta* Duda, 1918

Thoracochaeta Duda, 1918. – HAYASHI (2005b): 293–297 [diagnosis, taxonomy, key to Japanese species, illustr.].

Thoracochaeta accola Roháček & Marshall, 2000. **Distr.:** Palaearctic: Cyprus, Georgia, Greece, Ukraine.

Thoracochaeta accola. – GATT (2004): 115 [new record from Cyprus].

Thoracochaeta brachystoma (Stenhammar, 1855). **Distr.:** Afrotropical: Cameroon, Ghana, Seychelles, South Africa, Yemen; Australasian / Oceanian: Australia (NSW), Cook Is., Hawaii (USA), Micronesia (Yap Is.), New Caledonia, Palau (USA); Nearctic: Canada (NB, NS, PE, QC), USA (CT, FL, MA, NH, NY, RI, TX); Neotropical: Antigua, Argentina, Bahamas, Belize, Bermuda, Chile, Dominica, Easter I., Jamaica, Juan Fernández Is. (Chile), Mexico (QNR, YUC), Peru, Turks & Caicos, Venezuela; Oriental: Indonesia (Sumatra), Philippines; Palaearctic: Algeria, Azores (Portugal), Belgium, Bulgaria, Canary Is. (Spain), Croatia, Cyprus, Czech Republic, Denmark, Egypt, Finland, France, Georgia, Germany, Great Britain, Greece, Ireland, Israel [record missing from previous catalog], Italy, Japan, Latvia, Lebanon, Madeira (Portugal), Malta, Morocco, Netherlands, Norway, Poland, Romania, ?Russia (CET), Spain (incl. Balearic Is.), Sweden, Tunisia, Ukraine, United Arab Emirates; South Atlantic: Gough I., Tristan da Cunha.

Thoracochaeta brachystoma. – NASH et al. (2001): 203 [record from Ireland]; ROHÁČEK (2004b): 258 [new record from Cyprus]; GATT (2007): 305 [new record from Morocco]; GATT (2008): 701 [new record from United Arab Emirates]; KARPA (2008): 28 [record from Latvia].

Leptocera brachystoma. – PANTELEVA (2005): 492 [a doubtful record from Russia: CET].

Thoracochaeta erectiseta Carles-Tolrá, 1994. **Distr.:** Palaearctic: Canary Is. (Spain), Great Britain, Italy (Sicily), Morocco, Spain (Balearic Is.).

Thoracochaeta erectiseta. – GATT (2007): 305 [new record from Morocco].

Thoracochaeta gemina Roháček & Marshall, 2000. **Distr.:** Palaearctic: Japan, Russia (FE).

Thoracochaeta gemina. – HAYASHI (2005b): 293 [diagnosis, key, new record from Japan].

Thoracochaeta mediterranea Munari, 1989. **Distr.:** Palaearctic: Croatia, Cyprus, Italy (Pantelleria I.), Malta, Spain (Balearic Is.).

Thoracochaeta mediterranea. – ROHÁČEK (2004b): 259 [new record from Cyprus].

Thoracochaeta setifer Hayashi, 2005. **Distr.:** Palaearctic: Japan.

Thoracochaeta setifer Hayashi, 2005b: 294 [both sexes, key, taxonomic notes, illustr.]. Type locality: Japan, Hokkaido, Nemuro, Nemuro. HT male (NIID).

Thoracochaeta zosteræ (Haliday, 1833). **Distr.:** Nearctic: Canada (NB, NS, ON, PE), USA (ME); Neotropical: Argentina; Palaearctic: Austria, Belgium, Bulgaria, Czech Republic, Denmark, Estonia, Faeroe Is. (Denmark), Finland, France, Germany, Great Britain, Greece, Hungary, Iceland, Ireland, Italy, Japan, Latvia, Lebanon, Lithuania, Malta, Netherlands, Norway, Poland, Romania, Russia (NET, FE, SET), Serbia, Slovakia, Sweden, Switzerland, Turkey; South Atlantic: Gough I.; South Indian Ocean: Île Saint Paul.

Thoracochaeta zosteræ. – LUTOVINOVAS et al. (2003): 408 [new record from Lithuania].

Genus *Trachypella* Duda, 1918

Subgenus *Nudopella* Roháček & Marshall, 1986

Trachypella (N.) collinella (Richards, 1946). **Distr.:** Australasian / Oceanian: Fiji Is., Guam (USA), Micronesia (Ponape, Truk Is., Yap Is.), New Caledonia, Northern Mariana Is. (Saipan), Palau (USA), Solomon Is.; Oriental: Indonesia (Celebes, Java), Maldives, Malaysia, Nepal, Thailand; Palaearctic: United Arab Emirates.

Trachypella collinella. – GATT (2008): 701 [photograph, new record from United Arab Emirates]; PAPP et al. (2006): 224 [new record from Thailand].

Trachypella (N.) hem Roháček & Marshall, 1986. **Distr.:** Palaearctic: Azores (Portugal), Canary Is. (Spain), Cyprus, Czech Republic, Egypt, Madeira (Portugal), Portugal.

Trachypella (Nudopella) hem. – ROHÁČEK (2004b): 259 [new record from Cyprus]; GATT (2007): 306 [new record from Egypt].

Trachypella (N.) leucoptera (Haliday, 1836). **Distr.:** Afrotropical: ?Ethiopia, ?Zaire; Australasian / Oceanian: Hawaii Is. (USA); Nearctic: Canada (ON), USA (FL, MD); Oriental: Sri Lanka; Palaearctic: Afghanistan, Andorra, Azores (Portugal), Belgium, Canary Is. (Spain), Czech Republic, Denmark, Finland, Germany, Great Britain, Hungary, Ireland, Italy, Latvia, Madeira (Portugal), Malta, Portugal, Romania, Slovakia, Spain, Sweden, Switzerland; South Atlantic: ?Saint Helena.

Trachypella (Nudopella) leucoptera. – ROHÁČEK et al. (2003): 56 [new record from Canary Is.]; ROHÁČEK (2007a): 114 [new record from Madeira (Portugal)].

Trachypella leucoptera. – KARPA (2008): 28 [record from Latvia].

Subgenus *Trachyopella* Duda, 1918

Trachyopella (T.) atomus (Rondani, 1880). **Distr.:** Afrotropical: ?Zaire; Australasian / Oceanian: Guam (USA), Hawaii (USA); Palaearctic: Afghanistan, Azores (Portugal), Belgium, Czech Republic, Denmark, Egypt, Germany, Great Britain, Hungary, Ireland, Italy, Madeira (Portugal), Malta, Netherlands, Poland, ?Romania, Slovakia, Spain, Sweden, Switzerland, ?Tadjikistan, United Arab Emirates.

Trachyopella (Trachyopella) atomus. – NASH (1989): 152 [new record from Ireland]; PETERSEN & ROHÁČEK (2001): 219 [new record from Denmark]; GATT (2007): 306 [new record from Egypt]; GATT (2008): 702 [new record from United Arab Emirates].

Trachyopella atoma. – KARPA (2008): 28 [misspelling, record from Latvia].

Trachyopella (T.) coprina (Duda, 1918). **Distr.:** Afrotropical: ?Zaire; Nearctic: USA (CA); Palaearctic: Belgium, Cyprus, Czech Republic, Germany, Great Britain, Greece (Crete), Hungary, Israel, Italy, Netherlands, Malta, Spain, Sweden.

Limosina (Trachyopella) coprina. – ROHÁČEK (2004b): 259 [new record from Cyprus].

Trachyopella (T.) kuntzei (Duda, 1918). **Distr.:** Nearctic: Canada (NB); Palaearctic: Belgium, Czech Republic, France, Germany, Hungary, Latvia, Poland, Slovakia, Sweden, Switzerland.

Trachyopella kuntzei. – WITHERS (2007): 147 [new record from France].

Trachyopella (T.) lineafrons (Spuler, 1925). **Distr.:** Australasian / Oceanian: New Zealand; Nearctic: Canada (AB, BC, MB, NB, ON, QC), USA (FL, GA, IL, MN, MO, OR, WY); Neotropical: Argentina; Palaearctic: Afghanistan, Andorra, Belgium, Canary Is. (Spain), Cyprus, Czech Republic, Finland, France, Germany, Great Britain, Greece, Hungary, Ireland, Italy, Madeira (Portugal), Norway, Slovakia, Spain, Sweden, Switzerland.

Trachyopella (Trachyopella) lineafrons. – NASH et al. (2001): 204 [new record from Ireland]; MUNARI & ROHÁČEK (2002): 128 [new record from Italy]; ROHÁČEK et al. (2003): 56 [new record from Canary Is.]; ROHÁČEK (2004b): 259 [new record from Cyprus]; ROHÁČEK (2007a): 114 [new record from Madeira (Portugal)]; WITHERS (2007): 147 [new record from France]; CARLES-TOLRÁ (2010b): 202 [new record from Andorra].

Trachyopella (T.) melania (Haliday, 1836). **Distr.:** Palaearctic: Andorra, Belgium, Czech Republic, Finland, France, Germany, Great Britain, Hungary, Ireland, Italy, Lithuania, Malta, Mongolia, Netherlands, Norway, Romania, Slovakia, Spain, Sweden, Switzerland.

Trachyopella (Trachyopella) melania. – LUTOVINOVAS et al. (2003): 408 [new record from Lithuania]; GATT (2010): 3 [new record from Italy].

Trachyopella (T.) nuda Roháček & Marshall, 1986. **Distr.:** Australasian / Oceanian: Hawaii (USA); Nearctic: Canada (NB, NS, ON, QC, SK), USA (FL, IL, KY, LA, MA, MD, MI, MO, NC, NJ, SC, TX, VA); Neotropical: Bermuda; Palaearctic: Andorra, Canary Is. (Spain), Hungary, Madeira (Portugal), Spain.

Trachyopella (Insulomyia) nuda. – PAPP (2004c): 143 [new record from Hungary].

Trachyopella (Trachyopella) nuda. – ROHÁČEK et al. (2003): 56 [new record from Canary Is.]; ROHÁČEK (2007a): 114 [new record from Madeira (Portugal)].

Trachyopella (T.) straminea Roháček & Marshall, 1986. **Distr.:** Nearctic: Canada (ON), USA (IL, MA, MD, MO); Palaearctic: Andorra, Canary Is. (Spain), Cyprus, Czech Republic, Greece (Crete), Hungary, Madeira (Portugal), Malta, Slovakia, Spain.

Trachyopella (Trachyopella) straminea. – ROHÁČEK et al. (2003): 56 [new record from Canary Is.]; ROHÁČEK (2004b): 259 [new record from Cyprus]; ROHÁČEK (2007a): 114 [new record from Madeira (Portugal)].

Genus *Trilobitella* Papp, 2008

Trilobitella Papp, 2008b: 173 (feminine). Type species: *Trilobitella taiwanica* Papp, 2008, original designation. – PAPP (2008b): 173–175 [diagnosis, key, illustr.].

***Trilobitella taiwanica* Papp, 2008. Distr.:** Oriental: Taiwan.

Trilobitella taiwanica Papp, 2008b: 175 [both sexes, illustr.]. Type locality: Taiwan, Ilan Hsien, Fu-Shan LTER Site. HT male (HNHM).

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