

## World Catalog of Bee Flies (Diptera: Bombyliidae): Corrigenda and Addenda

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### Abstract

A list of corrections and additions to the world catalog of bee flies, published in 1999 is presented. New taxonomic information presented in this paper includes the following 42 new species-group synonymies: *Geron paramonovi* Greathead (junior synonym of *G. asiaticus* Zaitzev), **syn. n.**, *Anastoechus olivaceus* Paramonov, *Anastoechus olivaceus* var. *corsicanus* Paramonov, *Anastoechus olivaceus* var. *corsicanus* Zaitzev (all junior synonyms of *A. nitidulus* Fabricius), **syn. n.**, *Anastoechus leucochroicus* Hesse (junior synonym of *A. varipecten* Bezzi, 1921), **syn. n.**, *Bombylius punctatus* Fabricius, *Bombylius sticticus* Boisduval, *Bombylius subluna* Walker (all junior synonyms of *Bombomyia vertebralis* (Dufour)), **syn. n.**, *Bombylius flavescens* Palm, *Bombylius minor* var. *ochraceus* Paramonov, *Bombylius luteolus* Evenhuis, *Bombylius thapsinoides* Evenhuis (all junior synonyms of *B. minor* Linnaeus), **syn. n.**, *Bombylius rhodius* Loew (junior synonym of *B. trichurus* Pallas), **syn. n.**, *Bombylius aurulentus* Wiedemann (junior synonym of *Systoechus ctenopterus* (Mikan)), **syn. n.**, *Bombylius lucidus* Loew, *Systoechus tesquorum* Becker (all junior synonyms of *Systoechus*

*gradatus* (Wiedemann)), **syn. n.**, *Argyramoeba maculosa* Sack, *Anthrax ipiriensis* Dils & Weyer, *Anthrax tajikistanus* Evenhuis & Greathead (all junior synonyms of *Anthrax chionostigma* Tsacas), **syn. n.**, *Spogostylum nigrum* Austen (junior synonym of *Anthrax lucidus* (Becker)), **syn. n.**, *Argyromoeba velox* Loew, *Anthrax hellenicus* François (all junior synonyms of *Anthrax virgo* Egger), **syn. n.**, *Exoprosopa dispar* var. *interrupta* Paramonov, *Exoprosopa dispar* ssp. *paramonovi* Evenhuis (all junior synonyms of *E. dispar* Loew), **syn. n.**, *Thyridanthrax albicingulus* Austen, *Thyridanthrax amoenus* Austen (all junior synonyms of *Exhyalanthrax melanchlaenus* (Loew)), **syn. n.**, *Thyridanthrax innocens* Austen (junior synonym of *Exhyalanthrax muscarius* (Pallas)), **syn. n.**, *Anthrax venusta* Meigen, *Anthrax margaritifer* Dufour, *Anthrax dolosa* Jaennicke, *Anthrax turbidus* Loew (all junior synonyms of *Villa fasciata* Meigen), **syn. n.**, *Villa orientalis* Zaitzev (junior synonym of *Villa fasciculata* Becker), **syn. n.**, *Anthrax humilis* Ruthe, *Anthrax mucida* Zeller, *Anthrax pygarga* Loew, *Anthrax albulus* Loew, *Villa quinta* Becker (all junior synonyms of *Villa ixion* (Fabricius)), **syn. n.**, *Anthrax faustina* Osten Sacken, *Anthrax alternata* var. *fulvipes* Coquillett, *Villa lateralis* ssp. *semifulvipes* Painter in Painter & Painter (all junior synonyms of *Villa lateralis* (Say)), **syn. n.**, *Petrorossia chraminensis* Zaitzev, *Petrorossia dobrogica* Dusa (all junior synonyms of *Petrorossia hespera* (Rossi)), **syn. n.**; the following new synonymy in genus-group names: *Gazlia* Zaitzev (junior synonym of *Xeramoeba* Hesse), **syn. n.**; and the following 11 new combinations: *Apolysis barri* (Tabet) (from *Oligodranes*), **comb. n.**, *Apolysis nauseosus* (Tabet) (from *Oligodranes*), **comb. n.**, *Parageron loewi* (Becker) (from *Usia*), **comb. n.**, *Chalcochiton carmelitensis* (Becker) (from *Cytherea*), **comb. n.**, *Exoprosopa rivularis* Meigen (from *Heteralonia*), **comb. n.**, *Micomitra shelkovnikovi* (Paramonov) (from *Pterobates*), **comb. n.**, *Xeramoeba albula* (Zaitzev) (from *Gazlia*), **comb. n.**, *Xeramoeba kinereti* (Zaitzev) (from *Chiasmella*), **comb. n.**, *Xeramoeba stackelbergi* (Zaitzev) (from *Chiasmella*), **comb. n.**, *Xeramoeba turkmenica* (Zaitzev) (from *Chiasmella*), **comb. n.** Two species are returned to their original genus: *Exoprosopa dispar* Loew (returned to *Exoprosopa* from *Heteralonia*), **comb. rev.**, and *Spogostylum nitidum* Austen (returned to *Spogostylum* from *Anthrax*), **comb. rev.** Three species in *Pipunculopsis* were invalid when originally proposed by Zaitzev in 2001. They are hereby validated with the criteria fulfilling Article 16.4.2 and the original authorship of Zaitzev should be kept since he provided the information to validate the names herein.

**Key words:** Bombyliidae, catalog, taxonomy, distribution

## Introduction

Since publication of the world catalog of Bombyliidae (Evenhuis & Greathead, 1999; publication date: 10 November 1999) a number of corrections have been found by us. Some additional corrections or expanded information has also been made available to us by others, for which we are grateful. We here provide a list of corrections including 6 species-group names inadvertently omitted from the original catalog and a list of addenda that includes 85 new species-group names, 2 new genus-group names of Bombyliidae, and numerous new distributional and corrected data published since our catalog. Including the number of new synonymies since publication of our catalog plus the 85 new species-group taxa, there are a total of 4,583 species of Bombyliidae now known.

*Exoprosopa* still retains honors as the most speciose genus (338 species), followed by *Bombylius* (300), *Anthrax* (267), and *Villa* (257). Other genera with more than one hundred species include *Geron* (179), *Systropus* (155), *Heteralonia* (138), *Apolysis* (119), *Systoechus* (118), and *Ligyra* (109).

### Authorship of New Bombyliid Taxa

Table 1 gives statistics on the numbers of new taxa described by various authors of Bombyliidae. Only those authors who have authored or co-authored over 100 new species-group names are listed. The columns include total numbers of new genera and total numbers of new species as well as numbers of taxonomically valid taxa for genera and species per author and percent validity.

**TABLE 1.** Authors who have described more than 100 species-group names of Bombyliidae.

author	genera	valid genera	% valid	species	valid species	% valid
Hesse	18	13	0.72	674	580	0.86
Bezzi	32	21	0.70	431	350	0.81
Paramonov	12	6	0.50	411	313	0.76
Loew	24	16	0.67	316	244	0.77
Evenhuis	29	23	0.79	265	230	0.87
Hall	7	6	0.86	240	222	0.93
Macquart	17	13	0.76	286	171	0.60
Zaitzev	3	1	0.33	178	169	0.95
Greathead	11	10	0.91	161	152	0.94
Walker	4	2	0.50	221	148	0.67
Wiedemann	8	5	0.62	181	139	0.77
Coquillett	9	7	0.78	145	123	0.85
Yeates	1	1	1.00	113	112	0.99
Bowden	8	7	0.88	119	112	0.94
Becker	16	8	0.50	167	101	0.60
Painter	5	5	1.00	113	98	0.87

## Online Availability of Catalog

The world catalog of Bombyliidae is available now on the web at: [<http://hbs.bishopmuseum.org/bombcat/>] where the original version and current versions are available as pdf files.

## Acknowledgments

We are grateful to the following who have given us corrections for errors in the original catalog and who have assisted in augmenting data on types, distributions, collectors, or dates of publication: Adrian C. Pont (Oxford), Carlos Lamas (Rio de Janeiro), Christine Lambkin (Canberra), Valery Korneyev (Kiev), Jozef Dils (Stabroek), Patrick Grootaert (Brussels), Marcos Báez (Tenerife), V.F. Zaitzev and Izya Kerzhner (St. Petersburg).

## Reference

Evenhuis, N.L. & Greathead, D.J. (1999) *World Catalog of Bee Flies (Diptera: Bombyliidae)*. Backhuys Publishers, Leiden. xlviii + 756 pp.

## CORRIGENDA

page(s)	item
xiii	line 24 up — “Gerontinae” should read “Gerontini”.
xiv	line 7 up — “Eclimini” should read “Ecliminae” and not be indented.
xvi	line 19 up — <i>Heteralonia</i> row: move “32” from <b>AU</b> to <b>OR</b>
xvi	line 31 up — <i>Aphoebantus</i> row: change “64” to “65” under <b>NE</b> column.
xxiii	line 25 up — “HLDH” should read “HLMD”.
16	lines 12-13 up — <i>Usia anus</i> Macquart ; delete “(= male S of <i>Usia vicina</i> Macquart)”.
18	line 8 down — <i>Usia cuprea</i> Macquart: “10S in UMO*”; 1S in MNHN*” should read “H in MNHN*”.
18	line 10 down — <i>Usia gagathea</i> Macquart: “1S” should read “H”.
19	line 6 up — <i>Usia vestita</i> ; delete “4S in UMO*”.
48	line 20 down — <i>Bombylius insularis</i> Bigot: “in BMNH*” should read “in MNHN*”
53	lines 5 and 6 down — “ <i>testacea</i> ” should read “ <i>testea</i> ”
107	line 19 down — <i>Bombylius unicolor</i> Bigot: “Italy” should read “Italy (Sicily)”.
107	line 19 up — “(Latreille, 1810: 414)” should read “(Latreille, 1810: 443)”
123	line 9 down — <i>Bombylius medius</i> var. <i>pallipes</i> ; delete “2S in UMO*”.

- 144 line 18 up — “**Palaeartic**” should read “**Afrotropical**”.
- 161 lines 19, 23, and 26 up — “Painter, 1933a” should read “Painter, 1933b”.
- 174–185 for the following species (in order of presentation in the catalog), the original genus “*Systeochus*” should read “*Systoechus*”:

aurifacies ssp. maliensis	austeni	autumnalis albibarbis
badipennis	badius	bechuanus
bombycinus var. bedfordi	bombycinus var. pallidispinis	brunnibasis
candidulus	candidus	canescens
canicapillus	canipectus	castanealis
cellularis	chlamydicterus	chrySTALLINUS
rufiarticulatus	croceipilus	sulphureus ssp. orientalis
damarensis	deceptus	eremophilus
exiguus	exilipes	faustus
flavicapillus	flavospinosus	fuliginus
fumipennis	fumitinctus	fusciventris
glabellula	goliath	gomezmenori
leucophaeus var. gallicus	gradatus var. validus	grandis
heteropogon	horridus	inordinatus
kalaharicus	lacus	leoninus
leucostictus	lightfooti	litoralis
longirostris	unicolor	marshalli
melampogon	mentiens	montanus
monticolanus	montuosus	namaquensis
neglectus	nigribarbus var. falsus	nigripes
nigripes var. plebeius	nigripes var. nomteleensis	nivalis
niveicomatus	oreas	pallidipilosus
phaeopterus	polioleucus	poweri
pumilio	quasiminimus	rhodesianus
robustus	rudebecki	salticolus
scabrirostris	segetus	silvaticus
silvaticus var. turneri	simplex	sinaiticus
eupogonatus	somali	spinithorax
srilankae	stevensoni	subcontiguus
submicans	subulinus	tesquorum
titan	transvaalensis	tumidifrons
ventricosus	vulgaris	vulpinus
waltoni	xanthoplocamus	xerophilus

- 178 line 8 up — “Portugal” should read “Morocco”.
- 188 line 1 down — Chad should be moved to under Afrotropical on p. 187.
- 193 line 26 up — *Conophorus melanoceratus* Bigot: “in MCZ\*” should read “in BMNH\*”.
- 197 line 2 down — *Legnotomyia fascipennis* Bezzi: “[L **here designated** (see Appendix 1) in ZMHB\*]” should read “[1S in ZMHB\*]”
- 231 line 3 down — *Amictus pictus*; delete “1S in UMO\*”.
- 231 line 8 up — *Amictus validus*; delete “5S in UMO\*”.
- 232 lines 19-20 up — *Callistoma fascipennis*: “1S in UMO\*” should read “T in

- UNKN”.
- 291 line 12 up — *Musca anthrax* Schrank: “**here designated** (see ...” should read “**here designated** by Evenhuis & Thompson (see ...)”.
- 313 line 6 down — *Anthrax plurinota*: “H” should read “L designated by Marston (1970: 111)”.
- 343 line 16 down: “**Palaeartic**: Eritrea, Saudi Arabia” should read “**Afrotropical**: Eritrea. **Palaeartic**: Saudi Arabia.”
- 345 line 5 up — *Pteraulax braunsi* Bezzi: “MNSM” should read “MSNM”.
- 347 lines 5-6 up — move *Corycetta* genus-group entry to p. 394 under *Heteralonia* (*Zygodipla*).
- 347 between lines 6 and 7 up — move *Cladodisca* genus-group entry to here from p. 383 and change to read as follows:  
 “CLADODISCA Bezzi, 1922b: 105 (as subgenus of *Exoprosopa* Macquart).  
 Type species: *Exoprosopa munda* Loew, 1869, by monotypy.”  
 [Note: all subsequent descriptions and type designations by Bezzi are nomenclaturally irrelevant.]
- 351 line 16 up — *Exoprosopa baccha* Loew: add “1S in UMO” after “14S in ZMHB\*”.
- 369 line 7 down — *Exoprosopa minois* Loew: “[= Greece, Syria, or Turkey]” should read “[= Turkey]”. Add “; 1S in UMO\* after 12S in ZMHB\*” [which was inadvertently placed under *minos* Meigen in the Catalog].
- 369 line 14–15 down — *Anthrax minos* Meigen; delete “1S in UMO\*”.
- 379 line 6 up — “*Anthrax stellifera* Walker” should read “*Anthrax stellifer* Walker”.
- 380 line 19 up — *Exoprosopa flavipennis* Brunetti: “NZSI” should read “BMNH\*”.
- 383 lines 8–10 up — move *Cladodisca* genus-group entry to p. 347.
- 390 line 1 up — “**Afrotropical**” should read “**Palaeartic**”.
- 393 line 20 down — *Exoprosopa delineata* Becker: “[H in ZMHB]” should read “[H in ZMHB\*]”.
- 394 between lines 18 and 19 up — move *Corycetta* genus-group entry on p. 347 to here.
- 405 line 22 up — *Hyperalonia flavosparsa* Bigot: “[H in BMNH\*]” should read “[L designated by Painter & Painter (1974: 146) in BMNH\*]”.
- 422 line 8 up — *Stomylomyia leonina* Bigot: “[2S in UMO\*]” should read “[1S in UMO\*]”.
- 422 line 10 up — *Tomomyza europaea* Loew: “[= Greece, Syria, or Turkey]” should read “[= Turkey]”.
- 429 line 21 down — *Anthrax uncinatus* Bigot — “H” should read “L designated by Painter & Painter (1974: 276)”.
- 434 line 21 down — *Anthrax tangerinus* Bigot — “S” should read “H”.
- 444 line 3 down — “1928b” should read “1928a”.
- 480 line 8 down — *Anthrax bifenstratus* Bigot — “S” should read “L designated by Painter & Painter (1962: 87)”.
- 480 line 12 up — *Anthrax perspicillaris* Loew: add “1S in UMO” after “19S in

- ZMHB\*”.
- 487 line 7 down — *Anthrax albulus* Loew: “3S in UMO\*” should read “1S in UMO\*”.
- 495 line 4 down — *Anthrax stoechades* Jaenicke: “[1S in UMO\*]” should read “[T (lost) in SMFD]”.
- 513 line 23 up: “1S in UMO\*” should be deleted.
- 540 line 20 down — “”collection in ZMKU” should read “collection in SIZK”.
- 550 between lines 3 and 4 up, add the following reference under Báez, M.:
- 1991 El género *Thiridanthrax* en las Islas Canarias (Diptera, Bombyliidae). *Bol. Asoc. Esp. Entomol.* 15: 53–56. [31 December 1991+]
- 601 line 11 up — “Pal, T.K.” should read “Pal, Tharun Kumar (1953– )”.
- 618 line 14 up — “Tucker, Elbert S.” should read “Tucker, Elbert Stephen”.
- 618 between lines 11 and 12 up — add the following author and reference:

**TURTON, WILLIAM** (1762–1835)

- 1801 *A general system of nature, through the three grand kingdoms, of animals, vegetables, and minerals: systematically divided into their several classes, orders, genera, species, and varieties, with their habitations, manners, economy, structure and peculiarities. Translated from Gmelin’s last edition of the celebrated Systema Naturae, by Sir Charles Linné: amended and enlarged by the improvements and discoveries of later naturalists and societies, with appropriate copper-plates.* Vol. III. Lackington, London. 784 p.
- 628 change dates for Zaitzev articles in *Entomol. Obozr.* as follows (information given below is original year, new year, changed publication date, and changed annotation):
- “1989b” should read “[1990]” “[2 February 1990]”  
 “[Date of receipt at ZIS; ... ]”
- “1991b” should read “[1992]” “[9 March 1992]”  
 “[Date of receipt at ZIS; ... ]”
- “1995” should read “[1996]” “[8 July 1996]”  
 “[Date of receipt at ZIS; ... ]”
- “1996b” should read “[1997]” “[30 February 1997]”  
 “[Date of receipt at ZIS; ... ]”
- “1997” should read “[1998]” “[30 January 1998]”  
 “[Date of receipt at ZIS; ... ]”
- 682 line 4 up — “*G. olivieri*” should read “*G. olivieri*”.
- 683 line 19 down — “hair ocellar triangle” should read “hair on ocellar triangle”
- 684 delete first line down (repeats from previous page).
- 684 line 10 down — “(Cadeau de Kerville)” should read “(Gadeau de Kerville)”.

- 684 line 14 down — “(Tereul, ZMAN)” should read “(Tereul, KBIN)”.
- 688 line 30 down — add “BMNH” to depositories for Bowker.
- 688 line 4 up — augment vital date for Calaby: “(1922–1998)”
- 689 line 10 down — augment name and vital dates: “Charykuliev, Dzhuma Muradovich (1931– )”.
- 690 line 17 down — add “ZMHB” to depositories.
- 690 line 19 down — augment name: “Doria, Laura ( - [D])”.
- 691 line 1 up — add “Spain” to countries for Guichard.
- 691 line 26 up — augment name: “Gillon, Yves”.
- 691 line 27 up — augment name: “Ghorpade, Kumar Dattajaro”.
- 691 line 13 down — augment name and vital dates: “Forbes, Gregory Scott (1947– )”.
- 693 line 9 up — add vital dates “(1947– )” for Lachaise.
- 695 line 13 down — add vital dates “(1963– )” for Miksch, Gabriel.
- 695 line 15 down — augment name and vital dates: “Mittre, Marius-Henri-Casimir (fl. 1831-1848)”.
- 696 line 30 up — “Peña, Luis E” should read “Peña [Guzmán], Luis E”.
- 697 line 17 down — add comma between “Riek” and “Edgar”.
- 699 line 3 up — augment name and vital dates: “Van Someren, Gurber (1913-1997)”.
- 699 line 15 up — augment name: “Tucker, Elbert Stephen”.
- 700 line 2 down — augment name and vital dates: “Vaucher, Hugues (1922- )”.
- 700 line 14 down — augment name and vital dates: “Wagner, Émil Roger (1868-[D])”.
- 700 line 13 up — augment vital dates for Wu Hong: “(1960– )”.
- 701 line 11 down — delete “Ing.”
- 734 line 19 down — mutilus Loew: change page from “437” to “479”.

#### Additions to Collectors of Types (p. 687–701):

Bellier de la Chavignerie, Émile (1821-1871)	Corsica, Sicily	UMO
Escalera, Manuel Martinez de la (fl. 1907-1914)	Spain	MNMS
Germain (fl. 1857)	Chile	BMNH
Lucas, J A W	Spain	KBIN
Mayet, Valéry (fl. 1879-1903)	Tunisia	KBIN
Seriziat, Charles-Victor-Émile (fl. 1868-86)	Algeria	UMO

#### Taxa Omitted:

- 14 add the following below *incisus* in the genus *Usia*:



*kassemi*

*Oligodranes kassemi* Paramonov, 1947: 220. *Nomen nudum*.

70 between lines 19 and 20 down: add the following junior synonym of *Toxophora amphitea*:

*Toxophora fucata* Osten Sacken, 1877: 267. *Nomen nudum*.

321 between lines 4 and 5 up: add the following as a junior synonym of *Satyramoeba hetrusca*:

*Bombylius haeruseus*: Turton, 1801: 684 (incorrect subsequent spelling of *Anthrax hetrusca* Fabricius, 1794).

340 add the following between *persicus* and *pusillus* in the genus *Aphoebantus*:

**petiolata**

*Aphoebantus petiolata* Hull, 1973: 322. TYPE LOCALITY: "Southwestern United States" [T in UNKN].

DISTRIBUTION: **Nearctic**: "Southwestern United States".

411 add the following as a junior synonym under *Anthrax tantalus*:

*Hyperalonia hyx* Brunetti, 1909b: 439. *Nomen nudum*.

478 add the following between *indigenus* and *kozlovi* in the genus *Thyridanthrax*:

**insularis**

*Thyridanthrax insularis* Báez, 1991: 54. TYPE LOCALITY: Canary Islands [H in MABC].

DISTRIBUTION: **Palaearctic**: Canary Is.

## ADDENDA

The following are additions to the catalog based on papers published since the catalog went to press and new information from us based on recent material examined. For new species added to the catalog, full entries are given below following the same format as the original catalog. For additions of data to previously described species (new synonymies, distributions, etc.), only the original combination, author and date are given under the species heading. Format of each species listing follows that of the original catalog including collection abbreviations. Depositories additional to those listed in the original catalog are identified below. Types seen by at least one of us are marked with an asterisk.

N.B.: Since publication of our catalog, South Africa (Northern Province) has changed its name to South Africa (Limpopo)

Add to list of type depository abbreviations:

FSCA	Florida State Collection of Arthropods, Gainesville, Florida, USA
NMNW	National Museum of Namibia, Windhoek Namibia.
NSMT	National Science Museum, Tokyo, Japan.
TAU	Department of Zoology, Tel Aviv University, Tel Aviv, Israel

Subfamily **USIINAE** Becker

Tribe **APOLYSINI** Evenhuis

Genus **APOLYSIS** Loew

**arenicola**

*Apolysis arenicola* Tabet, 1979. *Nomen nudum*.

*Apolysis arenicola* Tabet, 2001d: 53. TYPE LOCALITY: USA (Idaho) [H in CAS].

DISTRIBUTION: **Nearctic**: USA (Idaho).

**barri**

*Oligodranes barri* Tabet, 1979. *Nomen nudum*.

*Oligodranes barri* Tabet, 2001d: 54. TYPE LOCALITY: USA (Idaho) [H in CAS].

**COMB. N.**

DISTRIBUTION: **Nearctic**: USA (Idaho).

**brachycera**

*Apolysis brachycera* Hesse, 1938.

DISTRIBUTION: add: **Afrotropical**: Namibia.

**brevirostris**

*Apolysis brevirostris* Hesse, 1975.

DISTRIBUTION: add: **Afrotropical**: Namibia.

**eremophila**

*Apolysis eremophila* Loew, 1873.

Distribution: add: **Palearctic**: Croatia.

**flavifemoris**

*Oligodranes flavifemoris* Hesse, 1975.

DISTRIBUTION: add: **Afrotropical**: Namibia.

**humilis**

*Apolysis humilis* Loew, 1860.

DISTRIBUTION: add: **Afrotropical**: Namibia.

**maherniaphila***Apolysis maherniaphila* Hesse, 1938.DISTRIBUTION: add: **Afrotropical**: Namibia.**namaensis***Oligodranes namaensis* Hesse, 1938.DISTRIBUTION: add: **Afrotropical**: Namibia.**nauseosa***Oligodranes nauseosus* Tabet, 1979. *Nomen nudum*.*Oligodranes nauseosus* Tabet, 2001d: 55. TYPE LOCALITY: USA (Idaho) [H in CAS].**COMB. N.**DISTRIBUTION: **Nearctic**: USA (Idaho).**thornei***Apolysis thornei* Hesse, 1938.DISTRIBUTION: add: **Afrotropical**: Namibia.Tribe **USIINI** BeckerGenus **PARAGERON** Paramonov**gratus***Usia grata* Loew in Rosenhauer, 1856.DISTRIBUTION: add: **Palaeartic**: Jordan; delete: **Palaeartic**: Canary Islands.**loewi***Usia loewi* Becker, 1906. **COMB. N.** (transferred to *Parageron* from *Usia*).Genus **USIA** Latreille*VOLUCCELLA* Fabricius, 1794: 412. Type species: *Voluccella florea* Fabricius, 1794, automatic (by designation of type species for *Usia* Latreille).**USIA** Latreille, 1802: 430 (unjustified new replacement name for *Voluccella* Fabricius, 1794). Type species: *Voluccella florea* Fabricius, 1794, by subsequent designation of Latreille (1810: 443).

Note: The remark under *Usia* in the original catalog was written before the new I.C.Z.N. Code was published. An application to the I.C.Z.N. is no longer necessary. The following statement can resolve the situation.

[By virtue of I.C.Z.N. *Code* Article 23.9.1, whereby the criteria of both Articles 23.9.1.1 and 23.9.1.2 are met, *Usia* Latreille, 1802 is hereby valid and a *nomen protectum* by action of Article 23.9.2. *Voluccella* Fabricius, 1794, is hereby a *nomen oblitum*. A list of works giving evidence of the validity of *Usia* by use of its name as a valid taxon is given in the Appendix to this work.]

Subgenus **MICRUSIA** Evenhuis

**engeli**

*Usia engeli* Paramonov, 1950 (new move to subgenus *Micrusia* from nominate subgenus).

**sicula**

*Usia sicula* Egger, 1859.

DISTRIBUTION: add: **Palearctic**: Greece (Rhodes).

**versicolor**

*Bombylius versicolor* Fabricius, 1787.

DISTRIBUTION: add: **Palearctic**: Italy (Sicily).

Subgenus **USIA** Latreille

**aenea**

*Bombylius aeneus* Rossi, 1794.

DISTRIBUTION: delete: **Palearctic**: Czech Republic, Slovakia, Switzerland.

**atrata**

*Voluccella atrata* Fabricius, 1798.

DISTRIBUTION: add: **Palearctic**: France (Corsica); delete: **Palearctic**: Hungary, Slovakia, Switzerland.

**bicolor**

*Usia bicolor* Macquart, 1855.

DISTRIBUTION: add: **Palearctic**: Greece (Lesbos), Italy (Sicily), Jordan.

**ignorata**

*Usia ignorata* Engel, 1932.

DISTRIBUTION: add: **Palearctic**: Jordan.

**pallescens**

*Usia pallescens* Becker, 1906.

DISTRIBUTION: add: **Palearctic**: France, Portugal.

**similis**

*Usia similis* Paramonov, 1950.

DISTRIBUTION: add: **Palaeartic**: Malta.

Subfamily **PHTHIRIINAE** Becker

Tribe **PHTHIRIINI** Becker

Genus **PHTHIRIA** Meigen

**canescens**

*Phthiria canescens* Loew, 1846.

DISTRIBUTION: delete: **Palaeartic**: Finland, Slovakia, Switzerland.

**conspicua**

*Phthiria conspicua* Loew, 1846.

DISTRIBUTION: add: **Palaeartic**: Greece (Crete), Italy (Sicily), Spain (Mallorca).

**freidbergi**

*Phthiria freidbergi* Zaitzev, 2002a: 898 [2002b: 424]. TYPE LOCALITY: Israel [H in TAU].

DISTRIBUTION: **Palaeartic**: Israel.

**fulva**

*Phthiria fulva* Meigen, 1804.

DISTRIBUTION: delete: **Palaeartic**: Belgium.

**gaedii**

*Phthiria gaedii* Wiedemann, 1820.

DISTRIBUTION: add: **Palaeartic**: Cyprus, France (Corsica), Greece (Lefkas), Italy (Sardinia), Yugoslavia; delete: **Palaeartic**: Lithuania.

**lacteipennis**

*Phthiria lacteipennis* Strobl in Czerny & Strobl, 1909.

DISTRIBUTION: add: **Palaeartic**: France.

**nitidigena**

*Phthiria nitidigena* Hesse, 1975.

DISTRIBUTION: add: **Afrotropical**: Namibia.

**pulicaria**

*Bombylius pulicarius* Mikan, 1796.

DISTRIBUTION: add: **Palearctic**: Croatia, Czech Republic, Italy (Sicily), Spain (Balearic Islands); delete: **Palearctic**: Switzerland.

**pulla** ssp. **pulla**

*Phthiria pulla* Bezzi, 1922.

DISTRIBUTION: add: **Afrotropical**: Namibia.

**socotrae**

*Phthiria socotrae* Greathead & Evenhuis, 2001a: 7. TYPE LOCALITY: Yemen (Sokotra) [H in NMSA\*].

DISTRIBUTION: **Afrotropical**: Yemen (Sokotra).

**subnitens**

*Phthiria subnitens* Loew, 1846.

DISTRIBUTION: add: **Palearctic**: France, Greece (Crete), Italy (Sardinia), Macedonia, Spain.

**umbripennis**

*Phthiria umbripennis* Loew, 1846.

DISTRIBUTION: add: **Palearctic**: Cyprus, Greece (Crete), Italy (Sardinia), Portugal.

**vagans**

*Phthiria vagans* Loew, 1846.

DISTRIBUTION: add: **Palearctic**: Greece (Corfu, Crete, Kephallonia); delete: **Palearctic**: Lithuania.

Subfamily **TOXOPHORINAE** Schiner

Tribe **GERONTINI** Hesse

**albidipennis**

*Geron albidipennis* Loew, 1870.

DISTRIBUTION: add: **Nearctic**: Mexico (Sonora).

**albipilosus**

*Geron albipilosus* Hall & Evenhuis, 2003: 17. TYPE LOCALITY: USA (New Mexico) [H in USNM\*].

DISTRIBUTION: **Nearctic**: USA (California, Colorado, Nevada, New Mexico, Utah).

**arenicola**

*Geron arenicola* Painter, 1932.

DISTRIBUTION: add: **Nearctic**: USA (Nevada).

**argutus**

*Geron argutus* Painter, 1932.

*Geron perplexus* Tabet, 2001c: 49. TYPE LOCALITY: USA (Idaho) [H in CAS\*] (new synonymy in Hall & Evenhuis, 2003: 20).

**asiaticus**

*Geron asiaticus* Zaitzev, 1967.

*Geron paramonovi* Greathead, 2001b: 166. TYPE LOCALITY: Ukraine [H in ZMHB\*]. [Preoccupied by Evenhuis, 1979.] **SYN. N.**

DISTRIBUTION: add: **Palearctic**: Armenia, Ukraine.

**borealis**

*Geron borealis* Hall & Evenhuis, 2003: 23. TYPE LOCALITY: USA (Nevada) [H in USNM\*].

DISTRIBUTION: **Nearctic**: USA (Nevada).

**confusus**

*Geron confusus* Hall & Evenhuis, 2003: 24. TYPE LOCALITY: USA (Arizona) [H in FSCA\*].

DISTRIBUTION: **Nearctic**: USA (Arizona, New Mexico, Texas).

**cressoni**

*Geron cressoni* Hall & Evenhuis, 2003: 26. TYPE LOCALITY: USA (Colorado) [H in USNM\*].

DISTRIBUTION: **Nearctic**: USA (Arizona, Colorado, New Mexico, Washington)

**elachys**

*Geron elachys* Hall & Evenhuis, 2003: 27. TYPE LOCALITY: USA (California) [H in USNM\*].

DISTRIBUTION: **Nearctic**: USA (Arizona, California, Nevada).

**eriogonae**

*Geron eriogonae* Hall & Evenhuis, 2003: 28. TYPE LOCALITY: USA (California) [H in USNM\*].

DISTRIBUTION: **Nearctic**: Mexico (San Luis Potosí, Sonora, Zacatecas), USA (Arizona, California, Colorado, Nevada, New Mexico, Utah, Washington, Wyoming).

**erythropus**

*Geron gibbosus* var. *erythropus* Bezzi, 1925.

DISTRIBUTION: add: **Palaeartic**: Jordan.

**furcifer**

*Geron furcifer* Hesse, 1938.

DISTRIBUTION: add: **Afrotropical**: Namibia.

**gibbosus**

*Geron gibbosus* Olivier, 1789.

DISTRIBUTION: add: **Palaeartic**: Greece (Rhodes, Thasos), Israel, ?Spain, Turkey.

**halli**

*Geron halli* Evenhuis in Hall & Evenhuis, 2003: 32. TYPE LOCALITY: USA (Missouri) [H in USNM\*].

DISTRIBUTION: **Nearctic**: USA (Missouri).

**halteralis**

*Geron halteralis* Wiedemann in Meigen, 1820.

DISTRIBUTION: add: **Palaeartic**: Italy (Sardinia)

**holosericeus**

*Geron holosericeus* Walker, 1849.

*Geron saxosus* Tabet, 1979 (synonymy in Hall & Evenhuis, 2003: 33).

*Geron saxosus* Tabet, 2001c: 51. TYPE LOCALITY: USA (Idaho) [H in CAS\*] (synonymy in Hall & Evenhuis, 2003: 33).

DISTRIBUTION: add: **Nearctic**: Mexico (Colima, Durango, Morelos). **Neotropical**: El Salvador, Guatemala, Nicaragua.

**infrequens**

*Geron infrequens* Hall & Evenhuis, 2003: 35. TYPE LOCALITY: USA (California) [H in USNM\*].

DISTRIBUTION: **Nearctic**: USA (California).

**kaszabi**

*Geron kaszabi* Zaitzev, 1972.

DISTRIBUTION: add: **Palaeartic**: Uzbekistan.

**kozlovi**

*Geron kozlovi* Zaitzev, 1972.

DISTRIBUTION: add: **Palaeartic**: Iran, Turkey, Uzbekistan.



**krymensis**

*Geron krymensis* Paramonov, 1929.

DISTRIBUTION: add: **Palaeartic**: Jordan; delete: **Palaeartic**: Hungary.

**macquarti**

*Geron macquarti* Greathead in Evenhuis & Greathead, 1999.

DISTRIBUTION: add: **Palaeartic**: Turkey.

**meigeni**

*Geron meigeni* Greathead, 2001b: 170. TYPE LOCALITY: Italy (Sardinia) [H in ZMAN\*].

DISTRIBUTION: **Palaeartic**: Algeria, Italy (Sardinia).

**michaili**

*Geron michaili* Zaitzev, 1972.

DISTRIBUTION: add: **Palaeartic**: Algeria, Tunisia, Turkmenistan, Ukraine.

**monticola**

*Geron monticola* Hall & Evenhuis, 2003: 37. TYPE LOCALITY: USA (California) [H in USNM\*].

DISTRIBUTION: **Nearctic**: USA (California).

**mystacinus**

*Geron mystacinus* Bezzi, 1924.

DISTRIBUTION: Spain now confirmed (i.e.; delete “?”).

**nevadensis**

*Geron nevadensis* Hall & Evenhuis, 2003: 40. TYPE LOCALITY: USA (Nevada) [H in USNM\*].

DISTRIBUTION: **Nearctic**: Mexico (Morelos), USA (Arizona, California, Nevada, Utah).

**notios**

*Geron notios* Hall & Evenhuis, 2003: 44. TYPE LOCALITY: USA (Arizona) [H in CAS\*].

DISTRIBUTION: **Nearctic**: Mexico (Nayarít, Sonora), USA (Arizona, California, Texas).

**olivierii**

*Geron olivierii* Macquart, 1840.

DISTRIBUTION: add: **Palaeartic**: Armenia, Croatia, Greece (Kephalonia, Naxos, Poros, Rhodes), Italy, Jordan, Spain, Turkmenistan.

**painteri**

*Geron painteri* Hall & Evenhuis, 2003: 46. TYPE LOCALITY: USA (Arizona) [H in USNM\*].

DISTRIBUTION: **Nearctic**: USA (Arizona, California, New Mexico).

**peucon**

*Geron peucon* Hall & Evenhuis, 2003: 48. TYPE LOCALITY: USA (California) [H in USNM\*].

DISTRIBUTION: **Nearctic**: USA (Arizona, California, Idaho, Nevada, Utah).

**prosopidis**

*Geron prosopidis* Hall & Evenhuis, 2003: 50. TYPE LOCALITY: USA (California) [H in USNM\*].

DISTRIBUTION: **Nearctic**: Canada (British Columbia), Mexico (Nuevo León), USA (Arizona, California, Colorado, Kansas, Nevada, Utah, Washington, Wyoming).

**psammobates**

*Geron psammobates* Hesse, 1938.

DISTRIBUTION: add: **Afrotropical**: Namibia.

**senilis**

*Geron senilis* Fabricius, 1794.

*Geron antologos* Tabet, 2001c: 48. TYPE LOCALITY: USA (Idaho) [H in CAS\*] (new synonymy in Hall & Evenhuis, 2003: 55).

DISTRIBUTION: add: **Nearctic**: Mexico (Durango, San Luis Potosí, Veracruz-Llave), USA (Illinois, Maryland, New Jersey, Virginia). **Neotropical**: Mexico (Oaxaca).

**smirnovi**

*Geron smirnovi* Zaitzev, 1978.

DISTRIBUTION: add: **Palearctic**: Jordan, Turkey.

**stenos**

*Geron stenos* Hall & Evenhuis, 2003: 58. TYPE LOCALITY: USA (California) [H in USNM\*].

DISTRIBUTION: **Nearctic**: USA (California).

**subauratus**

*Geron subauratus* Loew, 1863.

DISTRIBUTION: add: **Nearctic**: USA (New York, Virginia).

**syriacus**

*Geron syriacus* Zaitzev, 2002c: 439. TYPE LOCALITY: Lebanon [H in NHRS].

DISTRIBUTION: **Palearctic**: Lebanon.

**weemsi**

*Geron weemsi* Hall & Evenhuis, 2003: 65. TYPE LOCALITY: USA (Florida) [H in FSCA\*].

DISTRIBUTION: **Nearctic**: USA (Florida).

Tribe **SYSTROPODINI** Brauer

Genus **SYSTROPUS** Wiedemann

**liuae**

*Systropus liuae* Nagatomi, Tamaki & Evenhuis, 2000: 16. TYPE LOCALITY: Japan [H in NSMT\*].

DISTRIBUTION: **Oriental**: Taiwan. **Palearctic**: Japan.

Tribe **TOXOPHORINI** Schiner

Genus **TOXOPHORA** Meigen

**australis**

*Toxophora australis* Hesse, 1938.

DISTRIBUTION: add: **Afrotropical**: Namibia.

**fasciculata**

*Asilus fasciculatus* Villers, 1789.

DISTRIBUTION: add: **Palearctic**: Greece (Crete, Ithaca, Rhodes); delete: **Palearctic**: Czech Republic, Germany, Slovakia, Switzerland.

**gittinsi**

*Toxophora gittinsi* Tabet, 1979.

*Toxophora gittinsi* Tabet, 2001a: 44. TYPE LOCALITY: USA (Idaho) [H in CAS].

DISTRIBUTION: **Nearctic**: USA (Idaho).

**obliquisquamosa**

*Toxophora obliquisquamosa* Hesse, 1938.

DISTRIBUTION: add: **Afrotropical**: Namibia.

**quadricellulata***Toxophora quadricellulata* Hesse, 1938.DISTRIBUTION: add: **Afrotropical**: Namibia.Subfamily **HETEROTROPINAE** BeckerGenus **HETEROTROPUS** Loew**apertus***Heterotropus apertus* Greathead, 2000: 57. TYPE LOCALITY: Namibia [H in NMNW\*].DISTRIBUTION: **Afrotropical**: Namibia.**israeliensis***Heterotropus israeliensis* Zaitzev, 2002a: 896 [2002b: 426]. TYPE LOCALITY: Israel [H in TAU].DISTRIBUTION: **Palearctic**: Israel.**kaplanae***Heterotropus kaplanae* Zaitzev, 2002a: 898 [2002b: 428]. TYPE LOCALITY: Israel [H in TAU]DISTRIBUTION: **Palearctic**: Israel.**taurus***Heterotropus taurus* Bowden, 1967.DISTRIBUTION: add: **Palearctic**: Greece (Rhodes).Subfamily **BOMBYLIINAE** LatreilleTribe **BOMBYLIINI** LatreilleGenus **ANASTOECHUS** Osten Sacken**bahirae***Anastoechus bahirae* Becker, 1915.DISTRIBUTION: add: **Palearctic**: Jordan.**exalbidus***Bombylius exalbidus* Wiedemann in Meigen, 1820DISTRIBUTION: add: **Palearctic**: France (Corsica).

**fulvescens**

*Anastoechus fulvescens* Becker in Becker & Stein, 1913.

DISTRIBUTION: add: **Palearctic**: Spain.

**hyrcanus**

*Bombylius hyrcanus* Pallas & Wiedemann in Wiedemann, 1818.

DISTRIBUTION: add: **Palearctic**: ?Azores, Greece (Poros).

**innocuus**

*Anastoechus innocuus* Bezzi, 1921.

DISTRIBUTION: add: **Afrotropical**: Namibia.

**leucosoma**

*Anastoechus leucosoma* Bezzi, 1921.

DISTRIBUTION: add: **Afrotropical**: Namibia.

**nitidulus**

*Anastoechus nitidulus* Fabricius, 1794.

*Anastoechus olivaceus* Paramonov, 1930. **SYN. N.**

*Anastoechus olivaceus* var. *corsicanus* Paramonov, 1930. **SYN. N.**

*Anastoechus olivaceus* var. *corsicanus* Zaitzev, 1989. **SYN. N.**

DISTRIBUTION: add: **Palearctic**: Cyprus, France (Corsica), Finland, Greece (Rhodes), Jordan, Poland, Ukraine; delete: **Palearctic**: Belgium.

**varipecten**

*Anastoechus varipecten* Bezzi, 1921.

*Anastoechus leucochroicus* Hesse, 1938: 373. **SYN. N.**

DISTRIBUTION: add: **Afrotropical**: Namibia, South Africa (Western Cape).

Genus **AUSTRALOECHUS** Greathead**naibensis**

*Bombylius naibensis*, Hesse, 1961.

DISTRIBUTION: add: **Afrotropical**: Namibia.

**peringueyi**

*Bombylius peringueyi* Bezzi, 1921.

DISTRIBUTION: add: **Afrotropical**: Namibia.

**punctifer**

*Bombylius punctifer* Bezzi, 1921.

DISTRIBUTION: add: **Afrotropical**: Namibia.

Genus **BECKERELLUS** Greathead**androgynus***Bombylius androgynus* Loew, 1855.DISTRIBUTION: add: **Palaeartic**: Greece (Corfu, Ithaca, Kephallonia).Genus **BOMBOMYIA** Greathead**discoidea***Bombylius discoideus* Fabricius, 1784.DISTRIBUTION: add: **Palaeartic**: Bulgaria,**vertebralis***Bombylius punctatus* Fabricius, 1794. **SYN. N.***Bombilius vertebralis* Dufour, 1833.*Bombylius sticticus* Boisduval, 1835. **SYN. N.***Bombylius subluna* Walker, 1849. **SYN. N.**DISTRIBUTION: **Palaeartic**: Afghanistan, Albania, Algeria, Armenia, Austria, Azerbaijan, Bosnia-Herzegovina, Croatia, Czech Republic, Egypt, France, Gibraltar, Greece (incl. Corfu, Lesbos), Gruzia, Hungary, Iran, Iraq, Israel, Italy (incl. Sardinia, Sicily), Kazakhstan, Kuwait, Kyrgyz Republic, Lebanon, Libya, Moldova, Morocco, Portugal, Romania, Russia (SET), Spain, Syria, Tajikistan, Tunisia, Turkey, Turkmenistan, Ukraine, United Arab EmiratesGenus **BOMBYLELLA** Greathead**atra***Bombylius ater* Scopoli, 1763.DISTRIBUTION: add: **Palaeartic**: France (Corsica), Germany, Greece (Corfu, Lefkas), Jordan, Moldova, Portugal; delete: **Palaeartic**: Lithuania.**elegans***Bombylius elegans* Wiedemann, 1828.DISTRIBUTION: add: **Afrotropical**: South Africa (Kwazulu-Natal, Limpopo)**rufiventris***Bombylius rufiventris* Macquart, 1846.DISTRIBUTION: add: **Afrotropical**: Tanzania.**simulans***Bombylius simulans* Austen, 1937.DISTRIBUTION: add: **Palaeartic**: Jordan.

**album**

*Bombylisoma album* Greathead, 2000: 59. TYPE LOCALITY: Namibia [H in NMNW\*].

DISTRIBUTION: **Afrotropical**: Namibia.

**breviusculum**

*Bombylius brevisculus* Loew, 1855.

DISTRIBUTION: delete: **Palaeartic**: Germany, Poland.

**croaticum**

*Bombylius croaticus* Kertész, 1901.

DISTRIBUTION: delete: **Palaeartic**: Czech Republic, Germany, Poland, Slovakia, Switzerland.

**flavibarbum**

*Bombylius flavibarbus* Loew, 1855.

DISTRIBUTION: delete: **Palaeartic**: Spain.

**melanocephalum**

*Bombylius melanocephalus* Fabricius, 1794.

DISTRIBUTION: delete: **Palaeartic**: Czech Republic, Hungary, Slovakia, Switzerland.

**minimum**

*Bombylius minimus* Scopoli, 1771.

DISTRIBUTION: delete: **Palaeartic**: Germany.

**nigriceps**

*Dischistus nigriceps* Loew, 1862.

DISTRIBUTION: delete: **Palaeartic**: Switzerland.

**nucale**

*Dischistus nucalis* Bezzi, 1924.

DISTRIBUTION: add: **Afrotropical**: Namibia.

**unicolor**

*Bombylius unicolor* Loew, 1855.

DISTRIBUTION: add: **Palaeartic**: Austria, Portugal.

Genus **BOMBYLIUS** LinnaeusSubgenus **BOMBYLIUS** Linnaeus**aksarayensis**

*Bombylius aksarayensis* Hasbenli & Zaitzev, 2000: 105. TYPE LOCALITY: Turkey [H in ZMGU].

DISTRIBUTION: **Palaeartic**: Turkey.

**ambustus**

*Bombylius ambustus* Pallas & Wiedemann in Wiedemann, 1818.

DISTRIBUTION: delete: **Palaeartic**: Czech Republic, Germany, Lithuania, Slovakia, Switzerland.

 **analis ssp. analis**

*Bombylius analis* Olivier, 1789.

DISTRIBUTION: delete: **Palaeartic**: Lithuania, Switzerland.

**candidus**

*Bombylius candidus* Loew, 1855.

DISTRIBUTION: delete: **Palaeartic**: Germany.

**canescens**

*Bombylius canescens* Mikan, 1796.

DISTRIBUTION: add: **Palaeartic**: Andorra, Greece (Crete, Ithaca), Jordan; delete: **Palaeartic**: Lithuania, UK (Northern Ireland).

**cinerascens**

*Bombylius cinerascens* Mikan, 1796.

DISTRIBUTION: add: **Palaeartic**: Andorra, Cyprus, France (Corsica), Greece (Crete, Rhodes), Jordan, Portugal, Spain (Isla Cabrera).

**citrinus**

*Bombylius citrinus* Loew, 1855.

DISTRIBUTION: delete: **Palaeartic**: Germany, Poland

**discolor**

*Bombylius discolor* Mikan, 1796.

DISTRIBUTION: add: **Palaeartic**: Greece (Crete), Netherlands.

**fimbriatus ssp. fimbriatus**

*Bombylius fimbriatus* Meigen, 1820.

DISTRIBUTION: add: **Palaeartic**: Bosnia-Herzegovina, Greece (Crete, Lesbos),



Jordan, Portugal, Switzerland; delete: **Palaeartic**: Lithuania.

**fulvescens**

*Bombylius fulvescens* Wiedemann in Meigen, 1820.

DISTRIBUTION: add: **Palaeartic**: Egypt.

**fuscus**

*Bombylius fuscus* Fabricius, 1781.

DISTRIBUTION: add: **Palaeartic**: Croatia, France, Jordan.

**major**

*Bombylius major* Linnaeus, 1758.

DISTRIBUTION: add: **Palaeartic**: Jordan; delete: **Palaeartic**: UK (Northern Ireland).

**medius**

*Bombylius medius* Linnaeus, 1758.

DISTRIBUTION: add: **Palaeartic**: Greece (Corfu, Crete, Lesbos), Jordan, Norway.

**mendax**

*Bombylius mendax* Austen, 1937.

DISTRIBUTION: add: **Palaeartic**: Jordan.

**minor**

*Bombylius minor* Linnaeus, 1758.

*Bombylius flavescens* Palm, 1876. **SYN. N.**

*Bombylius minor* var. *ochraceus* Paramonov, 1926. **SYN. N.**

*Bombylius luteolus* Evenhuis, 1978. **SYN. N.**

*Bombylius thapsinoides* Evenhuis, 1978. **SYN. N.**

DISTRIBUTION: add: **Palaeartic**: Croatia, France (Corsica), Greece (Corfu, Keph-  
alonia, Lefkas, Poros, Rhodes); delete: **Palaeartic**: Lithuania, Netherlands,  
Switzerland.

**modestus**

*Bombylius modestus* Loew 1873.

DISTRIBUTION: add: **Palaeartic**: Greece (Corfu, Poros, Rhodes, Zakyntos), Jordan.

**mus**

*Bombylius mus* Bigot, 1862.

DISTRIBUTION: add: **Palaeartic**: Spain (Balearic Islands); delete: **Palaeartic**:  
Hungary.

**niveus**

*Bombylius niveus* Meigen, 1804.

DISTRIBUTION: add: **Palaeartic**: Croatia, Greece (Poros).

**nubilus** ssp. **nubilus**

*Bombylius nubilus* Mikan, 1796.

DISTRIBUTION: add: **Palaeartic**: Turkey.

**pallens**

*Bombylius pallens* Wiedemann, 1820.

DISTRIBUTION: add: **Palaeartic**: Spain (Balearic Islands).

**posticus**

*Bombylius posticus* Fabricius, 1805.

DISTRIBUTION: add: **Palaeartic**: Greece (Corfu, Crete, Ithaca, Rhodes, Santorini, Zakynthos), Jordan, Lithuania.

**pumilus**

*Bombylius pumilus* Meigen, 1820.

DISTRIBUTION: add: **Palaeartic**: France (Corsica), Greece (Ithaca, Lesbos), Jordan; delete: **Palaeartic**: Germany, Poland.

**semifuscus**

*Bombylius semifuscus* Meigen, 1820.

DISTRIBUTION: delete: **Palaeartic**: Germany, Slovakia.

**spinulosus**

*Bombylius spinulosus* Hasbenli & Zaitzev, 2000: 106. TYPE LOCALITY: Turkey [H in ZMGU].

DISTRIBUTION: **Palaeartic**: Turkey.

**trichurus**

*Bombylius trichurus* Pallas in Wiedemann, 1818.

*Bombylius rhodius* Loew, 1855. **SYN. N.**

DISTRIBUTION: add: **Palaeartic**: Jordan, Yugoslavia (Montenegro); delete: **Palaeartic**: Czech Republic, Slovakia.

**venosus**

*Bombylius venosus* Mikan 1796.

DISTRIBUTION: add: **Palaeartic**: Spain (Mallorca); delete: **Palaeartic**: Lithuania.

Subgenus **ZEPHYRECTES** Evenhuis

ZOOTAXA

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**cinerarius**

*Bombylius cinerarius* Pallas & Wiedemann in Wiedemann, 1818.

DISTRIBUTION: add: **Palaeartic**: France (Corsica); delete: **Palaeartic**: Hungary, Slovakia.

**cruciatus**

*Bombylius cruciatus* Fabricius, 1798.

DISTRIBUTION add: **Palaeartic**: France (Corsica), Greece (Crete), Portugal; delete: **Palaeartic**: Belgium, Poland.

**incanus**

*Bombylius incanus* Johnson, 1907.

DISTRIBUTION: add: **Nearctic**: USA (Connecticut, Georgia).

**quadrifarius**

*Bombylius quadrifarius* Loew, 1855.

DISTRIBUTION: add: **Palaeartic**: Jordan.

Genus **DISCHISTUS** Loew

**syriacus**

*Bombylius syriacus* Villeneuve, 1912.

DISTRIBUTION: add: **Palaeartic**: Jordan.

Genus **EUPREPINA** Hull

**nuda**

*Euprepina nuda* Hull, 1971.

DISTRIBUTION: add: **Neotropical**: Brazil (Minas Gerais).

Genus **GONARTHUS** Bezzi

**chloroxanthus**

*Gonarthrus chloroxanthus* Hesse, 1938.

DISTRIBUTION: add: **Afrotropical**: Namibia.

Genus **HETEROSTYLUM** Macquart**croceum***Heterostylum croceum* Painter, 1930.DISTRIBUTION: add: **Nearctic**: USA (Illinois).Genus **NEOBOMBYLODES** Evenhuis**giganteus***Dischistus giganteus* Villeneuve, 1920.DISTRIBUTION: add: **Palaeartic**: Jordan.Genus **SYSTOECHUS** Loew**autumnalis***Bombylius autumnalis* Pallas & Wiedemann in Wiedemann, 1818.DISTRIBUTION: delete: **Palaeartic**: Czech Republic, Hungary, Slovakia.**ctenopterus***Bombylius ctenopterus* Mikan, 1796.*Bombylius aurulentus* Wiedemann in Meigen, 1820. **SYN. N.**DISTRIBUTION: add: **Palaeartic**: Bosnia-Herzegovina, Egypt, France (Corsica), Greece (Corfu, Crete), Italy (Sardinia); delete: **Palaeartic**: Netherlands.**deceptus***Systoechus deceptus* Hesse, 1938.DISTRIBUTION: add: **Afrotropical**: Namibia.**gomezmenori***Systoechus gomezmenori* Andréu Rubio, 1959.DISTRIBUTION: delete: **Palaeartic**: Germany, Spain.**gradatus***Bombylius gradatus* Wiedemann in Meigen, 1820.*Bombylius lucidus* Loew, 1855. **SYN. N.***Systoechus tesquorum* Becker, 1916. **SYN. N.**DISTRIBUTION: add: **Palaeartic**: Afghanistan, France (Corsica), Kazakhstan, Macedonia, Moldova, Morocco, Poland, Russia (SET), Tunisia, Turkey, Ukraine; delete: **Palaeartic**: Germany.

**longirostris**

*Systoechus longirostris* Becker, 1916.

DISTRIBUTION: add: **Palearctic**: Jordan; delete: **Palearctic**: Germany.

**microcephalus**

*Bombylius microcephalus* Loew, 1855.

DISTRIBUTION: add: **Palearctic**: Spain.

Genus **TRIPLASIUS** Loew**pictus**

*Bombylius pictus* Panzer, 1794.

DISTRIBUTION: add: **Palearctic**: Bosnia-Herzegovina, Croatia, Slovenia.

Tribe **CONOPHORINI** BeckerGenus **CONOPHORUS** Meigen**fuliginosus**

*Ploas fuliginosus* Wiedemann, 1820.

DISTRIBUTION: add: **Palearctic**: Gibraltar.

**glaucescens**

*Ploas glaucescens* Loew, 1863.

DISTRIBUTION: add: **Palearctic**: Greece (Lesbos), Jordan.

**griseus**

*Bombylius griseus* Fabricius, 1787.

DISTRIBUTION: add: **Palearctic**: Portugal.

**macroglossus**

*Ploas macroglossa* Dufour, 1852.

DISTRIBUTION: add: **Palearctic**: France.

**nobilis**

*Ploas nobilis* Loew, 1873.

DISTRIBUTION: add: **Palearctic**: Greece (Lesbos), Jordan.

**pusillus**

*Ploas pusillus* Loew, 1869.

DISTRIBUTION: add: **Palaeartic**: Greece (Lesbos).

**rossicus**

*Conophorus rossicus* Paramonov, 1929.

DISTRIBUTION: delete: **Palaeartic**: Czech Republic, Slovakia.

**virescens**

*Bombylius virescens* Fabricius, 1789.

DISTRIBUTION: add: **Palaeartic**: Bulgaria, Croatia, Greece (Corfu), Macedonia, Romania, Slovenia; delete: **Palaeartic**: Lithuania.

Genus **LEGNOTOMYIA** Bezzi

**cineracea**

*Legnotomyia cineracea* Austen, 1937.

DISTRIBUTION: add: **Palaeartic**: Jordan.

**trichorhoea**

*Bombylius trichoroeus* Loew, 1855.

DISTRIBUTION: add: **Palaeartic**: Jordan.

Genus **NOTOLEGNOTUS** Greathead & Evenhuis

**NOTOLEGNOTUS** Greathead & Evenhuis, 2001b: 163. Type species *Notolegnotus brevis* Greathead & Evenhuis, 2001, by original designation.

**brevis**

*Notolegnotus brevis* Greathead & Evenhuis, 2001b: 164. TYPE LOCALITY: Namibia [H in NMSA].

DISTRIBUTION: **Afrotropical**: Namibia.

Subfamily **ECLIMINAE** Hall

Genus **ECLIMUS** Loew

**gracilis**

*Eclimus gracilis* Loew, 1844.

DISTRIBUTION: add: **Palaeartic**: Greece (Kephalaria, Ithaca, Lesbos).

**cuthbertsoni**

*Paratoxophora cuthbertsoni* Engel, 1936.

DISTRIBUTION: add: **Afrotropical**: Namibia.

Subfamily **CROCIDIINAE** Hull

Genus **APATOMYZA** Wiedemann

**APATOMYZA** Wiedemann, 1820.

*Adelogenys* Hesse, 1938: 811. Type species *Adelogenys culicoides* Hesse, 1938. (synonymy by Lamas, Evenhuis & Couri, 2001: 176.)

**aurea**

*Apatomyza aurea* Lamas, Evenhuis & Couri, 2003: 101. TYPE LOCALITY: South Africa (Western Cape) [H in NMSA\*].

DISTRIBUTION: **Afrotropical**: South Africa (Western Cape).

**bethuliensis**

*Apatomyza bethuliensis* Lamas, Evenhuis & Couri, 2003: 97. TYPE LOCALITY: South Africa (Free State) [H in NMSA\*].

DISTRIBUTION: **Afrotropical**: South Africa (Free State).

**braunsi**

*Adelogenys braunsi* Hesse, 1938 (new combination in Lamas, Evenhuis & Couri, 2001: 178).

DISTRIBUTION: add: **Afrotropical**: South Africa (Northern Cape, Western Cape).

**capensis**

*Apatomyza capensis* Lamas, Evenhuis & Couri, 2001: 178. TYPE LOCALITY: South Africa (Western Cape) [H in NMSA\*].

DISTRIBUTION: **Afrotropical**: South Africa (Western Cape).

**culicoides**

*Adelogenys culicoides* Hesse, 1938 (new combination in Lamas, Evenhuis & Couri, 2001: 180).

**desertica**

*Apatomyza desertica* Lamas, Evenhuis & Couri, 2001: 182. TYPE LOCALITY: Namibia [H in NMSA\*].

DISTRIBUTION: **Afrotropical**: Namibia.

**glabripleura**

*Apatomyza glabripleura* Lamas, Evenhuis & Couri, 2003: 103. TYPE LOCALITY: South Africa (Western Cape) [H in NMSA\*].

DISTRIBUTION: **Afrotropical**: South Africa (Western Cape).

**irwini**

*Apatomyza irwini* Lamas, Evenhuis & Couri, 2001: 183. TYPE LOCALITY: South Africa (Northern Cape) [H in NMSA\*].

DISTRIBUTION: **Afrotropical**: South Africa (Northern Cape), Namibia.

**proboscidea**

*Apatomyza proboscidea* Lamas, Evenhuis & Couri, 2003: 99. TYPE LOCALITY: South Africa (Free State) [H in NMSA\*].

DISTRIBUTION: **Afrotropical**: South Africa (Eastern Cape, Free State).

**punctipennis**

*Apatomyza punctipennis* Wiedemann, 1820.

*Adelogenys namaquaensis* Hesse, 1938 (new synonymy in Lamas, Evenhuis & Couri, 2001: 185).

DISTRIBUTION: add: **Afrotropical**: Namibia, South Africa (Northern Cape).

Genus **CROCIDIUM** Loew**dichopticum**

*Crocidium dichopticum* Hesse, 1963.

DISTRIBUTION: add: **Afrotropical**: Namibia.

**fuscum**

*Crocidium fuscum* Greathead, 2000: 60. TYPE LOCALITY: Namibia [H in NMNW\*]

DISTRIBUTION: **Afrotropical**: Namibia.

**giganteum**

*Crocidium giganteum* Lamas, Evenhuis & Couri, 2003: 104. TYPE LOCALITY: South Africa (Northern Cape) [H in NMSA\*].

DISTRIBUTION: **Afrotropical**: South Africa (Northern Cape).

**globithorax**

*Crocidium globithorax* Lamas, Evenhuis & Couri, 2003: 108. TYPE LOCALITY: South Africa (Northern Cape) [H in NMSA\*].

DISTRIBUTION: **Afrotropical**: South Africa (Northern Cape).



**hessei**

*Crocidium hessei* Lamas, Evenhuis & Couri, 2003: 106. TYPE LOCALITY: South Africa (Northern Cape) [H in NMSA\*].

DISTRIBUTION: **Afrotropical**: South Africa (Northern Cape).

**immaculatum**

*Crocidium immaculatum* Bezzi, 1922.

DISTRIBUTION: add: **Afrotropical**: Namibia.

**pallens**

*Crocidium pallens* Greathead, 2000: 61. TYPE LOCALITY: Namibia [H in NMNW\*]

DISTRIBUTION: **Afrotropical**: Namibia.

Subfamily **MARIOBEZZIINAE** Becker

Genus **CORSOMYZA** Wiedemann

**eremobia**

*Corsomyza eremobia* Hesse, 1938.

DISTRIBUTION: add: **Afrotropical**: Namibia.

Genus **HYPERUSIA** Bezzi

**apiformis**

*Hyperusia apiformis* Greathead & Evenhuis, 2001b: 170. TYPE LOCALITY: Tanzania [H in BMNH\*].

DISTRIBUTION: **Afrotropical**: Tanzania.

Genus **MEGAPALPUS** Macquart

**capensis**

*Phthiria capensis* Wiedemann, 1828.

DISTRIBUTION: add: **Afrotropical**: Namibia.

Subfamily **CYTHEREINAE** Becker

Genus **AMICTUS** Wiedemann

**minor**

*Amictus minor* Austen, 1937.

DISTRIBUTION: delete: **Palaeartic**: Italy.

**obliquenotatus**

*Amictus obliquenotatus* Austen, 1937.

DISTRIBUTION: add: **Palaeartic**: Jordan.

**pictus**

*Amictus pictus* Loew, 1869.

DISTRIBUTION: add: **Palaeartic**: Greece (Crete, Ithaca, Kephalaria , Rhodes)

**pulchellus**

*Amictus pulchellus* Macquart, 1846.

DISTRIBUTION: add: **Palaeartic**: Macedonia.

**strigilatus**

*Amictus strigilatus* Loew, 1869. **STAT. REV.** (removed from synonymy under *Amictus pulchellus* Macquart).

DISTRIBUTION: **Palaeartic**: Greece (incl. Rhodes), ?Israel, Turkey.

**validus**

*Amictus validus* Loew, 1869.

DISTRIBUTION: add: **Palaeartic**: Greece (Lesbos), Jordan.

**virgatus**

*Amictus virgatus* Austen, 1937.

DISTRIBUTION: add: **Palaeartic**: Jordan.

Genus **CALLOSTOMA** Macquart

**fascipenne**

*Callostoma fascipennis* Macquart, 1840.

DISTRIBUTION: add: **Palaeartic**: Jordan.

Genus **CHALCOCHITON** Loew

**carmelitensis**

*Mulio carmelitensis* Becker, 1903. **COMB. N.** (moved to *Chalcochiton* from *Cytherea*).

**pallasii**

*Mulio pallasii* Loew, 1856.

DISTRIBUTION: add: **Palaeartic**: Jordan; delete: **Palaeartic**: Poland.

**speciosus**

*Chalcochiton speciosus* Loew, 1844.

DISTRIBUTION: add: **Palaeartic**: Jordan.

**syriacus**

*Mulio syriacus* Loew, 1869.

DISTRIBUTION: add: **Palaeartic**: Jordan.

Genus **CYLLENIA** Latreille**marginata**

*Cyllenina marginata* Loew, 1846.

DISTRIBUTION: add: **Palaeartic**: Greece (Ithaca), Italy (Sardinia).

**rustica**

*Asilus rusticus* Rossi, 1790.

DISTRIBUTION: add: **Palaeartic**: France (Corsica), Greece (Corfu, Crete, Rhodes); delete: **Palaeartic**: Czech Republic, Germany, Poland, Slovakia, Switzerland.

Genus **CYTHEREA** Fabricius**aurea**

*Cytherea aurea* Fabricius, 1794. **STAT. REV.** (moved from *Chalcochiton* back to *Cytherea*).

**fenestrata**

*Mulio fenestrata* Loew, 1873.

DISTRIBUTION: add: **Palaeartic**: Jordan.

**obscura**

*Cytherea obscura* Fabricius, 1794.

DISTRIBUTION: add: **Palaeartic**: Greece (Corfu, Ithaca, Kephallonia, Rhodes), Jordan; delete: **Palaeartic**: Czech Republic, Slovakia.

Subfamily **LOMATIINAE** SchinerGenus **LOMATIA** Meigen**abbreviata**

*Lomatia abbreviata* Villeneuve, 1911.

DISTRIBUTION: add: **Palaeartic**: Jordan; delete: **Palaeartic**: Spain.

**alecto**

*Lomatia alecto* Loew, 1846.

DISTRIBUTION: delete: **Palaeartic**: Czech Republic, Slovakia.

**atropos**

*Lomatia atropos* Egger, 1859.

DISTRIBUTION: add: **Palaeartic**: Greece (Corfu).

**belzebul**

*Anthrax belzebul* Fabricius, 1794.

DISTRIBUTION: add: **Palaeartic**: Portugal, Switzerland.

**erynnis**

*Lomatia erynnis* Loew, 1869.

DISTRIBUTION: add: **Palaeartic**: Greece (Corfu, Euboea, Kephallonia, Skyros);  
delete: **Palaeartic**: Spain.

**grajugena**

*Lomatia grajugena* Loew, 1869.

DISTRIBUTION: add: **Palaeartic**: Greece (Euboea, Poros).

**lachesis**

*Lomatia lachesis* Egger, 1859.

DISTRIBUTION: delete: **Palaeartic**: Switzerland.

**polyzona**

*Lomatia polyzona* Loew, 1869.

DISTRIBUTION: add: **Palaeartic**: Jordan.

**rogenhoferi**

*Lomatia rogenhoferi* Nowicki, 1868.

DISTRIBUTION: add: **Palaeartic**: Czech Republic, Slovakia.

**tysiphone**

*Lomatia tysiphone* Loew in Schiner, 1860.

DISTRIBUTION: add: **Palaeartic**: Greece (Kephallonia), Jordan, Portugal

**leucoprocta**

*Mulio leucoprocta* Wiedemann, 1828.

DISTRIBUTION: add: **Nearctic**: USA (Connecticut).

Subfamily **ANTONIINAE** Hull

Genus **ANTONIA** Loew

**xanthogramma**

*Antonia xanthogramma* Bezzi, 1924.

DISTRIBUTION: add: **Afrotropical**: Namibia.

Subfamily **ANTHRACINAE** Latreille

Tribe **ANTHRACINI** Latreille

Genus **ANTHRAX** Scopoli

**aethiops** ssp. **aethiops**

*Bibio aethiops* Fabricius, 1781.

DISTRIBUTION: add: **Palaearctic**: Greece (Rhodes), Jordan, Macedonia, Moldova.

**aethiops** ssp. **bezzii**

*Spogostylum aethiops bezzii* Paramonov, 1957 [L designated by El Hawagry *et al.* (2000: 101) in ESEC].

**angustipennis**

*Anthrax angustipennis* Macquart, 1840.

DISTRIBUTION: add: **Neotropical**: Peru.

**anthrax**

*Musca anthrax* Schrank, 1781.

DISTRIBUTION: add: **Palaearctic**: Bosnia-Herzegovina, Madeira, Spain (Balearic Islands).

**aterrimus**

*Argyramoeba aterrima* Bigot, 1892.

DISTRIBUTION: add: **Nearctic**: USA (Connecticut).

**candidapex**

*Spogostylum candidapex* Austen, 1937.

DISTRIBUTION: add: **Palaeartic**: Egypt, Jordan.

**chionanthrax**

*Argyramoeba chionanthrax* Bezzi, 1926.

*Anthrax cairensis* Paramonov, 1935 [H found! (by El Hawagry *et al.* (2000: 102) in ESEC].

*Anthrax nanus* Paramonov, 1935 [L designated by El Hawagry *et al.* (2000: 102) in ESEC].

**chionostigma**

*Anthrax chionostigma* Tsacas, 1962.

*Argyramoeba maculosa* Sack, 1909. **SYN. N.**

*Anthrax ipiriensis* Dils & Weyer, 1995. **SYN. N.**

*Anthrax tajikistanus* Evenhuis & Greathead, 1999. **SYN. N.**

DISTRIBUTION: add: **Palaeartic**: Afghanistan, Armenia, Azerbaijan, France (incl. Corsica), Gruzia, Kazakhstan, Spain, Tajikistan, Uzbekistan.

**dentata**

*Argyromoeba dentata* Becker, 1906.

*Anthrax efflatouni* Paramonov, 1936 (synonymy in El Hawagry *et al.*, 2000: 102).

DISTRIBUTION: revised: **Palaeartic**: ?Andorra, Egypt, Hungary, Israel (incl. West Bank), Italy (incl. Sicily), Jordan, Saudi Arabia, Spain, Tunisia.

**diffusus**

*Anthrax diffusa* Wiedemann, 1824.

DISTRIBUTION: add: **Afrotropical**: Namibia.

**galali**

*Anthrax galali* El Hawagry, 2002: 2. TYPE LOCALITY: Egypt [H in CUE].

DISTRIBUTION: **Palaeartic**: Egypt.

**greatheadi**

*Anthrax greatheadi* El Hawagry, 1999: 108. TYPE LOCALITY: Egypt [H in CUE].

DISTRIBUTION: **Palaeartic**: Egypt, Jordan.

**hyalacrus**

*Anthrax hyalacrus* Wiedemann, 1828.

DISTRIBUTION: add: **Neotropical**: Panama, Trinidad & Tobago.

**johanni**

*Anthrax johanni* Zaitzev, 1997.

DISTRIBUTION: add: **Afrotropical**: Chad, Eritrea, Kenya, Yemen. **Palaeartic**: Israel, Malta, Saudi Arabia.

**lucidus**

*Argyromoeba lucida* Becker, 1902.

*Anthrax hassani* Paramonov, 1935 [L designated by El Hawagry *et al.* (2000: 103) in ESEC]. (synonymy in El Hawagry *et al.*, 2000: 103)

*Spogostylum nigrum* Austen, 1937. **SYN. N.**

DISTRIBUTION: add: **Palaeartic**: Israel (incl. West Bank), Tunisia.

**melanista**

*Argyromoeba melanista* Bezzi, 1925 [L designated by El Hawagry *et al.* (2000: 104) in ESEC].

**moursyi**

*Anthrax moursyi* El Hawagry, 1999: 109. TYPE LOCALITY: Egypt [H in CUE].

DISTRIBUTION: **Palaeartic**: Egypt.

**muticus**

*Spongostylum muticum* Bezzi, 1921.

DISTRIBUTION: add: **Afrotropical**: Namibia.

**phaeopteralis**

*Anthrax phaeopteralis* Hesse, 1956.

Distribution: add: **Afrotropical**: Namibia.

**pilosulus**

*Argyramoeba pilosulus* Strobl, 1902.

DISTRIBUTION: add: **Palaeartic**: Croatia, France, Greece (Corfu).

**ricardoae**

*Argyromoeba fuscipennis* Ricardo, 1903 [Preoccupied by Macquart, 1834.] (removed from synonymy with *dentata* by Greathead, 2003: 91).

*Anthrax ricardoae* Greathead, 2003: 91 (new replacement name for *Anthrax fuscipennis* Ricardo, 1903).

DISTRIBUTION: **Afrotropical**: Yemen (Sokotra).

**sticticus**

*Anthrax stictica* Klug, 1832.

DISTRIBUTION: add: **Palaeartic**: Egypt, Jordan.

**trifasciatus**

*Anthrax trifasciata* Meigen, 1804.

*Anthrax leucogaster* Wiedemann in Meigen, 1820 (synonymy in Greathead, 2003: 92).

*Argyramoeba heteropyga* Sack, 1909 (synonymy in Greathead, 2003: 92).

DISTRIBUTION: add: **Palaeartic**: Belarus, Egypt, Finland, Germany, Greece (Kephalonia, Poros, Rhodes), Italy (Sicily), Norway, Romania, Sweden, Ukraine.

**trisinuatus**

*Anthrax trisinuatus* Hesse, 1956.

DISTRIBUTION: add: **Afrotropical**: Namibia.

**varius**

*Anthrax varia* Fabricius, 1794.

DISTRIBUTION: delete: **Palaeartic**: Canary Islands.

**virgo**

*Anthrax virgo* Egger, 1859.

*Argyramoeba velox* Loew, 1862a. **SYN. N.**

*Anthrax hellenicus* François, 1966. **SYN. N.**

DISTRIBUTION: add: **Palaeartic**: Greece (Kephalonia, Poros), Jordan, Macedonia; delete **Palaeartic**: Hungary.

**zohrayensis**

*Anthrax zohrayensis* El Hawagry, 2002: 4. TYPE LOCALITY: Egypt [H in CUE].

DISTRIBUTION: **Palaeartic**: Egypt.

Genus **BRACHYANAX** Evenhuis**satellitius**

*Anthrax satellitia* Walker, 1956.

DISTRIBUTION: add: **Oriental**: Singapore.

Genus **SPOGOSTYLUM** Macquart**bisniphas**

*Argyramoeba bisniphas* Bezzi, 1925. [L designated by El Hawagry *et al.* (2000: 107) in ESEC]. (moved from *Anthrax* to *Spogostylum* in El Hawagry *et al.*, 2000: 107).



**candidum**

*Psamatamoeba candida* Sack, 1909.

DISTRIBUTION: add: **Palaeartic**: Jordan.

**griseipenne**

*Exoprosopa griseipennis* Macquart, 1850.

DISTRIBUTION: add: **Palaeartic**: Jordan.

**hamadnallahi**

*Spogostylum hamadnallahi* El Hawagry, 2002: 6. TYPE LOCALITY: Egypt [H in CUE].

DISTRIBUTION: **Palaeartic**: Egypt.

**isis**

*Anthrax isis* Meigen, 1820.

DISTRIBUTION: add: **Palaeartic**: Greece (Rhodes), Jordan.

**nitidum**

*Spogostylum nitidum* Austen, 1937. **COMB. REV.** (returned to *Spogostylum* from *Anthrax*).

DISTRIBUTION: add: **Palaeartic**: Jordan.

**ocyale**

*Anthrax ocyale* Wiedemann, 1828.

DISTRIBUTION: add: **Palaeartic**: United Arab Emirates.

**perpusillum**

*Spogostylum perpusillum* Austen, 1937.

DISTRIBUTION: add: **Palaeartic**: Jordan.

**sordidum**

*Spogostylum sordidum* Sack, 1909.

*Spongostylum antiopa* Bezzi, 1925 [H found! in ESEC] (synonymy in El Hawagry *et al.*, 2000: 110).

DISTRIBUTION: add: **Palaeartic**: Jordan.

**tripunctatum**

*Anthrax tripunctata* Wiedemann *in* Meigen, 1820.

DISTRIBUTION: add: **Palaeartic**: Greece (Kephalonia), Italy (Sardinia, Sicily), Portugal; delete: **Palaeartic**: Switzerland.

**ventrale**

*Spongostylum ventrale* Bezzi, 1924.

DISTRIBUTION: add: **Palaeartic**: Egypt.

Tribe **APHOEBANTINI** BeckerGenus **APHOEBANTUS** Loew**idahoensis**

*Aphoebantus idahoensis* Tabet, 1979.

*Aphoebantus idahoensis* Tabet, 2001b: 45. TYPE LOCALITY: USA (Idaho) [H in CAS].

DISTRIBUTION: **Nearctic**: USA (Idaho).

**paraborealis**

*Aphoebantus paraborealis* Tabet, 1979.

*Aphoebantus paraborealis* Tabet, 2001b: 46. TYPE LOCALITY: USA (Idaho) [H in CAS].

DISTRIBUTION: **Nearctic**: USA (Idaho).

Genus **CONONEDYS** Hermann**bilobata**

*Aphoebantus bilobata* Bezzi, 1924.

DISTRIBUTION: add: **Palaeartic**: Egypt.

**inornata**

*Aphoebantus inornatus* Greathead, 1967.

DISTRIBUTION: add: **Palaeartic**: Jordan.

**scutellata**

*Anthrax scutellata* Meigen, 1835.

DISTRIBUTION: delete: **Palaeartic**: Germany.

**stenura**

*Anthrax stenura* Loew, 1871.

DISTRIBUTION: add: **Palaeartic**: Jordan.

Tribe **EXOPROSOPINI** BeckerGenus **DIATROPOMMA** Bowden**annettae**

*Diatropomma annettae* Greathead & Evenhuis, 2001b: 196. TYPE LOCALITY: Tanzania [H in BMNH\*].

DISTRIBUTION: **Afrotropical**: Tanzania.

**asiatica**

*Exoprosopa asiatica* Zaitzev, 1972.

DISTRIBUTION: add: **Palaeartic**: Israel.

**bowdeni**

*Exoprosopa bowdeni* Sánchez-Terrón, 1990.

DISTRIBUTION: add: **Palaeartic**: France (Corsica), Italy (Sardinia), Spain (including Isla Cabrera, Mallorca).

**capucina**

*Bibio capucina* Fabricius, 1781.

DISTRIBUTION: delete: **Palaeartic**: Latvia, Moldova.

**circeoides**

*Exoprosopa circeoides* Paramonov, 1928.

DISTRIBUTION: add: **Palaeartic**: Israel.

**cleomene**

*Exoprosopa cleomene* Egger, 1859.

DISTRIBUTION: add: **Palaeartic**: Croatia; delete: **Palaeartic**: Egypt, Moldova.

**decrepita**

*Anthrax decrepita* Wiedemann, 1828.

DISTRIBUTION: add: **Palaeartic**: Israel.

**dispar**

*Exoprosopa dispar* Loew, 1869. **COMB. REV.** (returned to *Exoprosopa* from *Heteralonia*).

*Exoprosopa dispar* var. *interrupta* Paramonov, 1928. **SYN. N.**

*Exoprosopa dispar* ssp. *paramonovi* Evenhuis, 1978. **SYN. N.**

DISTRIBUTION: add: **Palaeartic**: Cyprus, Greece (Poros), Ukraine.

**efflatouni**

*Exoprosopa efflatouni* Bezzi, 1925.

DISTRIBUTION: add: **Palaeartic**: Israel.

**enigma**

*Exoprosopa enigma* Greathead & Evenhuis, 2001b: 199. TYPE LOCALITY: Namibia [H in NMNW\*].

DISTRIBUTION: **Afrotropical**: Namibia.

**fasciata**

*Exoprosopa fasciata* Macquart, 1840.

DISTRIBUTION: add: **Nearctic**: USA (Connecticut).

**glossops**

*Exoprosopa glossops* Greathead, 2001a: 143. TYPE LOCALITY: Nigeria [H in BMNH\*]

DISTRIBUTION: **Afrotropical**: Nigeria.

**jacchus**

*Anthrax jacchus* Fabricius, 1805.

DISTRIBUTION: revised: **Palaeartic**: Albania, Armenia, Austria, Azerbaijan, Bosnia-Herzegovina, Bulgaria, Croatia, France, Gruzia, Hungary, Iran, Italy (including Capri, Sicily), Portugal, Romania, Spain, Yugoslavia.

**minois**

*Exoprosopa minois* Loew, 1869.

DISTRIBUTION: add: **Palaeartic**: Israel.

**minos**

*Anthrax minos* Meigen, 1804.

DISTRIBUTION: add: **Palaeartic**: Greece (Ikaria, Kephallonia, Poros, Samos, Seriphos), Jordan; delete: **Palaeartic**: Czech Republic, Germany.

**mira**

*Exoprosopa mira* Hesse, 1936.

DISTRIBUTION: add: **Afrotropical**: Namibia.

**onusta**

*Anthrax onusta* Walker, 1852.

DISTRIBUTION: add: **Palaeartic**: Italy (incl. Sicily).

**pallasii**

*Anthrax pallasii* Wiedemann, 1818.

DISTRIBUTION: add: **Palaeartic**: Italy (Sardinia).

**pandora**

*Exoprosopa baccha* Loew, 1869 (synonymy in Greathead, 2001c: 280).

DISTRIBUTION: revised: **Palaeartic**: Algeria, Croatia, Greece (including Corfu, Crete, Ithaca, Kephallonia, Lesbos, Rhodes, Zakynthos), Gruzia, Hungary, Israel (including West Bank), Jordan, Libya, Macedonia, Morocco, Tunisia, Turkey, Yugoslavia (Montenegro).

**rivularis**

*Anthrax rivularis* Meigen in Wiedemann, 1818. **COMB. N.** (from *Heteralonia*).

DISTRIBUTION: add: **Palearctic**: ?Azores Islands, Greece (incl. Kephalaria, Lesbos), Jordan.

**rutila**

*Anthrax rutila* Pallas & Wiedemann in Wiedemann, 1818.

DISTRIBUTION: add: **Palearctic**: Italy (Sardinia, Sicily).

**selenops**

*Exoprosopa selenops* Greathead, 2001a: 142. TYPE LOCALITY: Kenya [H in BMNH\*].

DISTRIBUTION: **Afrotropical**: Kenya, Tanzania.

Genus **HETERALONIA** Rondani

Subgenus **ACRODISCA** Bezzi

**aridicola**

*Exoprosopa aridicola* Hesse, 1956.

DISTRIBUTION: add: **Afrotropical**: Namibia.

**fumida**

*Heteralonia fumida* Greathead, 2000: 62. TYPE LOCALITY: Namibia [H in NMNW\*]

DISTRIBUTION: **Afrotropical**: Namibia.

**obscuripennis**

*Exoprosopa obscuripennis* Hesse, 1956.

DISTRIBUTION: add: **Afrotropical**: Namibia.

**suffusa**

*Anthrax suffusa* Klug, 1832.

DISTRIBUTION: add: **Palearctic**: Jordan.

**zonata**

*Exoprosopa zonata* Hesse, 1936.

DISTRIBUTION: add: **Afrotropical**: Namibia.

Subgenus **HOMOLONIA** Bowden

**aegina**

*Anthrax aegina* Wiedemann, 1828.

DISTRIBUTION: add: **Palearctic**: Israel.

**megerlei**

*Anthrax megerlei* Meigen, 1820.

DISTRIBUTION: add: **Palaeartic**: France (Corsica), Greece (Crete, Kephallonia, Rhodes), Jordan; delete: **Palaeartic**: Switzerland.

Subgenus **ISOTAMIA** Bezzi**azaniae**

*Heteralonia azaniae* Greathead & Evenhuis, 2001b: 201. TYPE LOCALITY: Kenya [H in BMNH\*].

DISTRIBUTION: **Afrotropical**: Kenya, Tanzania.

Subgenus **ZYGODIPLA** Bezzi**aeaca**

*Anthrax aeacus* Meigen, 1804.

DISTRIBUTION: add: **Palaeartic**: Cyprus, Israel; delete: **Palaeartic**: Switzerland.

**algira**

*Anthrax algira* Fabricius, 1794.

DISTRIBUTION: add: **Palaeartic**: Croatia.

**bagdadensis**

*Anthrax bagdadensis* Macquart, 1840.

DISTRIBUTION: add: **Palaeartic**: Egypt, Jordan.

**bezzii**

*Exoprosopa bezzii* Paramonov, 1928.

DISTRIBUTION: add: **Palaeartic**: Israel.

**hermanni**

*Exoprosopa hermanni* François, 1967.

DISTRIBUTION: add: **Palaeartic**: Jordan.

**mira**

*Heteralonia mira* Greathead, 2000: 63. TYPE LOCALITY: Namibia [H in NMNW\*]

DISTRIBUTION: **Afrotropical**: Namibia.

**mucorea**

*Anthrax mucorea* Klug, 1832.

DISTRIBUTION: add: **Palaeartic**: Jordan.

**normalis**

*Exoprosopa normalis* Loew, 1869.

DISTRIBUTION: add: **Palearctic**: Greece (Crete).

**singularis**

*Exoprosopa singularis* Macquart, 1840.

DISTRIBUTION: add: **Palearctic**: Jordan.

Genus **LIGYRA** Newman**satyrus**

*Bibio satyrus* Fabricius, 1775.

DISTRIBUTION: add: **Oriental**: Singapore.

**vittata**

*Hyperalonia vittata* Ricardo, 1901.

DISTRIBUTION: add: **Afrotropical**: Namibia.

Genus **LITORHINA** Bowden**flammea**

*Litorhina flammea* Greathead & Evenhuis, 2001b: 205. TYPE LOCALITY: Sierra Leone [H in MZLU\*].

DISTRIBUTION: **Afrotropical**: Sierra Leone.

**nyasae**

*Exoprosopa nyasae* Ricardo, 1901.

DISTRIBUTION: add: **Afrotropical**: Namibia.

**vernayi**

*Litorrhynchus vernayi* Hesse, 1956.

DISTRIBUTION: add: **Afrotropical**: Namibia.

Genus **MICOMITRA** Bowden**iris**

*Exoprosopa iris* Loew, 1869.

DISTRIBUTION: add: **Palearctic**: Jordan.

**lapidoti**

*Micomitra lapidoti* Zaitzev, 1999c: 717 [2000a: 651]. TYPE LOCALITY: Israel [H in UNKN].

DISTRIBUTION: **Palaeartic**: Israel.

**shelkovnikovi**

*Exoprosopa shelkovnikovi* Paramonov, 1928. **COMB. N.** (transferred to *Micomitra* from *Pterobates*).

**stupida**

*Bibio stupida* Rossi, 1790.

DISTRIBUTION: add: **Palaeartic**: Cyprus, Greece (Corfu), Israel, Macedonia;  
delete: **Palaeartic**: Germany.

Genus **PTEROBATES** Bezzi

**chalybaeus**

*Exoprosopa chalybea* Röder, 1887.

DISTRIBUTION: add: **Palaeartic**: Israel.

Tribe **PROROSTOMATINI** Hull

Genus **EPACMOIDES** Hesse

**xerophilus**

*Epacmoides xerophilum* Hesse, 1956.

DISTRIBUTION: add: **Afrotropical**: Namibia.

Genus **PLESIOCERA** Macquart

**algira**

*Plesiocera algira* Macquart, 1840.

DISTRIBUTION: add: **Palaeartic**: Jordan, Portugal.

**philerema**

*Plesiocera philerema* Hesse, 1956.

DISTRIBUTION: add: **Afrotropical**: Namibia.



**integrum**

*Plesiocera integra* Bezzi, 1922.

DISTRIBUTION: add: **Afrotropical**: Namibia.

Genus **STOMYLOMYIA** Bigot

**europaea**

*Tomomyza europaea* Loew, 1869.

DISTRIBUTION: add: **Palaeartic**: Greece (Crete), Jordan; delete: **Palaeartic**: Hungary.

**tenella**

*Tomomyza tenella* Loew, 1869.

DISTRIBUTION: add: **Palaeartic**: Portugal.

Tribe **VILLINI** Hull

Genus **CAECANTHRAX** Greathead

**arabicus**

*Anthrax arabica* Macquart, 1840.

DISTRIBUTION: add: **Palaeartic**: Greece (Crete).

Genus **DIPALTA** Osten Sacken

**serpentina**

*Anthrax serpentina* Osten Sacken, 1877.

DISTRIBUTION: add: **Nearctic**: USA (North Carolina).

Genus **EXHYALANTHRAX** Becker

**aberrans**

*Thyridanthrax aberrans* Hesse, 1956.

DISTRIBUTION: add: **Afrotropical**: Namibia.

**afer**

*Anthrax afer* Fabricius, 1794.

DISTRIBUTION: add: **Palaeartic**: Greece (Corfu, Crete, Rhodes), Jordan, Lithuania, Spain (Formentera).

**contrarius**

*Villa contraria* Becker, 1916.

DISTRIBUTION: add: **Palaeartic**: Greece (Rhodes), Jordan.

**finidrontis**

*Exhyalanthrax finidrontis* Evenhuis & Greathead, 1999.

DISTRIBUTION: add: **Afrotropical**: Namibia.

**melanchlaenus**

*Anthrax melanchlaenus* Loew, 1869.

*Thyridanthrax albicingulus* Austen, 1936. **SYN. N.**

*Thyridanthrax amoenus* Austen, 1937. **SYN. N.**

DISTRIBUTION: add: **Palaeartic**: Greece (Kephalonia), Iran, Jordan, Lebanon.

**muscarius**

*Anthrax muscaria* Pallas in Wiedemann, 1818.

*Thyridanthrax innocens* Austen, 1936. **SYN. N.**

DISTRIBUTION: add: **Palaeartic**: Cyprus, Greece (Poros), Israel (incl. Gaza Strip), Jordan, Syria; delete: **Palaeartic**: Germany.

**niveifrons**

*Thyridanthrax niveifrons* Hesse, 1956.

DISTRIBUTION: add: **Afrotropical**: Namibia.

Genus **HEMIPENTHES** Loew

**exoprosopoides**

*Hemipenthes exoprosopoides* Paramonov, 1928.

DISTRIBUTION: add: **Palaeartic**: Israel.

**maura**

*Musca maura* Linnaeus, 1758.

DISTRIBUTION: delete: **Palaeartic**: Netherlands.

**morio**

*Musca morio* Linnaeus, 1758.

DISTRIBUTION: add: **Palaeartic**: Andorra, Bosnia-Herzegovina, Germany, Greece (Cephalonia, Crete, Rhodes), Portugal; delete: **Palaeartic**: Lithuania.

**praecisa**

*Anthrax praecisus* Loew, 1869.

DISTRIBUTION: add: **Palaeartic**: Israel.

**velutina**

*Anthrax velutina* Meigen, 1820.

DISTRIBUTION: add: **Palaeartic**: Greece (Kephalonia, Thasos), Jordan.

**villeneuvi**

*Hemipenthes villeneuvi* François, 1970.

DISTRIBUTION: add: **Palaeartic**: Spain, Switzerland.

Genus **OESTRANTHRAX** Bezzi**brunnescens**

*Anthrax brunnescens* Loew, 1857.

DISTRIBUTION: add: **Palaeartic**: Jordan.

**pallifrons**

*Oestranthrax pallifrons* Bezzi, 1926.

DISTRIBUTION: add: **Palaeartic**: Morocco; delete: **Palaeartic**: Spain.

Genus **PACHYANTHRAX** François**fulvifacies**

*Thyridanthrax fulvifacies* Austen, 1937.

DISTRIBUTION: add: **Palaeartic**: Jordan.

**nimrodicus**

*Pachyanthrax nimrodica* Zaitzev, 1999.

DISTRIBUTION: add: **Palaeartic**: Jordan.

[Note: Generic status uncertain but it is not *Pachyanthrax*]

**telamon**

*Exoprosopa telamon* Loew, 1869.

DISTRIBUTION: add: **Palaeartic**: Greece (Rhodes), Jordan.

**unctus**

*Anthrax unctus* Loew, 1869.

DISTRIBUTION: add: **Palaeartic**: Greece (Poros).

Genus **PARAVILLA** Painter**floridensis**

*Paravilla floridensis* Hall, 1981.

DISTRIBUTION: add: **Nearctic**: USA (?Connecticut).

Genus **THYRIDANTHRAX** Osten Sacken**alphonsi**

*Thyridanthrax alphonsi* Sánchez-Terrón & Roldán Bravo, 2000: 68. TYPE LOCALITY: Portugal [H in MNCN].

DISTRIBUTION: **Palaeartic**: Portugal, Spain.

**elegans** ssp. **elegans**

*Anthrax elegans* Wiedemann in Meigen, 1820.

DISTRIBUTION: add: **Palaeartic**: Greece (Kephalaria, Rhodes), Jordan, Macedonia, Spain (incl. Ibiza, Mallorca).

**hispanus**

*Anthrax hispanus* Loew, 1869. **STAT. REV.** (removed from synonymy with *Thyridanthrax perspicillaris* (Loew, 1869)).

DISTRIBUTION: **Palaeartic**: Spain.

**incanus**

*Anthrax incana* Klug, 1832.

DISTRIBUTION: add: **Palaeartic**: Greece (Kephalaria, Poros, Rhodes), Jordan.

**lotus**

*Anthrax lotus* Loew, 1869.

DISTRIBUTION: add: **Palaeartic**: Greece (Poros), Jordan; delete: **Palaeartic**: Spain.

**mutilus**

*Anthrax mutilus* Loew, 1869.

DISTRIBUTION: add: **Palaeartic**: Greece (Corfu).

**nebulosus**

*Anthrax nebulosus* Dufour, 1852.

DISTRIBUTION: add: **Palaeartic**: Portugal.

**obliteratus**

*Anthrax obliterata* Loew, 1862.

DISTRIBUTION: add: **Palaeartic**: Cyprus, France (Corsica), Greece (Corfu).

**perspicillaris** ssp. **perspicillaris**

*Anthrax perspicillaris* Loew, 1869.

DISTRIBUTION: add: **Palaeartic**: ?Azores, France (Corsica), Greece (Kephallonia), Italy (Sardinia), Jordan, Portugal, Switzerland; delete: **Palaeartic**: Germany.

**polyphemus**

*Anthrax polyphemus* Wiedemann in Meigen, 1820.

DISTRIBUTION: add: **Palaeartic**: Croatia, Cyprus, Greece (Corfu), Italy (Sicily), Jordan, Macedonia.

Genus **VERIBUBO** Evenhuis

**angusteoculatus**

*Anthrax angusteoculatus* Becker, 1902.

DISTRIBUTION: add: **Palaeartic**: Italy (Sicily).

**anus**

*Anthrax anus* Wiedemann, 1828.

DISTRIBUTION: add: **Palaeartic**: Jordan.

**misellus**

*Anthrax misellus* Loew, 1869.

DISTRIBUTION: add: **Palaeartic**: Greece (Poros), Jordan.

**saffra**

*Veribubo saffra* Greathead, 1981.

DISTRIBUTION: add: **Palaeartic**: Jordan.

Genus **VILLA** Lioy

**abbadon**

*Anthrax abbadon* Fabricius, 1794.

DISTRIBUTION: add: **Palaeartic**: France (Corsica), Russia (SET).

**bivirgata**

*Villa bivirgata* Austen 1937.

DISTRIBUTION: add: **Palaeartic**: Jordan.

**brunnea**

*Villa brunnea* Becker, 1916.

DISTRIBUTION: add: **Palaeartic**: Greece (Lesbos, Thasos).

**cana**

*Anthrax cana* Meigen, 1804.

DISTRIBUTION: add: **Palaeartic**: Cyprus, Italy (Sardinia); delete: **Palaeartic**: Czech Republic, Switzerland.

**ceballosi**

*Villa ceballosi* Andréu Rubio, 1959.

DISTRIBUTION: delete: **Palaeartic**: Spain.

**cingulata**

*Anthrax cingulata* Meigen, 1804.

DISTRIBUTION: add: **Palaeartic**: Greece (Corfu), ?Norway, Spain (Balearic Islands); delete: **Palaeartic**: Netherlands.

**cingulum**

*Anthrax cingulum* Wiedemann in Meigen, 1820.

DISTRIBUTION: delete: **Palaeartic**: Belgium.

**deludens**

*Villa deludens* François, 1966.

DISTRIBUTION: add: **Palaeartic**: Croatia.

**fasciata**

*Anthrax fasciata* Meigen, 1804.

*Anthrax venusta* Meigen, 1820. **SYN. N.**

*Anthrax margaritifera* Dufour, 1833. **SYN. N.**

*Anthrax dolosa* Jaenicke, 1867. **SYN. N.**

*Anthrax turbidus* Loew, 1869. **SYN. N.**

DISTRIBUTION: add: **Palaeartic**: China, Egypt, France (Corsica), Germany, Iran, Mongolia, Netherlands, ?Norway, Tajikistan.

**fasciculata**

*Villa fasciculata* Becker, 1916.

*Villa orientalis* Zaitzev, 1966. **SYN. N.**

DISTRIBUTION: add: **Palaeartic**: Armenia, Azerbaijan, Croatia, Greece (Kephalonía, Lefkas, Poros), Gruzia, Jordan, Kazakhstan, Mongolia, Spain (Menorca), Turkmenistan, Uzbekistan.

**halteralis**

*Anthrax halteralis* Kowarz, 1883.

DISTRIBUTION: add: **Palaeartic**: ?Norway.

**hottentotta**

*Musca hottentotta* Linnaeus, 1758.

DISTRIBUTION: add: **Palaeartic**: Andorra, France (Corsica), Greece (Corfu, Crete, Kephallonia, Thasos), Spain (Isla Cabrera, Mallorca); delete: **Palaeartic**: Lithuania, Netherlands, UK (Great Britain and Northern Ireland).

**hybrida**

*Villa hybrida* Hesse, 1956.

DISTRIBUTION: add: **Afrotropical**: Namibia.

**insignis**

*Villa insignis* Austen, 1937.

DISTRIBUTION: add: **Palaeartic**: Jordan.

**ixion**

*Anthrax ixion* Fabricius, 1794.

*Anthrax humilis* Ruthe, 1831. **SYN. N.**

*Anthrax mucida* Zeller, 1840. **SYN. N.**

*Anthrax pygarga* Loew, 1869. **SYN. N.**

*Anthrax albulus* Loew, 1869. **SYN. N.**

*Villa quinta* Becker, 1916. **SYN. N.**

DISTRIBUTION: add: **Palaeartic**: Belgium, Bosnia-Herzegovina, Bulgaria, Egypt, Greece (Corfu, Crete, Kephallonia, Rhodes), Iran, Jordan, Macedonia, Portugal, Yugoslavia.

**leucostoma**

*Anthrax leucostoma* Meigen, 1820.

DISTRIBUTION: add: **Palaeartic**: Greece.

**modesta**

*Anthrax modesta* Meigen, 1820.

DISTRIBUTION: add: **Palaeartic**: Austria, Netherlands, ?Norway, Portugal, Switzerland; delete: **Palaeartic**: Poland.

**nigrifrons**

*Anthrax nigrifrons* Macquart in Webb & Berthelot, 1839.

DISTRIBUTION: add: **Palaeartic**: Madeira.

**niphobleta***Anthrax niphobletus* Loew, 1869.DISTRIBUTION: add: **Palaeartic**: Greece (Crete, Lesbos), Jordan.**occulta***Anthrax occulta* Wiedemann in Meigen, 1820.DISTRIBUTION: add: **Palaeartic**: Sweden, Switzerland; delete: **Palaeartic**:  
Lithuania.**panisca***Bibio panisca* Rossi, 1790.DISTRIBUTION: delete: **Palaeartic**: Belgium, Ireland, Netherlands, Slovakia.**parilis***Villa parilis* François, 1969.DISTRIBUTION: add: **Palaeartic**: Slovakia; delete: **Palaeartic**: Czech Republic.**stenozone***Anthrax stenozone* Loew, 1869.DISTRIBUTION: add: **Palaeartic**: Croatia.Genus **VILLOESTRUS** Paramonov**uvarovi***Villoestrus uvarovi* Paramonov, 1931.DISTRIBUTION: add: **Palaeartic**: Turkey.Tribe **XERAMOEBINI** HullGenus **DESMATONEURA** Williston**nivea***Bibio nivea* Rossi, 1790.DISTRIBUTION: add: **Palaeartic**: Greece (Crete, Rhodes).**sica***Desmatoneura sica* Greathead, 1969.DISTRIBUTION: add: **Afrotropical**: Yemen (Abd-el-Kuri).



**albula**

*Petrorossia albula* Zaitzev, 1962.

DISTRIBUTION: add: **Palaeartic**: Egypt, Israel, Jordan.

**autumnalis**

*Petrorossia autumnalis* Zaitzev, 2002c: 442. TYPE LOCALITY: Kazakhstan [H in ZIS].

DISTRIBUTION: **Palaeartic**: Kazakhstan, Kyrgyz Republic.

**carmelica**

*Petrorossia carmelica* Zaitzev, 1999c: 703 [2000a: 640]. TYPE LOCALITY: Israel [H in UNKN].

DISTRIBUTION: **Palaeartic**: Israel.

**flavipennis**

*Petrorossia flavipennis* Zaitzev, 1966.

DISTRIBUTION: add: **Palaeartic**: Egypt, Israel.

**freidbergi**

*Petrorossia freidbergi* Zaitzev, 1999c: 705 [2000a: 641]. TYPE LOCALITY: Israel [H in UNKN].

DISTRIBUTION: **Palaeartic**: Israel.

**fulvipes**

*Anthrax fulvipes* Loew, 1860.

DISTRIBUTION: add: **Afrotropical**: Namibia.

**guanchorum**

*Petrorossia guanchorum* François, 1970.

*quanchorum*, error for *guanchorum*.

[N.B.: Zaitzev (2000b) records this Canary Island endemic from Israel, which we feel is an extremely unlikely extension of its distribution.]

**gussakovskiji**

*Petrorossia gussakovskiji* Zaitzev, 2000b: 482 [2001b: 209]. TYPE LOCALITY: Tajikistan [H in ZIS].

DISTRIBUTION: **Palaeartic**: Tajikistan, Turkmenistan, Uzbekistan.

**hespera**

*Bibio hespera* Rossi, 1790.

*Petrorossia chraminensis* Zaitzev, 1962. **SYN. N.**

*Petrorossia dobrogica* Dusa, 1966. **SYN. N.**

DISTRIBUTION: add: **Palaeartic**: Greece (Kephalaria, Rhodes, Seriphos, Symi, Tylos), Jordan, Spain (Mallorca, Menorca).

**iskanderika**

*Petrorossia iskanderika* Zaitzev, 2000b: 484 [2001a: 210]. TYPE LOCALITY: Tajikistan [H in ZIS].

DISTRIBUTION: **Palaeartic**: Tajikistan.

**israeliensis**

*Petrorossia israeliensis* Zaitzev, 1999c: 707 [2000a: 643]. TYPE LOCALITY: Israel [H in UNKN].

DISTRIBUTION: **Palaeartic**: Israel.

**letho**

*Anthrax letho* Wiedemann, 1828.

DISTRIBUTION: add: **Palaeartic**: Jordan.

**lucidipennis**

*Petrorossia lucidipennis* Zaitzev, 1966.

DISTRIBUTION: add: **Palaeartic**: Israel.

**margaritae**

*Petrorossia margaritae* Zaitzev, 1999c: 708 [2000a: 644]. TYPE LOCALITY: Israel [H in UNKN].

DISTRIBUTION: **Palaeartic**: Israel.

**modesta**

*Petrorossia modesta* Zaitzev, 1966.

DISTRIBUTION: add: **Palaeartic**: Israel.

**rufiventris**

*Petrorossia rufiventris* Zaitzev, 1966.

DISTRIBUTION: add: **Palaeartic**: Israel.

**shibanovae**

*Petrorossia shibanovae* Zaitzev, 1999c: 710 [2000a: 646]. TYPE LOCALITY: Israel [H in UNKN].

DISTRIBUTION: **Palaeartic**: Israel.

**stackelbergi**

*Petrorossia stackelbergi* Zaitzev, 2000b: 485 [2001b: 211]. TYPE LOCALITY: Tajikistan [H in ZIS].

DISTRIBUTION: **Palaeartic**: Tajikistan, Turkmenistan.

**volkovitshi**

*Petrrossia volkovitshi* Zaitzev, 1999c: 712 [2000a: 647]. TYPE LOCALITY: Israel [H in UNKN].

DISTRIBUTION: **Palaeartic**: Israel.

Genus **PIPUNCULOPSIS** Bezzi

**arenivaga**

*Pipunculopsis arenivaga* Zaitzev, 2001b: 913 [2001c: 579]. TYPE LOCALITY: Turkmenistan [H in TAU].

[Note: According to the ICZN *Code* Article 16.4.2, this name was invalid when it was originally proposed in 2001 because it lacked an indication of the type depository. By indication of the type depository here and back reference to the original description, the name is hereby validated and should keep the original authorship of “Zaitzev”.]

DISTRIBUTION: **Palaeartic**: Israel, Kazakhstan, Turkmenistan.

**bivittata**

*Pipunculopsis bivittata* Bezzi, 1925.

DISTRIBUTION: add: **Palaeartic**: Israel.

**deserta**

*Pipunculopsis deserta* Zaitzev, 2001b: 915 [2001c: 582]. TYPE LOCALITY: Israel [H in TAU].

[Note: According to the ICZN *Code* Article 16.4.2, this name was invalid when it was originally proposed in 2001 because it lacked an indication of the type depository. By indication of the type depository here and back reference to the original description, the name is hereby validated and should keep the original authorship of “Zaitzev”.]

DISTRIBUTION: **Palaeartic**: Israel, Turkmenistan.

**stackelbergi**

*Pipunculopsis stackelbergi* Zaitzev, 2001b: 917 [2001c: 583]. TYPE LOCALITY: Turkmenistan [H in TAU].

[Note: According to the ICZN *Code* Article 16.4.2, this name was invalid when it was originally proposed in 2001 because it lacked an indication of the type depository. By indication of the type depository here and back reference to the original description, the name is hereby validated and should keep the original authorship of “Zaitzev”.]

DISTRIBUTION: **Palaeartic**: Israel, Jordan, Kazakhstan, Tajikistan, Turkmenistan.

**XERAMOEBA** Hesse, 1956.

*Gazlia* Zaitzev, 1999b: 458 [2000c: 428]. Type species *Gazlia albula* Zaitzev, 1999, by original designation. **SYN. N**

*Cazlia*: Zaitzev, 1999b: 458 (incorrect original spelling of *Gazlia*).

**albula**

*Gazlia albula* Zaitzev, 1999b: 458 [2000c: 429]. TYPE LOCALITY: Uzbekistan [H in ZIS]. **COMB. N.**

DISTRIBUTION: **Palaeartic**: Uzbekistan.

**kinereti**

*Chiasmella kinereti* Zaitzev, 1999b: 462 [2000c: 432]. TYPE LOCALITY: Israel [H in TAU]. **COMB. N.**

DISTRIBUTION: **Palaeartic**: Israel.

**rubicunda**

*Chiasmella sabulonis* var. *rubicunda* Bezzi, 1925 [L designated by El Hawagry (2001a: 155) in ESEC].

**sabulonis**

*Argyromoeba sabulonis* Becker, 1906.

*Petrorossia latifrons* Bezzi, 1925 [H found! in ESEC] (transferred from *Petrorossia* to *Xeramoeba* and synonymy in El Hawagry, 2001: 155).

DISTRIBUTION: add: **Palaeartic**: Jordan.

**salwae**

*Xeramoeba salwae* El Hawagry, 2001: 156. TYPE LOCALITY: Egypt [H in CUE].

DISTRIBUTION: **Palaeartic**: Egypt, Jordan.

**semirufa**

*Chionamoeba semirufa* Sack, 1909.

DISTRIBUTION: add: **Palaeartic**: Jordan.

**stackelbergi**

*Chiasmella stackelbergi* Zaitzev, 1999b: 460 [2000c: 431]. TYPE LOCALITY: Tajikistan [H in ZIS]. **COMB. N.**

Distribution: **Palaeartic**: Tajikistan.

**turkmenica**

*Chiasmella turkmenica* Zaitzev, 2002c: 440. TYPE LOCALITY: Turkmenistan [H in ZIS]. **COMB. N.**

Distribution: **Palaeartic**: Turkmenistan.

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