

Subfamily ANTHRACINAE Latreille

TRIBE ANTHRACINI LATREILLE

Genus ANTHRAX Scopoli

ANTHRAX Scopoli, 1763: 358. Type species: *Musca morio* Linnaeus, 1758 [misidentification, = *Musca anthrax* Schrank, 1781], by monotypy.

LEUCAMOEBA Sack, 1909: 520. Type species: *Bibio aethiops* Fabricius, 1781, by original designation.

CHALCAMOEBA Sack, 1909: 522. Type species: *Anthrax virgo* Egger, 1859, by original designation.

actuosus

Anthrax actuosus Paramonov, 1935: 9, 23 (key only) [1936b: 69]. TYPE LOCALITY: Turkmenistan [2S in SIZK].

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

aethiops ssp. **aethiops**

Bibio aethiops Fabricius, 1781: 415. TYPE LOCALITY: “Italia” [probably = Italy] [1S in MNHN*; 2S in ZMUC; 3S in UMO*].

Anthrax punctata Hoffmannsegg in Wiedemann, 1818a: 13. *Nomen nudum*.

Nemotelus bipunctatus Pallas in Wiedemann, 1818a: 13. *Nomen nudum*.

Anthrax punctata Meigen, 1820: 161 (unjustified new replacement name for *Bibio aethiops* Fabricius, 1781).

Anthrax mendax Austen, 1937: 110. TYPE LOCALITY: Israel [4S in BMNH*].

DISTRIBUTION: **Palaeartic**: Algeria, Armenia, Austria, Azerbaijan, Bosnia-Herzegovina, Bulgaria, Croatia, Cyprus, Czech Republic, Egypt, France, Germany, Greece (incl. Corfu, Crete, Zakynthos), Gruzia, Hungary, Iran, Israel (incl. West Bank), Italy, Kyrgyz Republic, Libya, Morocco, Poland, Portugal, Romania, Russia (SET), Slovakia, Slovenia, Spain, Switzerland, Tajikistan, Tunisia, Turkmenistan, Ukraine, Uzbekistan.

aethiops ssp. **bezzii**

Anthrax aethiops ssp. *bezzii* Paramonov, 1957: 143. TYPE LOCALITY: Egypt [L designated by El Hawagry *et al.* (2000: 101) in ESEC].

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

alagoezicus

Anthrax alagoezicus Paramonov, 1935: 11, 26 (key only) [1936b: 71]. TYPE LOCALITY: Armenia [H in SIZK].

DISTRIBUTION: **Palaeartic**: Armenia, Azerbaijan, Gruzia.

albofasciatus

Anthrax analis Macquart, 1834: 407. TYPE LOCALITY: “de la Géorgie d’Amérique” [= USA (Georgia)] [1S in MNHN*]. [Preoccupied by Lichtenstein, 1796.]

Anthrax albofasciata Macquart, 1840: 67 [1841: 345] (as “*albo fasciata*”; new replacement name for *Anthrax analis* Macquart, 1834). TYPE LOCALITY: USA (Georgia).

Anthrax antecedens Walker, 1852: 193. TYPE LOCALITY: “United States” [H in BMNH*].

DISTRIBUTION: **Nearctic**: Canada (Alberta, Ontario, Quebec, Saskatchewan), Mexico (Morelos, San Luis Potosí, Veracruz-Llave), USA (Alabama, Arizona, Col-

orado, Delaware, Florida, Georgia, Idaho, Indiana, Maryland, Massachusetts, Minnesota, Mississippi, Nebraska, Nevada, New Hampshire, New Jersey, New York, South Carolina, Texas, Vermont, Virginia). **Neotropical:** Brazil (Roraima), Cuba, Guatemala, Honduras, Mexico (Oaxaca).

alboparsus

Argyromoeba alboparsa Bigot, 1892: 348. TYPE LOCALITY: USA (Colorado) [H in BMNH*].

DISTRIBUTION: **Neartic:** Mexico (Guerrero, Morelos), USA (Colorado). **Neotropical:** Guatemala, Mexico (Oaxaca).

algirus

Argyromoeba algira Villeneuve, 1910: 302. TYPE LOCALITY: Algeria [2S in KBIN*].

DISTRIBUTION: **Palaearctic:** Algeria.

ammoni

Anthrax ammoni Zaitzev, 1997: 895 [1998b: 640]. TYPE LOCALITY: Israel [H in ZIS].

DISTRIBUTION: **Palaearctic:** Israel.

angulatus

Anthrax angulata Brèthes, 1909: 89. TYPE LOCALITY: Argentina [3S in MACN].

DISTRIBUTION: **Neotropical:** Argentina.

angustipennis

Anthrax angustipennis Macquart, 1840: 64 [1841: 342]. TYPE LOCALITY: French Guiana [H in MNHN*].

Anthrax binotata Macquart, 1846: 241(113). TYPE LOCALITY: “Nouvelle-Grenade” [= Colombia, Ecuador, or Venezuela] [3S in BMNH*]. [Preoccupied by Wiedemann, 1820.]

DISTRIBUTION: **Neotropical:** Bolivia, Brazil (Acre, Amazonas, Maranhão, Pará, Rio De Janeiro, Roraima), Colombia, French Guiana, Guyana, Panama, Peru, Trinidad, Venezuela.

anthrax

Musca anthrax Schrank, 1781: 439. TYPE LOCALITY: Austria [N designated by Evenhuis & Thompson in Evenhuis & Greathead (1999: 673) in NMW*].

Anthrax sinuata Meigen, 1804: 203 (unjustified new replacement name for *Musca anthrax* Schrank, 1781).

DISTRIBUTION: **Palaearctic:** Afghanistan, Albania, Algeria, Armenia, Austria, Azerbaijan, Belarus, Belgium, Bulgaria, Canary Is, China (Liaoning, Xinjiang, Xizang), Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Gruzia, Hungary, Iran, Italy (incl. Sardinia, Sicily), Kazakhstan, Kyrgyz Republic, Latvia, Libya, Lithuania, Luxemburg, Macedonia, Moldova, Mongolia, Morocco, Netherlands, Norway, Poland, Portugal, Romania, Russia (CET, ES, FE, NET, SET, WS), Slovakia, Slovenia, Spain, Sweden, Switzerland, Syria, Tajikistan, Tunisia, Turkey, Turkmenistan, Ukraine, Uzbekistan, Yugoslavia.

apiaster

Anthrax apiaster François, 1968b: 95. TYPE LOCALITY: Algeria [H in MNHN].

DISTRIBUTION: **Palaeartic**: Algeria.

appendiculatus

Anthrax appendiculata Macquart, 1855: 94(74). TYPE LOCALITY: “Chine boreale” [= China] [1S in BMNH*].

DISTRIBUTION: **Palaeartic**: China.

aquilus

Anthrax oedipus ssp. *aquilus* Marston, 1970: 18. TYPE LOCALITY: Brazil (Paraná) [H in USNM*].

DISTRIBUTION: **Neotropical**: Argentina, Brazil (Minas Gerais, Paraná, Rio Grande do Sul, Santa Catarina, São Paulo), Paraguay.

arcus

Argyromoeba arcus Meijere, 1913: 322. TYPE LOCALITY: Indonesia (Irian Jaya) [3S in ZMAN].

DISTRIBUTION: **Australasian/Oceanian**: Indonesia (Irian Jaya).

arenophilus

Anthrax arenophilus Paramonov, 1935: 8, 23 (key only) [1936b: 77]. TYPE LOCALITY: “Transcaspian” [= Turkmenistan (see Paramonov, 1936b: 77)] [H in SIZK].

DISTRIBUTION: **Palaeartic**: Turkmenistan.

argentatus

Spongostylum argentatum Cole in Cole & Lovett, 1919: 227. TYPE LOCALITY: USA (Oregon) [H in CAS].

DISTRIBUTION: **Nearctic**: Canada (British Columbia), USA (California, Colorado, Idaho, Oregon, Utah, Washington).

argentiuss

Anthrax argentiuss Yeates & Lambkin, 1998: 991. TYPE LOCALITY: Australia (WA) [H in WADA].

DISTRIBUTION: **Australasian/Oceanian**: Australia (SA, WA).

argentiapicalis

Argyromoeba argentiapicalis Brunetti, 1912: 470. TYPE LOCALITY: India (Maharashtra) [3S in NZSI].

DISTRIBUTION: **Oriental**: India (Maharashtra).

argyropygus

Anthrax argyropyga Wiedemann, 1828: 313, 591, 606. TYPE LOCALITY: “Vaterland?” [probably = southeastern USA (see Marston, 1970: 70)] [H in NMW].

Argyromoeba contigua Loew, 1869c: 30 [1872c:144]. TYPE LOCALITY: USA (Virginia) [H in MCZ*].

argyropyga, incorrect original spelling of *argyropyga* (Wiedemann, 1828: 313) [corrected in errata (Wiedemann, 1828: 606)].

DISTRIBUTION: **Nearctic**: Canada (Ontario), Mexico (Morelos, Veracruz-Llave), USA (Arizona, Arkansas, District of Columbia, Florida, Georgia, Illinois, Maryland, Missouri, New Jersey, New York, North Carolina, Ohio, Tennessee, Texas, Virginia, West Virginia). **Neotropical**: Cuba, Mexico (Chiapas).

aridicola

Anthrax aridicolus Hesse, 1956a: 403. TYPE LOCALITY: South Africa (Northern Cape) [H in SAMC].

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

armeniacus

Anthrax armeniacus Paramonov, 1935: 13, 14, 15, 28, 29, 30 (key only) [1936b: 78].

TYPE LOCALITY: Armenia [2S in SIZK].

DISTRIBUTION: **Palaeartic**: Armenia, Azerbaijan, Gruzia.

artemesia

Anthrax limatulus ssp. *artemesia* Marston, 1963: 21. TYPE LOCALITY: USA (Colorado) [H in USNM*].

DISTRIBUTION: **Nearctic**: Mexico (Chihuahua, Distrito Federal, Tamaulipas, Zacatecas), USA (Colorado, Idaho, Kansas, Nebraska, New Mexico, Texas, Utah, Wyoming).

asciculus

Anthrax asciculus Yeates & Lambkin, 1998: 1010. TYPE LOCALITY: Australia (Queensland) [H in QM].

DISTRIBUTION: **Australasian/Oceanian**: Australia (NSW, Queensland, SA, Victoria).

aterrimus

Argyromoeba aterrima Bigot, 1892: 349. TYPE LOCALITY: Not given [= USA (Maryland) (see Painter & Painter, 1962: 72)] [H in BMNH*].

Spongostylum slossonae Johnson, 1913: 55. TYPE LOCALITY: USA (Kentucky) [H in MCZ*].

DISTRIBUTION: **Nearctic**: USA (Connecticut, Florida, Indiana, Kentucky, Louisiana, Maryland, South Carolina, Virginia). **Neotropical**: Cuba.

atriplex

Anthrax atriplex Marston, 1970: 31. TYPE LOCALITY: USA (Arizona) [H in USNM*].

DISTRIBUTION: **Nearctic**: Mexico (Baja California Sur, Durango, Sonora, Tamaulipas), USA (Arizona, California, New Mexico, Oregon, Texas, Utah).

aureosquamosus

Anthrax aureosquamosus ssp. *aureosquamosus* Marston, 1963: 53. TYPE LOCALITY: USA (California) [H in CAS].

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

austrinus

Anthrax austrinus Marston, 1966: 144. [Unavailable; name proposed in an unpublished thesis.]

Anthrax austrinus Marston, 1970: 80. TYPE LOCALITY: Brazil (Santa Catarina) [H in BMNH*].

DISTRIBUTION: **Neotropical**: Brazil (Rio Grande do Sul, Santa Catarina).

aygulus

Anthrax aygulus Fabricius, 1805: 121. TYPE LOCALITY: "Guinea" [= Ghana] [1S in ZMUC].

Anthrax biflexa Loew, 1852: 659 [in Peters, 1862: 12]. TYPE LOCALITY: Mozambique [H in ZMHB*].

Anthrax aygulus ssp. *senegalensis* François, 1972a: 8. TYPE LOCALITY: Senegal [H in KBIN*].

DISTRIBUTION: **Afrotropical**: Botswana, Chad, Congo, Eritrea, Ethiopia, Ghana, Kenya, Malawi, Mauritania, Mozambique, Namibia, Nigeria, Senegal, South Africa (Eastern Cape, KwaZulu-Natal, Northern Cape), Sudan, Tanzania, Uganda, Yemen, Zambia, Zimbabwe. **Oriental**: China (Guanxi, Hainan, Hunan, Yunnan, Zhejiang). **Palaeartic**: China (Jiangxi, Sichuan, Xizang), Egypt, Japan, Saudi Arabia.

badius

Anthrax badius Hesse, 1956a: 394. TYPE LOCALITY: South Africa (Western Cape) [H in SAMC].

DISTRIBUTION: **Afrotropical**: Lesotho, South Africa (Eastern Cape, Western Cape).

baliopteros

Anthrax baliopteros Marston, 1970: 105. TYPE LOCALITY: Brazil (Rio Grande do Sul) [H in USNM*].

DISTRIBUTION: **Neotropical**: Brazil (Rio Grande do Sul, São Paulo).

bellulus

Anthrax bellula Philippi, 1865: 675. TYPE LOCALITY: Chile [T (lost?) in MNNC (see Note 22)].

Spogostylum inappendiculatum Bigot, 1892: 351. TYPE LOCALITY: Chile [H in BMNH*].

DISTRIBUTION: **Neotropical**: Chile.

bezzianus

Anthrax bezzianus Paramonov, 1935: 7, 21 (key only) [1936b: 80]. TYPE LOCALITY: “Syrien” [= Lebanon (see Paramonov, 1936b: 80)] [H in PBC (see Bezzi, 1909: 46–47)].

DISTRIBUTION: **Palaeartic**: Lebanon, Syria.

bifarius

Anthrax bifarius Hesse, 1956a: 429. TYPE LOCALITY: South Africa (Western Cape) [2S in NMSA*; 6S in SAMC].

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

bigoti

Argyromoeba appendiculata Bigot, 1892: 347. TYPE LOCALITY: “Pondichéry” [= India (Tamil Nadu)] [1S in BMNH*]. [Preoccupied by Macquart 1855.]

Argyromoeba bigoti Brunetti, 1920: 222 (new replacement name for *Argyromoeba appendiculata* Bigot, 1892).

DISTRIBUTION: **Oriental**: India (Tamil Nadu).

bimaculus

Anthrax bimacula Walker, 1849: 254. TYPE LOCALITY: “China” [H (lost) in BMNH (J.E. Chainey, pers. comm.)].

DISTRIBUTION: **Oriental** or **Palaeartic**: China.

binotatus

Anthrax binotata Wiedemann in Meigen, 1820: 165. TYPE LOCALITY: Portugal [2S in ZMHB*].

Anthrax subnotata Wiedemann in Meigen, 1820: 166. TYPE LOCALITY: Portugal [H in ZMHB*].

subustata, error for *subnotata*.

DISTRIBUTION: **Palaeartic**: Albania, Armenia, Azerbaijan, Austria, Bosnia-Herzegovina, Bulgaria, Croatia, Czech Republic, Egypt, France, Germany, Greece (incl. Ithaca, Rhodes), Gruzia, Hungary, Iran, Israel, Italy (incl. Sardinia, Sicily), Libya, Macedonia, Moldova, Morocco, Poland, Portugal, Russia (SET), Slovakia, Slovenia, Spain, Switzerland, Syria, Tajikistan, Turkey, Ukraine, Uzbekistan.

boninensis

Argyramoeba boninensis Matsumura, 1916: 284. TYPE LOCALITY: Bonin Is [H in EIHU*].

DISTRIBUTION: **Australasian/Oceanian**: Bonin Is.

bowdeni

Anthrax bowdeni Báez, 1983b: 207. TYPE LOCALITY: Canary Is [H in MABC].

DISTRIBUTION: **Palaeartic**: Canary Is.

brevis

Anthrax brevis Becker & Stein, 1912: 604. *Nomen nudum*.

Anthrax brevis Becker in Becker & Stein, 1913a: 572. TYPE LOCALITY: Iran [H in ZIS].

DISTRIBUTION: **Palaeartic**: Iran.

bucharensis

Anthrax bucharensis Paramonov, 1935: 13, 27 (key only) [1936b: 85]. TYPE LOCALITY: Uzbekistan [H in SIZK].

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

busonicus

Anthrax busonicus François, 1960: 288. TYPE LOCALITY: Burundi [H in KBIN*].

DISTRIBUTION: **Afrotropical**: Burundi, Tanzania, Uganda.

caatingensis

Anthrax caatingensis Marston, 1970: 106. TYPE LOCALITY: Brazil (Rio Grande do Norte) [H in USNM*].

DISTRIBUTION: **Neotropical**: Brazil (Rio Grande do Norte).

camptocladus

Anthrax camptocladus Bezzi, 1912: 622. TYPE LOCALITY: “North Nyasa” [= Malawi] [H in BMNH*].

DISTRIBUTION: **Afrotropical**: Malawi, Zimbabwe.

candidapex

Spongostylum candidapex Austen, 1937: 120. TYPE LOCALITY: Israel (West Bank) [3S in BMNH*].

candidopex, error for *candidapex*.

DISTRIBUTION: **Palaeartic**: Israel (incl. West Bank).

candidulus

Anthrax candidulus Hesse, 1956a: 421. TYPE LOCALITY: South Africa (Eastern Cape) [4S in BMNH*; 2S in SAMC].

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

capicola

Anthrax caffer Hesse, 1956a: 416. TYPE LOCALITY: South Africa (Eastern Cape) [H in SAMC]. [Preoccupied by Wiedemann, 1821.]

Anthrax capicola Bowden, 1980: 410 (new replacement name for *Anthrax caffer* Hesse, 1956).

DISTRIBUTION: **Afrotropical**: Lesotho, Namibia, South Africa (Eastern Cape, Free State, Northern Cape, Western Cape).

carbo

Anthrax carbo Rondani, 1875: 453. TYPE LOCALITY: Malaysia (Sarawak) [H in MCSN].

DISTRIBUTION: **Oriental**: Malaysia (Sarawak).

cascadensis

Anthrax albobasiciatus ssp. *cascadensis* Marston, 1963: 46. TYPE LOCALITY: USA (Oregon) [H in CAS].

DISTRIBUTION: **Nearctic**: Canada (British Columbia), USA (California, Idaho, Montana, Oregon, Utah, Washington).

cascus

Anthrax casca Pallas in Wiedemann, 1818a: 15. TYPE LOCALITY: “In australibus Tartariae” [= Russia (CET or SET)] [T in NMW].

DISTRIBUTION: **Palaearctic**: Russia (CET or SET).

cathetodaithmos

Anthrax cathetodaithmos Marston, 1966: 50. [Unavailable; name proposed in an unpublished thesis.].

Anthrax cathetodaithmos Marston, 1970: 49. TYPE LOCALITY: Mexico (Colima) [H in USNM*].

DISTRIBUTION: **Nearctic**: Mexico (Colima). **Neotropical**: Brazil (Amazonas, Pará), Colombia, Costa Rica, Panama, Peru.

cephus

Anthrax cephus Fabricius, 1805: 124. TYPE LOCALITY: “America meridionali” [= Guyana (see Papavero, 1971: 21)] [1S in ZMUC].

Anthrax noctiluna Walker, 1849: 266. TYPE LOCALITY: Not given [= Neotropical] [H in BMNH*].

DISTRIBUTION: **Neotropical**: Brazil (Amazonas, Goiás, Mato Grosso, Mato Grosso do Sul, Minas Gerais, Paraná, Rio de Janeiro, Santa Catarina, São Paulo), Costa Rica, Panama.

ceylonicus

Anthrax ceylonicus Zaitzev, 1988b: 867 [1990: 112]. TYPE LOCALITY: Sri Lanka [H in ZIS].

DISTRIBUTION: **Oriental**: India (Assam, Bihar, Uttar Pradesh, West Bengal), Sri Lanka.

chalciurus

Anthrax chalciurus Hesse, 1956a: 435. TYPE LOCALITY: South Africa (Northern Cape) [H in SAMC].

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

chaparralus

Anthrax aureosquamosus ssp. *chaparralus* Marston, 1963: 55. TYPE LOCALITY: Mexico (Baja California Norte) [H in CAS].

DISTRIBUTION: **Nearctic**: Mexico (Baja California Norte), USA (California).

chionanthrax

Argyramoeba chionanthrax Bezzi, 1926b: 265. TYPE LOCALITY: Egypt [H in ESEC].
Anthrax cairensis Paramonov, 1935: 10, 15, 25, 30 (key only) [1936b: 86]. TYPE LOCALITY: Egypt [H in ESEC].

Anthrax nanus Paramonov, 1935: 15, 30 (key only) [1936b: 130]. TYPE LOCALITY: Egypt [L designated by El Hawagry *et al.* (2000: 102) in ESEC].

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

chionostigma

Argyramoeba maculosa Sack, 1909: 526. TYPE LOCALITY: "Pamir" [= Tajikistan] [H in ZSMC]. [Preoccupied by Wiedemann, 1819.]

Anthrax chionostigma Tsacas, 1962: 295. TYPE LOCALITY: Greece [H in MNHN].

Anthrax ipiriensis Dils & Weyer, 1995: 85. TYPE LOCALITY: Greece [H in JDPC].

Anthrax tajikistanus Evenhuis & Greathead, 1999: 316 (new replacement name for *Argyramoeba maculosa* Sack, 1909).

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

chivaensis

Anthrax chivaensis Paramonov, 1935: 9, 24 (key only) [1936b: 102]. TYPE LOCALITY: Uzbekistan [H in SIZK].

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

cintalapa

Anthrax cintalapa Cole, 1957: 200. TYPE LOCALITY: Mexico (Chiapas) [H in CAS].
cintalpa, error for *cintalapa*.

DISTRIBUTION: **Nearctic**: Mexico (Baja California Sur, Colima, Guerrero, Jalisco, Morelos, Puebla, Sonora, Tamaulipas, Veracruz-Llave), USA (Arizona, California, Colorado, Nebraska, New Mexico, Texas, Utah). **Neotropical**: Costa Rica, Guatemala, Honduras, Mexico (Oaxaca, Yucatán), Nicaragua, Panama, Venezuela.

clinatus

Anthrax clinatus Yeates & Lambkin, 1998: 1013. TYPE LOCALITY: Australia (WA) [H in ANIC].

DISTRIBUTION: **Australasian/Oceanian**: Australia (NSW, NT, Queensland, WA).

clinopictus

Anthrax clinopictus Marston, 1966: 156. [Unavailable; name proposed in an unpublished thesis.]

Anthrax clinopictus Marston, 1970: 84. TYPE LOCALITY: Brazil (São Paulo) [H in MZSP].

DISTRIBUTION: **Neotropical**: Argentina, Brazil (Paraná, São Paulo).

columbiensis

Anthrax limatulus ssp. *columbiensis* Marston, 1963: 30. TYPE LOCALITY: USA (Idaho) [H in CAS].

DISTRIBUTION: **Nearctic**: USA (Idaho, Oregon, Washington).

comptus

Anthrax comptus Paramonov, 1935: 12, 26, 27 (key only) [1936b: 100]. TYPE LOCALITY: Uzbekistan [2S in SIZK].

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

confluensis

Anthrax confluensis Roberts, 1928a: 139. TYPE LOCALITY: Australia (Queensland) [H

in QM].

DISTRIBUTION: **Australasian/Oceanian**: Australia (ACT, NSW, NT, Queensland, SA, Victoria).

consobrinus

Anthrax consobrinus Hesse, 1956a: 432. TYPE LOCALITY: South Africa (Western Cape) [H in SAMC].

Anthrax consobrinus var. *suffusipunctis* Hesse, 1956a: 434. TYPE LOCALITY: South Africa (Northern Cape) [8S in SAMC].

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

cordillerensis

Anthrax cordillerensis Marston, 1970: 21. TYPE LOCALITY: Chile [H in USNM*].

DISTRIBUTION: **Neotropical**: Argentina, Chile.

costaricensis

Anthrax costaricensis Marston, 1966: 98. [Unavailable; name proposed in an unpublished thesis.]

Anthrax costaricensis Marston, 1970: 63. TYPE LOCALITY: Costa Rica [H in USNM*].

DISTRIBUTION: **Neotropical**: Costa Rica.

crenatus

Anthrax crenatus Yeates & Lambkin, 1998: 1018. TYPE LOCALITY: Australia (NT) [H in ANIC].

DISTRIBUTION: **Australasian/Oceanian**: Australia (ACT, NT, Queensland, SA, Victoria, WA).

cunctator

Anthrax cunctator Hesse, 1956a: 398. TYPE LOCALITY: South Africa (Northern Cape) [H in SAMC].

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

cuthbertsoni

Anthrax cuthbertsoni Hesse, 1956a: 440. TYPE LOCALITY: “Southern Rhodesia” [= Zimbabwe] [H in SAMC].

DISTRIBUTION: **Afrotropical**: Mozambique, Zimbabwe.

cybele

Argyramoeba cybele Coquillett, 1894a: 96. TYPE LOCALITY: USA (California) [L designated by Evenhuis & Greathead (1999: 657) in USNM*].

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

daphne

Argyromoeba daphne Osten Sacken, 1886b: 104. TYPE LOCALITY: Mexico (Sonora) [L designated by Painter & Painter (1962: 73) in BMNH*].

DISTRIBUTION: **Nearctic**: Mexico (Sonora), USA (Arizona, California, Colorado, Idaho, Nevada, New Mexico, Oregon, Utah, Wyoming).

decisus

Anthrax diffusus var. *decisus* Bezzi, 1924a: 162. TYPE LOCALITY: Yemen [H in BMNH*].

DISTRIBUTION: **Afrotropical**: Yemen. **Palaeartic**: Oman, Saudi Arabia.

delicatulus

Anthrax delicatula Walker, 1849: 266. TYPE LOCALITY: Jamaica [H in BMNH*].

DISTRIBUTION: **Neotropical**: Cuba, Dominican Republic, Jamaica.

dentata

Argyromoeba dentata Becker, 1906c: 148. TYPE LOCALITY: Tunisia [1S in ZMHB*].
Anthrax efflatouni Paramonov, 1935: 7, 22 (key only) [1936b: 90]. TYPE LOCALITY: Egypt [H (destroyed) in PPDD (see Note 4)].

DISTRIBUTION: **Afrotropical**: Aldabra, Chad, Eritrea, Kenya, Tanzania, Yemen (incl. Socotra). **Palaeartic**: Algeria, Andorra, Egypt, Hungary, Israel (incl. West Bank), Italy (incl. Sicily), Libya, Malta, Morocco, Saudi Arabia, Spain, Tunisia.

dentoni[†]

Anthrax dentoni Lewis, 1969: 112. TYPE LOCALITY: USA (Washington) (Miocene) [C] [H in UCGC*].

DISTRIBUTION: **Nearctic**: USA (Washington) (Miocene).

desertorum

Anthrax desertorum Paramonov, 1935: 5, 20 (key only) [1936b: 87]. TYPE LOCALITY: “Transkaspien” [= Turkmenistan (see Paramonov, 1936b: 87)] [2S in SIZK].

DISTRIBUTION: **Palaeartic**: Afghanistan, Iran, Turkmenistan, Uzbekistan.

diffusus

Anthrax diffusa Wiedemann, 1824: 23. TYPE LOCALITY: “Prom. bon. sp.” [= South Africa (Western Cape)] [2S in ZMUC; 1S in ZMHB*].

Anthrax maculipennis Macquart, 1840: 56 [1841: 334]. TYPE LOCALITY: “Du Cap” [= South Africa (Western Cape)] [T in UNKN (originally in Serville Collection)].

Anthrax diffusus f. *pallidulus* Hesse, 1956a: 406. TYPE LOCALITY: South Africa (Northern Cape) [H in SAMC]. [Preoccupied by Coquillett, 1894.]

Anthrax diffusus f. *hybridus* Hesse, 1956a: 407. TYPE LOCALITY: South Africa (Northern Cape) [176S in SAMC].

Anthrax diffusus f. *suffusipennis* Hesse, 1956a: 407. TYPE LOCALITY: South Africa (Northern Cape) [H in SAMC].

Anthrax diffusus f. *fuscopurpuratus* Hesse, 1956a: 408. TYPE LOCALITY: South Africa (Eastern Cape) [H in NMSA*].

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

distigma

Anthrax distigma Wiedemann, 1828: 309. TYPE LOCALITY: Indonesia (Java) [H in RMNH*].

Anthrax consobrina Bigot in Brunetti, 1909b: 449. *Nomen nudum*.

DISTRIBUTION: **Afrotropical**: Seychelles. **Australasian/Oceanian**: Indonesia (Maluku), PNG (PNG). **Oriental**: India, Indonesia (Java), Malaysia (Peninsular), Philippines, Singapore, Thailand.

doleschalli

Anthrax argyropygus Doleschall, 1857: 401. TYPE LOCALITY: Indonesia (Maluku) [2S in ZMHB*]. [Preoccupied by Wiedemann, 1828.]

Anthrax doleschalli Evenhuis & Greathead, 1999: 299 (new replacement name for *Anthrax argyropygus* Doleschall, 1857).

DISTRIBUTION: **Oriental**: Indonesia (Maluku).

dolgovskayae

Anthrax dolgovskayae Zaitzev, 1997: 898 [1998b: 643]. TYPE LOCALITY: Israel [H in

ZIS].

DISTRIBUTION: **Palaeartic**: Israel.

doliops

Anthrax doliops Hesse, 1956a: 436. TYPE LOCALITY: South Africa (Western Cape) [H in SAMC].

Anthrax doliops var. *fulviventris* Hesse, 1956a: 439. TYPE LOCALITY: South Africa (Western Cape) [H in SAMC].

Anthrax doliops var. *gamka* Hesse, 1956a: 438. TYPE LOCALITY: South Africa (Western Cape) [H in SAMC].

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

dolobratius

Anthrax dolobratius Yeates & Lambkin, 1998: 1022. TYPE LOCALITY: Australia (NSW) [H in AMS].

DISTRIBUTION: **Australasian/Oceanian**: Australia (ACT, NSW, Queensland, Victoria).

dolomatus

Anthrax dolomatus Bowden, 1964a: 85. TYPE LOCALITY: “Togoland” [= Ghana] [H in JB].

DISTRIBUTION: **Afrotropical**: Ghana.

duodecimpunctatus

Anthrax duodecimpunctata Philippi, 1865: 670. TYPE LOCALITY: Chile [T (lost?) in MNNC (see Note 22)].

DISTRIBUTION: **Neotropical**: Chile, Argentina.

elutus

Spongostylum muticum var. *elutum* Bezzi, 1921a: 125. TYPE LOCALITY: South Africa (Northern Cape) [H in SAMC].

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

emarginatus

Anthrax emarginata Macquart, 1840: 59 [1841: 337]. TYPE LOCALITY: Indonesia (Timor) [H in MNHN*].

DISTRIBUTION: **Oriental**: Indonesia (Timor).

emissus

Anthrax emissa Walker, 1864: 233. TYPE LOCALITY: Indonesia (Maluku) [H in BMNH*].

DISTRIBUTION: **Australasian/Oceanian**: Indonesia (Maluku), PNG (PNG).

emittens

Anthrax emittens Walker, 1860a: 148. TYPE LOCALITY: Indonesia (Maluku) [H in BMNH*].

DISTRIBUTION: **Australasian/Oceanian**: Indonesia (Maluku).

eremicus

Anthrax cana Greathead, 1989: 68. TYPE LOCALITY: United Arab Emirates [H in USNM*]. [Preoccupied by Meigen, 1804.]

Anthrax eremicus Evenhuis & Greathead, 1999: 301 (new replacement name (for *Anthrax cana* Greathead, 1989).

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

eremobius

Anthrax eremobius Hesse, 1956a: 441. TYPE LOCALITY: South Africa (Northern Cape) [3S in SAMC].

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

erythrogaster

Anthrax erythrogaster Paramonov, 1935: 16, 31 (key only). TYPE LOCALITY: “Transkaspien” [= Turkmenistan (see Zaitzev, 1989a: 120)] [1S in SIZK].

DISTRIBUTION: **Palaeartic**: Armenia, Azerbaijan, Gruzia, Kyrgyz Republic, Tajikistan, Turkmenistan, Uzbekistan.

euplanes

Argyromoeba euplanes Loew, 1869c: 30 [1872c: 144]. TYPE LOCALITY: Cuba [H in MCZ*].

DISTRIBUTION: **Neotropical**: Cuba.

eurypterus

Anthrax eurypterus Hesse, 1956a: 412. TYPE LOCALITY: South Africa (Northern Cape) [H in SAMC].

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

fallax

Argyromoeba fallax Meijere, 1907: 244. TYPE LOCALITY: Indonesia (Java) [H in ZMAN].

DISTRIBUTION: **Oriental**: Indonesia (Java, Sumatra).

flavipes

Spongostylum flavipes Röder, 1896: 273. TYPE LOCALITY: “Asia minor (Taurus Cilic.)” [= Turkey] [S in MLUH].

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

flavus

Leucamoeba flava Sack, 1909: 521. TYPE LOCALITY: Turkey [H (destroyed) in HNHM (see Note 9)].

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

francoisi

Anthrax pallidus François, 1966a: 166. TYPE LOCALITY: Greece [H in KBIN*]. [Pre-occupied by Coquillett, 1887.]

Anthrax francoisi Evenhuis & Greathead, 1999: 301 (new replacement name (for *Anthrax pallidus* François, 1966)).

DISTRIBUTION: **Palaeartic**: Greece, Italy.

funebriis

Anthrax funebriis Macquart, 1840: 66 [1841: 344]. TYPE LOCALITY: Dominican Republic [H in MNHN*].

DISTRIBUTION: **Neotropical**: Bahamas, Cuba, Dominican Republic, Haiti.

fur

Argyromoeba fur Osten Sacken, 1877: 244. TYPE LOCALITY: USA (Texas) [L designated by Evenhuis (1982b: 9) in MCZ*].

DISTRIBUTION: **Nearctic**: USA (Arkansas, Kansas, Nebraska, Oklahoma, Texas).

furvus

Anthrax furvus Hesse, 1956a: 398. TYPE LOCALITY: South Africa (Northern Cape) [H in SAMC].

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

galali

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

DISTRIBUTION: **Palearctic**: Egypt.

georgicus

Anthrax analis Say, 1823: 45. TYPE LOCALITY: USA (Georgia) [S (destroyed) in ANSP (see Note 25); 1S in NMW]. [Preoccupied by Lichtenstein, 1796.]

Anthrax georgica Macquart, 1834: 406. TYPE LOCALITY: “De la Géorgie” [= USA (Georgia)] [1S in BMNH*; 1S in MNVL].

Anthrax cedens Walker, 1852: 190. TYPE LOCALITY: “United States” [H in BMNH*].

Hemipenthes latelimbatus Bigot, 1892: 351. TYPE LOCALITY: “Carolina” [= USA (North Carolina or South Carolina)] [L designated by Painter & Painter (1962: 76) in BMNH*].

Spongostylum grossbecki Johnson, 1913: 55. TYPE LOCALITY: USA (Florida) [H in AMNH*].

Spongostylum occidentalis Johnson, 1913: 56. TYPE LOCALITY: USA (Colorado & Washington) [2S in MCZ*].

DISTRIBUTION: **Nearctic**: Canada (Alberta, British Columbia, Manitoba, Northwest Territory, Ontario, Quebec, Saskatchewan), Mexico (Guerrero, Michoacán de Ocampo, Morelos, Nuevo León, Puebla, Sonora, Veracruz-Llave), USA (Arizona, Arkansas, California, Colorado, Connecticut, Delaware, District of Columbia, Florida, Georgia, Idaho, Illinois, Iowa, Kansas, Kentucky, Maryland, Massachusetts, Michigan, Minnesota, Missouri, Montana, Nebraska, Nevada, New Hampshire, New Jersey, New Mexico, New York, North Carolina, Ohio, Oklahoma, Oregon, Pennsylvania, Tennessee, Texas, Utah, Vermont, Virginia, Washington, West Virginia, Wisconsin, Wyoming).
Neotropical: Costa Rica, Cuba, Nicaragua.

gestroi

Argyromoeba gestroi Brunetti, 1912: 470. TYPE LOCALITY: “Bombay Presidency” [= India (Maharashtra)] [S in NZSI].

DISTRIBUTION: **Oriental**: India (Andaman Is, Bihar, Maharashtra, Tamil Nadu).

gideon

Anthrax gideon Fabricius, 1805: 124. TYPE LOCALITY: “America meridionali” [2S in ZMUC; 1S in SMFD].

Anthrax acroleuca Wiedemann, 1828: 312. TYPE LOCALITY: “Südamerika” [= Brazil (from type specimen label data)] [6S in NMW; 1S in ZMHB*].

Argyromoeba propinqua Schiner, 1868b: 123. TYPE LOCALITY: “Südamerika” [= Venezuela (see Marston, 1970: 88)] [H in NMW].

DISTRIBUTION: **Neotropical**: Brazil (Paraná, Rio de Janeiro, Rio Grande do Sul, Santa Catarina), Colombia, Costa Rica, French Guiana, Guyana, Jamaica, Mexico (Veracruz-Llave), Paraguay, Peru, Puerto Rico, Suriname, Venezuela.

giselae

Anthrax giselae François, 1966a: 164. TYPE LOCALITY: Greece [H in KBIN*].

DISTRIBUTION: **Palearctic**: Greece, Italy.

glabratus

Anthrax glabratus Zaitzev, 1976c: 692. TYPE LOCALITY: Iraq [H in ZIS].

DISTRIBUTION: **Palaeartic**: Iraq.

gobiensis

Anthrax gobiensis Zaitzev, 1974a: 322. TYPE LOCALITY: Mongolia [H in ZIS].

DISTRIBUTION: **Palaeartic**: Mongolia.

greateheadi

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

DISTRIBUTION: **Palaeartic**: Egypt.

grisescens

Anthrax grisescens Paramonov, 1935: 14, 28, 29 (key only) [1936b: 104]. TYPE LOCALITY: Uzbekistan [2S in SIZK (the specimen from Turkmenistan listed in Paramonov (1936b: 105) is not part of the original (*i.e.*, Paramonov, 1935) type series, though listed as such in Zaitzev (1989a: 120)].

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

hemimelas

Anthrax hemimelas Speiser, 1910: 78. TYPE LOCALITY: Tanzania [H in NHRS].

Anthrax homogeneous Bezzi, 1912: 622. TYPE LOCALITY: "North Nyasa" [= Malawi] [H in BMNH*].

Anthrax dimidiatipennis Hesse, 1956a: 423. TYPE LOCALITY: South Africa (KwaZulu-Natal) [H in SAMC].

Anthrax mimetes Hesse, 1956a: 424. TYPE LOCALITY: South Africa (Mpumalanga) [H in NMSA*].

lemimelas, error for *hemimelas*.

DISTRIBUTION: **Afrotropical**: Eritrea, Ethiopia, Ghana, Kenya, Malawi, Mali, Nigeria, Senegal, Sierra Leone, South Africa (Free State, KwaZulu-Natal, Mpumalanga), Sudan, Tanzania, Togo, Uganda, Zambia.

hessii

Anthrax hessii Wiedemann, 1818b: 40. TYPE LOCALITY: "Vom Kap" [= South Africa (Western Cape)] [2S in ZMUC; 1S in NMW*].

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

hyalacrus

Anthrax hyalacrus Wiedemann, 1828: 315. TYPE LOCALITY: "Brasilien" [= Brazil or Uruguay] [1S in NMW; 1S in SMFD; 1S in ZMHB*].

DISTRIBUTION: **Neotropical**: Brazil (Amazonas, Pará, Santa Catarina, São Paulo), Peru.

hylaiois

Anthrax hylaiois Marston, 1966: 54. [Unavailable; name proposed in an unpublished thesis.]

Anthrax hylaiois Marston, 1970: 50. TYPE LOCALITY: Brazil (Rio de Janeiro) [H in FIOC].

DISTRIBUTION: **Neotropical**: Brazil (Mato Grosso, Minas Gerais, Rio de Janeiro, Santa Catarina, São Paulo).

inaquosum

Anthrax inaquosum Marston, 1966: 187. [Unavailable; name proposed in an unpublished thesis.]

Anthrax inaquosum Marston, 1970: 93. TYPE LOCALITY: Brazil (Rio Grande do

Norte) [H in USNM*].

DISTRIBUTION: **Neotropical**: Brazil (Rio Grande do Norte).

incisus

Anthrax incisus Macquart, 1847a: 52 [1847b: 68]. TYPE LOCALITY: Australia (Queensland) [H in BMNH*].

DISTRIBUTION: **Australasian/Oceanian**: Australia (Queensland).

incitus

Anthrax incitus Paramonov, 1935: 11, 25 (key only) [1936b: 96]. TYPE LOCALITY: Armenia [H in SIZK].

DISTRIBUTION: **Palaearctic**: Armenia.

incomptus

Anthrax incompta Walker, 1849: 253. TYPE LOCALITY: Australia (WA) [H in BMNH*].

Anthrax semimacula Walker, 1849: 254. TYPE LOCALITY: “New Holland” [= Australia] [H in BMNH*].

DISTRIBUTION: **Australasian/Oceanian**: Australia (ACT, NSW, NT, Queensland, SA, Victoria, WA), ?PNG (Bismarck Arch), Vanuatu. **Oriental**: Christmas I.

indicatus

Anthrax indicata Nurse, 1922b: 883. TYPE LOCALITY: India (Maharashtra) [H in BMNH*].

DISTRIBUTION: **Oriental**: India (Maharashtra).

innubilipennis

Anthrax innubilipennis Marston, 1966: 130. [Unavailable; name proposed in an unpublished thesis.]

Anthrax innubilipennis Marston, 1970: 64. TYPE LOCALITY: Mexico (Guerrero) [H in USNM*].

DISTRIBUTION: **Nearctic**: Mexico (Guerrero).

inordinatus

Anthrax vicinus Blanchard, 1852: 381. TYPE LOCALITY: Chile [T in UNKN]. [Pre-occupied by Macquart, 1840.]

Anthrax inordinatus Rondani, 1863: 64 [1864: 64]. TYPE LOCALITY: Chile [T in UNKN].

Argyromoeba poecilophora Schiner, 1868b: 121. TYPE LOCALITY: Chile [L designated by Painter & Painter in Marston (1970: 23) in NMW].

Villa antipoda Hull, 1973: 373 (new replacement name for *Anthrax vicinus* Blanchard, 1852).

DISTRIBUTION: **Neotropical**: Chile.

institutus

Anthrax instituta Walker, 1852: 183. TYPE LOCALITY: “East India” [= India] [S (lost) in BMNH (J.E. Chainey, pers. comm.)].

DISTRIBUTION: **Oriental**: India.

insulanus

Anthrax insulanus Marston, 1970: 26. TYPE LOCALITY: Bahamas [H in AMNH*].

DISTRIBUTION: **Neotropical**: Bahamas, Cuba, Dominican Republic, Haiti, Puerto Rico.

intermedius

Anthrax intermedius Hesse, 1936: 173. TYPE LOCALITY: Botswana [H in NMSA*].
DISTRIBUTION: **Afrotropical**: Botswana.

irroratus

Anthrax irroratus Say, 1823: 46. TYPE LOCALITY: USA (“near the Rocky Mountains”) [T (destroyed) in ANSP (see Note 25)].

DISTRIBUTION: **Nearctic**: Canada (Alberta, British Columbia, Manitoba, Northwest Territory, Nova Scotia, Ontario, Quebec, Saskatchewan), Mexico (Baja California Norte, Baja California Sur, Colima, Guerrero, Michoacán de Ocampo, Morelos, Nayarit, Puebla, San Luis Potosí, Sinaloa, Sonora, Veracruz-Llave, Zacatecas), USA (Alaska, Arizona, Arkansas, California, Colorado, Connecticut, Idaho, Illinois, Indiana, Kansas, Maryland, Massachusetts, Michigan, Missouri, Montana, Nebraska, Nevada, New Hampshire, New Jersey, New Mexico, New York, Oregon, Pennsylvania, Tennessee, Texas, Utah, Virginia, West Virginia, Wyoming). **Neotropical**: Guatemala, Honduras, Mexico (Oaxaca), Puerto Rico.

jazykovi

Anthrax jazykovi Paramonov in Zakhvatkin, 1931: 390. *Nomen nudum*.

Anthrax jazykovi Zakhvatkin, 1934: 184. TYPE LOCALITY: Uzbekistan [2S in SIZK].

Anthrax jazykovi Paramonov, 1935: 9, 23 (key only) [1936b: 98]. TYPE LOCALITY: Uzbekistan [2S in SIZK; same type specimens as for *Anthrax jazykovi* Zakhvatkin]. [Preoccupied by Zakhvatkin, 1934.]

DISTRIBUTION: **Palaeartic**: Armenia, Azerbaijan, Gruzia, Mongolia, Tajikistan, Uzbekistan.

johanni

Anthrax muscaria Klug, 1832: pl. 30, fig. 15. TYPE LOCALITY: “Aegyptus superior” [= Egypt] [H in ZMHB*]. [Preoccupied by Pallas, 1818.]

Anthrax johanni Zaitzev, 1997: 900 [1998b: 644] (new replacement name for *Anthrax muscaria* Klug, 1832).

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

kaokoensis

Anthrax kaokoensis Hesse, 1956a: 445. TYPE LOCALITY: “South-West Africa” [= Namibia] [H in SAMC].

DISTRIBUTION: **Afrotropical**: Namibia.

kiritshenkoi

Anthrax kiritshenkoi Paramonov, 1935: 9, 23 (key only) [1936b: 100]. TYPE LOCALITY: Iran [H in ZIS; L designated by Zaitzev & Kandybina (1983: 24) invalid].

DISTRIBUTION: **Palaeartic**: Iran, Morocco.

koebeleri

Anthrax koebeleri Marston, 1966: 184. [Unavailable; name proposed in an unpublished thesis.]

Anthrax koebeleri Marston, 1970: 92. TYPE LOCALITY: USA (Arizona) [H in CAS].

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

koshunensis

Anthrax koshunensis Matsumura, 1916: 282. TYPE LOCALITY: Taiwan [H in EIHU*].

DISTRIBUTION: **Australasian/Oceanian**: Bonin Is, Guam, USA (Hawaiian Is)

[introduced]. **Oriental:** Taiwan. **Palearctic:** Japan.

laetus

Anthrax laetus Paramonov, 1935: 13, 27 (key only) [1936b: 106]. TYPE LOCALITY: “Transkaspien” [= Turkmenistan (see Paramonov, 1936b: 106)] [H in SIZK].
DISTRIBUTION: **Palearctic:** Tajikistan, Turkmenistan.

laevipennis

Anthrax laevipennis Paramonov, 1935: 8, 23 (key only) [1936b: 115]. TYPE LOCALITY: “Transkaspien” [= Turkmenistan (see Paramonov, 1936b: 115)] [2S in SIZK].
DISTRIBUTION: **Palearctic:** Turkmenistan.

larrea

Anthrax limatulus ssp. *larrea* Marston, 1963: 25. TYPE LOCALITY: USA (Arizona) [H in USNM*].
DISTRIBUTION: **Nearctic:** USA (Arizona, California, New Mexico, Texas).

latibasis

Anthrax latibasis Marston, 1970: 99. TYPE LOCALITY: Peru [H in AMNH*].
DISTRIBUTION: **Neotropical:** Peru.

laticellus

Anthrax laticellus Marston, 1966: 101. [Unavailable; name proposed in an unpublished thesis.]
Anthrax laticellus Marston, 1970: 64. TYPE LOCALITY: USA (Arizona) [H in USNM*].
DISTRIBUTION: **Nearctic:** USA (Arizona).

latifascius

Anthrax latifascia Walker, 1857: 142. TYPE LOCALITY: “China” [H in BMNH*].
DISTRIBUTION: **Oriental** or **Palearctic:** China.

lepidiotus

Anthrax lepidiota Roberts, 1928a: 138. TYPE LOCALITY: Australia (Queensland) [H in QM].
DISTRIBUTION: **Australasian/Oceanian:** Australia (NT, Queensland).

leucurus

Anthrax leucurus Hesse, 1956a: 439. TYPE LOCALITY: South Africa (Northern Cape) [H in NMSA*].
DISTRIBUTION: **Afrotropical:** South Africa (Northern Cape).

limatulus

Anthrax limatulus Say, 1829: 157. TYPE LOCALITY: USA (Indiana) [S (destroyed) in ANSP (see Note 25); 3S in NMW].
Argyromoeba obsoleta Loew, 1869c: 29 [1872c: 143]. TYPE LOCALITY: USA (Missouri) [H in MCZ*].
DISTRIBUTION: **Nearctic:** USA (Alabama, Arkansas, Delaware, Georgia, Illinois, Indiana, Louisiana, Maryland, Mississippi, Missouri, New Hampshire, North Carolina, South Carolina, Texas, Vermont, Virginia).

lucidus

Argyromoeba lucida Becker, 1902: 29. TYPE LOCALITY: “Siala” [= Egypt] [H in ZMHB*].
Anthrax hassani Paramonov, 1935: 11, 25, 26 (key only) [1936b: 94]. TYPE LOCALITY: Egypt [1S in ESEC].

Spongostylum nigrum Austen, 1937: 122. TYPE LOCALITY: Israel (West Bank) [H in BMNH*].

DISTRIBUTION: **Afrotropical:** Sudan. **Palaeartic:** Egypt, Israel (incl. West Bank), Libya, Tunisia.

luctuosus

Anthrax luctuosa Macquart, 1840: 70 [1841: 348]. TYPE LOCALITY: “Patrie inconnue” [= French Guiana (see Marston, 1970: 49)] [H in MNHN*].

DISTRIBUTION: **Neotropical:** Brazil (Acre), Colombia, Costa Rica, French Guiana, Mexico (Chiapas, Oaxaca), Panama, Venezuela.

macquarti

Anthrax leucopyga Macquart, 1855: 96(76). TYPE LOCALITY: “Amérique méridionale” [L designated by Painter & Painter in Marston (1970: 78) in BMNH* (lectotype designation valid by virtue of I.C.Z.N. Code Art. 74a)]. [Preoccupied by Macquart, 1840.]

Anthrax macquarti d’Andretta & Carrera, 1952: 296 (new replacement name for *Anthrax leucopyga* Macquart, 1855) [see Marston (1970: 78) for details concerning the interpretation of this species as a new replacement name].

DISTRIBUTION: **Neotropical:** Brazil, Bolivia, French Guiana, Paraguay, Peru, Suriname, Venezuela.

macrocerus

Anthrax macrocerus Paramonov, 1935: 8, 22 (key only) [1936b: 122]. TYPE LOCALITY: “Transkaspien” [= Uzbekistan (see Paramonov, 1936b: 122)] [H in SIZK].

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

maculatus

Anthrax maculata Macquart, 1846: 240(112). TYPE LOCALITY: Australia (Tasmania) [4S in MNHN*; 4S in BMNH*].

Anthrax diana Walker, 1849: 252. TYPE LOCALITY: Not given [= Australia & Australia (WA) (from type specimen label data)] [2S in BMNH*].

Anthrax australis Walker, 1852: 193. TYPE LOCALITY: “Van Diemen’s Land” [= Australia (Tasmania)] & Australia (WA) [2S in BMNH*].

DISTRIBUTION: **Australasian/Oceanian:** Australia (ACT, NSW, NT, Queensland, SA, Tasmania, Victoria, WA).

majusculus

Anthrax diffusus var. *majusculus* Bezzi, 1924a: 16. TYPE LOCALITY: “Belgian Congo” [= Congo] [H in BMNH*].

DISTRIBUTION: **Afrotropical:** Congo.

marstoni

Anthrax nitidus Marston, 1966: 39. [Unavailable; name proposed in an unpublished thesis.]

Anthrax nitidus Marston, 1970: 46. TYPE LOCALITY: USA (California) [H in CAS]. [Preoccupied by Austen, 1937.]

Anthrax marstoni Evenhuis & Greathead, 1999: 308 (new replacement name for *Anthrax nitidus* Marston, 1970).

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

massinissus

Anthrax massinissa Wiedemann, 1828: 562. TYPE LOCALITY: “Nubien” [= Egypt or Sudan] [2S in SMFD; 1S in ZMHB*; 1S in NMW*].

DISTRIBUTION: **Afrotropical:** Sudan. **Palaeartic:** Egypt.

mateui

Anthrax mateui François, 1968b: 92. TYPE LOCALITY: Algeria [H in MNHN].
DISTRIBUTION: **Palaeartic**: Algeria.

matilei

Anthrax matilei Evenhuis, 1991a: 281. TYPE LOCALITY: New Caledonia (New Caledonia) [H in BPBM*].
DISTRIBUTION: **Australasian/Oceanian**: New Caledonia (New Caledonia).

melanista

Argyromoeba melanista Bezzi, 1925: 221. TYPE LOCALITY: Egypt [L designated by El Hawagry *et al.* (2000: 104) in ESEC].
DISTRIBUTION: **Palaeartic**: Egypt.

melanius

Anthrax melanius Wulp, 1885b: 84. TYPE LOCALITY: Indonesia (Java) [2S in RMNH*].
DISTRIBUTION: **Australasian/Oceanian**: PNG (PNG). **Oriental**: Indonesia (Java).

melanopogon

Argyromoeba melanopogon Bigot, 1892: 348. TYPE LOCALITY: “Amérique du Nord” [= USA (Washington)] [L designated by Painter & Painter (1962: 77) in BMNH*].
DISTRIBUTION: **Nearctic**: Canada (British Columbia), USA (Arizona, California, Colorado, Idaho, Montana, New Mexico, Oregon, Utah, Washington).

mendozanus

Anthrax mendozana Brèthes, 1909: 90. TYPE LOCALITY: Argentina [H in MACN].
DISTRIBUTION: **Neotropical**: Argentina.

midas

Anthrax midas Fabricius, 1805: 124. TYPE LOCALITY: “America meridionali” [1S in ZMUC].
Anthrax guianica Curran, 1934a: 362. TYPE LOCALITY: “British Guiana” [= Guyana] [H in AMNH*].
Anthrax mexicanus Cole, 1957: 202. TYPE LOCALITY: Mexico (Chiapas) [H in CAS].
DISTRIBUTION: **Neotropical**: Brazil (Acre, Amazonas, Goiás, Mato Grosso, Minas Gerais, Rio Grande do Norte, São Paulo), Colombia, Costa Rica, Guyana, Mexico (Chiapas, Yucatán), Venezuela.

minimaculatus

Anthrax minimaculatus Oldroyd, 1938: 83. TYPE LOCALITY: Argentina [H in BMNH*].
DISTRIBUTION: **Neotropical**: Argentina.

monachus

Chalcamoeba monacha Sack, 1909: 523. TYPE LOCALITY: Iran [L designated by Zaitzev & Kandybina (1983: 28) in ZIS].
DISTRIBUTION: **Palaeartic**: Armenia, Azerbaijan, Gruzia, Iran, Kyrgyz Republic, Tajikistan, Turkmenistan, Turkey, Uzbekistan.

mongolicus

Anthrax mongolicus Paramonov, 1935: 8, 22 (key only) [1936b: 127]. TYPE LOCALITY: Mongolia [L designated by Zaitzev & Kandybina (1983: 29) in ZIS].
DISTRIBUTION: **Palaeartic**: China (Nei Monggol), Mongolia.

moursyi

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

munroi

Anthrax munroi Hesse, 1956a: 399. TYPE LOCALITY: South Africa (Gauteng) [2S in NMSA*].

Anthrax munroi var. *willowmorensis* Hesse, 1956a: 401. TYPE LOCALITY: South Africa (Eastern Cape) [H in NMSA*].

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

muticus

Spongostylum muticum Bezzi, 1921a: 125. TYPE LOCALITY: South Africa (Northern Cape) [2S in SAMC].

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

namaensis

Anthrax namaensis Hesse, 1956a: 401. TYPE LOCALITY: South Africa (Northern Cape) [H in SAMC].

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

nanellus

Anthrax nanellus Paramonov, 1935: 15, 30 (key only) [1936b: 129]. TYPE LOCALITY: "Transkaspien" [= Turkmenistan (see Paramonov, 1936b: 129)] [H in SIZK].

DISTRIBUTION: **Palaeartic**: Turkmenistan.

neonanus

Anthrax nanus Hesse, 1956a: 393. TYPE LOCALITY: "Southern Rhodesia" [= Zimbabwe] [H in BMNH*]. [Preoccupied by Paramonov, 1935.]

Anthrax neonanus Evenhuis & Greathead, 1999: 309) (new replacement name for *Anthrax nanus* Hesse, 1956).

DISTRIBUTION: **Afrotropical**: Zimbabwe.

nidicola

Anthrax nidicola Cole, 1952: 126. TYPE LOCALITY: USA (California) [H in CAS].

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

nigerrimus

Anthrax nigerrimus Bezzi, 1923b: 325. TYPE LOCALITY: Kenya [Kibwézi] [2S in MNHN].

Anthrax nigerrimus Bezzi, 1924a: 164. TYPE LOCALITY: Kenya [Luchi River] [H in BMNH*]. [Preoccupied by Bezzi, 1923.]

Anthrax nigerrimus ssp. *ocellatus* Bezzi, 1924a: 165. TYPE LOCALITY: "Uganda Protectorate" [= Uganda] [H in BMNH*].

DISTRIBUTION: **Afrotropical**: Congo, Kenya, Malawi, Tanzania, Uganda.

nigriventris

Anthrax pluto ssp. *nigriventris* Marston, 1970: 25. TYPE LOCALITY: USA (Texas) [H in USNM*].

DISTRIBUTION: **Nearctic**: Mexico (Guerrero, Morelos, Tamaulipas), USA (Florida, Georgia, Texas). **Neotropical**: Cuba.

nitidus

Spongostylum nitidum Austen, 1937: 118. TYPE LOCALITY: Israel (West Bank) [4S in BMNH*].

DISTRIBUTION: **Palaeartic**: Israel (West Bank).

niveicaudus

Argyromoeba niveicauda Brunetti, 1920: 224. TYPE LOCALITY: India (Kerala & West Bengal) [3S in NZSI].

DISTRIBUTION: **Oriental:** Bangladesh, India (Bihar, Kerala, Tamil Nadu, West Bengal), Malaysia (Peninsular), Singapore.

nubeculosus

Anthrax nubeculosus Hesse, 1956a: 392. TYPE LOCALITY: South Africa (Northern Cape) [H in SAMC].

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

obscurifrons

Argyromoeba obscurifrons Brunetti, 1909b: 216. TYPE LOCALITY: India (Himachal Pradesh) [H in NZSI].

DISTRIBUTION: **Oriental:** India (Himachal Pradesh, Karnataka).

oedipus

Anthrax oedipus Fabricius, 1805: 123. TYPE LOCALITY: “Americae meridionalis Insulis” [= U.S. Virgin Is] [L designated by Painter & Painter (1962: 78) in ZMUC].

Anthrax irrorata Macquart, 1840: 60 [1841: 338]. TYPE LOCALITY: “Caroline” [error, probably = Neotropical] [L designated by Evenhuis & Greathead (1999: 648) in BMNH*]. [Preoccupied by Say, 1823.]

Exoprosopa punctata Macquart, 1850: 412(108). TYPE LOCALITY: “Amérique méridionale” [4S in BMNH*]. [Preoccupied by Meigen, 1820.]

Anthrax punctum Walker, 1849: 253. TYPE LOCALITY: “Brazil” [T in UNKN].

Anthrax aequa Walker, 1852: 192. TYPE LOCALITY: “South America” [= Brazil (see Marston, 1970: 17)] [H in BMNH*].

Argyromoeba caloptera Schiner, 1868b: 121. TYPE LOCALITY: “Südamerika” [= Venezuela (see Marston, 1970: 17)] [H in NMW]. [Preoccupied by Pallas, 1818.]

DISTRIBUTION: **Nearctic:** Mexico (Baja California Norte, Nayarit, Morelos, Sinaloa, Sonora), USA (Nevada, Texas). **Neotropical:** Argentina, Brazil (Acre, Goiás, Minas Gerais, Paraná, Rio de Janeiro), British Virgin Is, Chile, Costa Rica, Cuba, Jamaica, Mexico (Chiapas, Oaxaca), Paraguay, Peru, Puerto Rico, U.S. Virgin Is, Uruguay, Venezuela.

opacus

Anthrax opacus Yeates & Lambkin, 1998: 1027. TYPE LOCALITY: Australia (Queensland) [H in ANIC].

DISTRIBUTION: **Australasian/Oceanian:** Australia (NSW, Queensland, SA).

painteri

Anthrax argyropygus ssp. *painteri* Marston, 1970: 71. TYPE LOCALITY: USA (Arizona) [H in USNM*].

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

palaesticus

Anthrax palaesticus Zaitzev, 1997: 901 [1998b: 647]. TYPE LOCALITY: Israel [H in ZIS].

DISTRIBUTION: **Palaeartic:** Israel.

pargrisescens

Anthrax pargrisescens Paramonov, 1935: 14, 28, 29 (key only) [1936b: 106]. TYPE LOCALITY: "Turkestan" [= Kazakhstan & Uzbekistan (see Paramonov, 1936b: 106)] [1S in SIZK].

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

pauper

Argyramoeba pauper Loew, 1869c: 29 [1872c:143]. TYPE LOCALITY: USA (Illinois) [H in MCZ*].

DISTRIBUTION: **Nearctic:** Canada (Ontario), USA (Alabama, Colorado, Illinois, Indiana, Kansas, Maryland, Massachusetts, Michigan, Nebraska, New Jersey, New Mexico, New York, Oklahoma, Pennsylvania, Texas, Utah, Vermont, Virginia, Wisconsin).

pelopeius

Anthrax pelopeius François, 1966a: 169. TYPE LOCALITY: Greece [H in KBIN*].

DISTRIBUTION: **Palaeartic:** Greece, Italy.

peruvianus

Anthrax peruvianus Marston, 1970: 19. TYPE LOCALITY: Peru [H in USNM*].

DISTRIBUTION: **Neotropical:** Peru.

phaeopteralis

Anthrax phaeopteralis Hesse, 1956a: 396. TYPE LOCALITY: South Africa (Northern Cape) [H in SAMC].

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

pharaonis

Anthrax pharaonis Paramonov, 1935: 15, 30 (key only) [1936b: 138]. TYPE LOCALITY: Egypt [H (destroyed) in PPDD (see Note 4)].

DISTRIBUTION: **Palaeartic:** Egypt.

picea

Anthrax albofasciatus ssp. *picea* Marston, 1963: 42. TYPE LOCALITY: Canada (Yukon) [H in CNC*].

DISTRIBUTION: **Nearctic:** Canada (Alberta, British Columbia, Manitoba, Northwest Territories, Ontario, Quebec, Saskatchewan, Yukon), USA (Idaho, Montana, New Hampshire, Oregon, Washington).

pilosulus

Anthrax isis var. *pilosulus* Strobl, 1902: 465 [1904: 523]. TYPE LOCALITY: Turkey [4S in NMBA].

Anthrax pilosulus var. *tadzhikorum* Paramonov, 1935: 13, 14, 28, 29 (key only) [1936b: 108, 110]. TYPE LOCALITY: "Turkestan" [= Uzbekistan (see Paramonov, 1936b: 108, 110)] [2S in SIZK].

Anthrax strobli Paramonov, 1936b: 108, 109. [Unavailable; name proposed in synonymy with *Anthrax pilosulus* Strobl and not made available before 1961.]

DISTRIBUTION: **Palaeartic:** Armenia, Azerbaijan, Greece (incl. Lefkas), Gruzia, Israel, Italy, Kyrgyz Republic, Macedonia, Moldova, Russia (SET), Tajikistan, Turkey, Turkmenistan, Ukraine, Uzbekistan, Yugoslavia.

pithecius

Anthrax pithecius Fabricius, 1805: 122. TYPE LOCALITY: "Guinea" [= Ghana] [1S in

ZMUC].

Anthrax conspircata Wiedemann, 1828: 264. TYPE LOCALITY: “Vom Kap” [= South Africa (Western Cape)] [2S in ZMHB*].

Anthrax confluens Macquart, 1840: 60 [1841: 338]. TYPE LOCALITY: “Patrie inconne” [= Afrotropical] [H in MNHN*].

Anthrax terminus Walker, 1849: 252. TYPE LOCALITY: “South Africa” [1S in BMNH*].

Anthrax confusemaculata Macquart, 1855: 94(74) (as “*confuse-maculata*”). TYPE LOCALITY: South Africa (KwaZulu-Natal) [4S in BMNH*].

Anthrax spectabilis Loew, 1860a: 89 [1860b: 285; 1860c: 213]. TYPE LOCALITY: “Caf-fraria” [= South Africa (Eastern Cape)] & “Cap. B. Sp.” [= South Africa (Western Cape)] [2S in NHRS].

Argyromoeba perfecta Becker, 1922: 58. TYPE LOCALITY: Sudan [H in NMW*].

conspircata, error for *conspurcata*.

DISTRIBUTION: **Afrotropical**: Angola, Benin, Botswana, Chad, Congo, Eritrea, Ethiopia, Ghana, Kenya, Lesotho, Malawi, Mali, Mauritania, Namibia, Nigeria, Senegal, Sierra Leone, South Africa (Eastern Cape, Free State, Kwa-Zulu-Natal, Mpumalanga, Northern Province, Western Cape), Sudan, Tanzania, Togo, Uganda, Zambia, Zimbabwe.

plesius

Anthrax plesius Curran, 1927a: 84. TYPE LOCALITY: Canada (British Columbia) [H in CNC*].

DISTRIBUTION: **Nearctic**: Canada (British Columbia), USA (California, Colorado, Idaho, Oregon, Utah, Washington, Wyoming).

pluricellus

Anthrax pluricellus Williston, 1901: 277. TYPE LOCALITY: Mexico (Veracruz-Llave) [H in BMNH*].

DISTRIBUTION: **Nearctic**: Mexico (Tamaulipas, Veracruz-Llave).

plurinotus

Argyromoeba plurinota Bigot, 1892: 350. TYPE LOCALITY: Chile [H in BMNH*].

DISTRIBUTION: **Neotropical**: Argentina, Chile.

pluto

Anthrax pluto Wiedemann, 1828: 261. TYPE LOCALITY: USA (Kentucky) [L designated by Painter & Painter (1962: 80) in NMW].

DISTRIBUTION: **Nearctic**: USA (Illinois, Iowa, Kansas, Kentucky, Michigan, Minnesota, Nebraska, New Hampshire, New York).

pori

Anthrax pori Zaitzev, 1997: 903 [1998b: 647]. TYPE LOCALITY: Israel [H in ZIS].

DISTRIBUTION: **Palaeartic**: Israel.

praedicans

Anthrax praedicans Walker, 1859: 112. TYPE LOCALITY: Indonesia (Sulawesi) [T in UNKN].

DISTRIBUTION: **Oriental**: Indonesia (Sulawesi).

proconcisus

Anthrax concisa Macquart, 1850: 415(111). TYPE LOCALITY: “Nouvelle-Hollande, côte orientale” [= eastern Australia] [H in MNHN*]. [Preoccupied by Macquart, 1840.]

Villa proconcosa Hardy, 1942: 203 (new replacement name for *Anthrax concisa* Macquart, 1850).

DISTRIBUTION: **Australasian/Oceanian**: Australia (ACT, NSW, Queensland, SA, Victoria).

punctulatus

Anthrax punctata Macquart, 1834: 408. TYPE LOCALITY: France [4S in BMNH*]. [Preoccupied by Meigen, 1820.]

Anthrax punctulata Macquart, 1835: 662 (new replacement name for *Anthrax punctata* Macquart, 1834).

DISTRIBUTION: **Palaeartic**: France, Italy, Switzerland.

puncturellus

Anthrax puncturellus Hesse, 1950: 23. TYPE LOCALITY: “South West Africa” [= Namibia] [2S in SAMC].

DISTRIBUTION: **Afrotropical**: Mozambique, Namibia, Zimbabwe.

pusillus

Anthrax pusilla Wiedemann, 1821a: 100 [1821b: 150]. TYPE LOCALITY: “Prom. bon. sp.” [= South Africa (Western Cape)] [H in ZMUC].

DISTRIBUTION: **Afrotropical**: Botswana, South Africa (Eastern Cape, Western Cape), Tanzania.

putealis

Anthrax putealis Matsumura, 1905: 82. TYPE LOCALITY: Japan [H in EIHU].

DISTRIBUTION: **Palaeartic**: Japan.

repertus

Anthrax reperta Walker, 1852: 188. TYPE LOCALITY: “South America” [H in BMNH*].

Anthrax inexacta Walker, 1857: 140. TYPE LOCALITY: “Valley of the Amazon” [= Brazil (Amazonas or Pará)] [H in BMNH*].

DISTRIBUTION: **Neotropical**: Bolivia, Brazil (Amazona, Pará), Costa Rica, Ecuador, Honduras, Paraguay.

repetekianus

Anthrax repetekianus Paramonov, 1935: 14, 29 (key only) [1936b: 143]. TYPE LOCALITY: “Transkaspian” [= Turkmenistan (see Paramonov, 1936b: 143)] [2S in SIZK].

DISTRIBUTION: **Palaeartic**: Armenia, Azerbaijan, Gruzia, Tajikistan, Turkmenistan, Uzbekistan.

rhodesiensis

Anthrax rhodesiensis Hesse, 1956a: 411. TYPE LOCALITY: “Southern Rhodesia” [= Zimbabwe] [H in SAMC].

DISTRIBUTION: **Afrotropical**: Zimbabwe.

ricardoae

Argyromoeba fuscipennis Ricardo, 1903: 366. TYPE LOCALITY: Yemen (Sokotra) [H in BMNH*]. [Preoccupied by Macquart, 1834.]

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

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

sacki

Anthrax sacki Paramonov, 1935: 12, 26 (key only) [1936b: 110]. TYPE LOCALITY:

Uzbekistan [H in SIZK].

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

sahariensis

Anthrax sahariensis François, 1968b: 91. TYPE LOCALITY: Algeria [H in MNHN].

DISTRIBUTION: **Palaeartic:** Algeria.

semiscitus

Anthrax semiscita Walker, 1856b: 118. TYPE LOCALITY: Malaysia (Sarawak) [T in UNKN].

Anthrax tripunctata Wulp, 1869: 109. TYPE LOCALITY: Indonesia (Irian Jaya) [H in RMNH]. [Preoccupied by Wiedemann, 1820.]

DISTRIBUTION: **Australasian/Oceanian:** ?French Polynesia (Society Is), Indonesia (Irian Jaya), PNG (Bismarck Arch, Bougainville I, PNG), Solomon Is.
Oriental: Indonesia (Sulawesi), Malaysia (Sarawak), Philippines.

seriepunctatus

Argyromoeba seriepunctata Osten Sacken, 1886b: 103. TYPE LOCALITY: Mexico (Sonora) [L designated by Painter & Painter (1962: 81) in BMNH*].

DISTRIBUTION: **Nearctic:** Mexico (Baja California Sur, Sonora, Puebla), USA (Arizona, Nevada, New Mexico, Texas).

shelkovnikovi

Anthrax shelkovnikovi Paramonov, 1935: 10, 24 (key only) [1936b: 145]. TYPE LOCALITY: Armenia [2S in SIZK].

DISTRIBUTION: **Palaeartic:** Armenia, Azerbaijan.

siccus

Anthrax funestus Yeates & Lambkin, 1998: 1024. TYPE LOCALITY: Australia (WA) [H in ANIC]. [Preoccupied by Walker, 1849.]

Anthrax siccus Yeates & Lambkin in Evenhuis & Greathead, 1999: 314 (new replacement name for *Anthrax funestus* Yeates & Lambkin, 1998).

DISTRIBUTION: **Australasian/Oceanian:** Australia (Victoria, WA).

simillimus

Anthrax simillimus Hesse, 1956a: 415. TYPE LOCALITY: South Africa (Western Cape) [H in SAMC].

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

snowi

Anthrax snowi Marston, 1966: 94. [Unavailable; name proposed in an unpublished thesis.]

Anthrax snowi Marston, 1970: 62. TYPE LOCALITY: USA (Arizona) [H in SEMC].

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

spathistylus

Anthrax spathistylus Hesse, 1956a: 443. TYPE LOCALITY: South Africa (Western Cape) [H in SAMC].

DISTRIBUTION: **Afrotropical:** South Africa (KwaZulu-Natal, Western Cape).

squalidus

Anthrax squalida Philippi, 1865: 672. TYPE LOCALITY: Chile [T (lost?) in MNNC (see Note 22)].

Argyromoeba crinita Bigot, 1892: 349. TYPE LOCALITY: Chile [H in BMNH*].

DISTRIBUTION: **Neotropical:** Chile.

squamipes

Anthrax plumipes Hesse, 1956a: 390. TYPE LOCALITY: "Southern Rhodesia" [= Zimbabwe] [H in SAMC]. [Preoccupied by Philippi, 1873.]

Anthrax squamipes Bowden, 1980: 411 (new replacement name for *Anthrax plumipes* Hesse, 1956).

DISTRIBUTION: **Afrotropical**: Kenya, South Africa (Northern Province), Tanzania, Uganda, Zambia, Zimbabwe.

stellans

Argyromoeba stellans Loew, 1869c: 28 [1872c: 142]. TYPE LOCALITY: USA (Oregon) [H in MCZ*].

DISTRIBUTION: **Nearctic**: Canada (British Columbia, Ontario, Quebec), Mexico (Morelos), USA (California, Colorado, Georgia, Idaho, New Hampshire, Oregon, Utah, Washington, Wyoming).

stepensis

Anthrax stepensis Paramonov, 1935: 14, 16, 29, 31 (key only) [1936b: 112]. TYPE LOCALITY: "Transkaspien" [= Turkmenistan (see Paramonov, 1936b: 112) [2S in SIZK; the specimen from Nei Monggol in Paramonov (1936b: 112) is not a part of the original 1935 type series, though listed as such in Zaitzev (1989a: 123)].

DISTRIBUTION: **Palaeartic**: China (Nei Monggol), Tajikistan, Turkmenistan, Uzbekistan.

sticticalis

Anthrax sticticalis Hesse, 1956a: 420. TYPE LOCALITY: South Africa (Western Cape) [17S in SAMC; 2S in BMNH*].

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

sticticus

Anthrax stictica Klug, 1832: pl. 30, fig. 14. TYPE LOCALITY: "Arabia felici" [= Saudi Arabia (see Baker, 1997: 195)] [H in ZMHB*].

Argyromoeba polystigma Sack, 1909: 534. TYPE LOCALITY: Cyprus & Greece & Turkey [1S (destroyed) in HNHM (see Note 9); 3S in ZSMC].

Spongostylum quinque maculatum Bezzi, 1920: 105. TYPE LOCALITY: "Guinea Portoghese" [= Guinea-Bissau] [5S in MCSN].

Spongostylum quinque maculatum Bezzi, 1924a: 170. TYPE LOCALITY: Senegal [H in BMNH*]. [Preoccupied by Bezzi, 1920.]

DISTRIBUTION: **Afrotropical**: Chad, Eritrea, Guinea-Bissau, Nigeria, Senegal. **Palaeartic**: Afghanistan, Armenia, Azerbaijan, Cyprus, Egypt, Greece, Gruzia, Iran, Israel (incl. West Bank), Italy (incl. Sicily), Kyrgyz Republic, Macedonia, Oman, Syria, Tajikistan, Turkey, Turkmenistan, Uzbekistan, Yugoslavia.

striatipennis

Anthrax irroratus ssp. *striatipennis* Marston, 1970: 13. TYPE LOCALITY: USA (Georgia) [H in CUIC].

DISTRIBUTION: **Nearctic**: USA (Alabama, Florida, Georgia, South Carolina).

submacrocerus

Anthrax submacrocerus Paramonov, 1935: 8, 23 (key only) [1936b: 147]. TYPE LOCALITY: "Transkaspien" [= Turkmenistan (see Paramonov, 1936b: 147)] & Uzbekistan [1S in SIZK].

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

submaculus

Anthrax submacula Walker, 1849: 260. TYPE LOCALITY: Sierra Leone [T (lost) in BMNH (J.E. Chainey, pers. comm.)].

DISTRIBUTION: **Afrotropical**: Sierra Leone.

succedens

Anthrax succedens Walker, 1852: 192. TYPE LOCALITY: Not given [= unknown] [H in BMNH*].

DISTRIBUTION: **Patria Ignota**: Unknown.

tetraspilus

Anthrax tetraspilus Hesse, 1956a: 410. TYPE LOCALITY: South Africa (Northern Cape) [1S in NMSA*; 11S in SAMC; 1S in BMNH*].

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

theodori

Anthrax theodori Zaitzev, 1997: 904 [1998b: 648]. TYPE LOCALITY: Israel [H in ZIS].

DISTRIBUTION: **Palaeartic**: Israel.

torulus

Anthrax torulus Yeates & Lambkin, 1998: 1001. TYPE LOCALITY: Australia (Queensland) [H in QM].

DISTRIBUTION: **Australasian/Oceanian**: Australia (NT, Queensland, WA).

transcaspicus

Anthrax transcaspicus Paramonov, 1935: 10, 12, 25, 27 (key only) [1936b: 113].

TYPE LOCALITY: “Transkaspien” [= Turkmenistan (see Paramonov, 1936b: 113)] [2S in SIZK].

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

triatomus

Anthrax triatomus Hesse, 1956a: 418. TYPE LOCALITY: South Africa (Eastern Cape) [H in SAMC].

DISTRIBUTION: **Afrotropical**: South Africa (Eastern Cape, KwaZulu-Natal, Northern Cape).

trifasciatus

Anthrax trifasciata Meigen, 1804: 206. TYPE LOCALITY: France [T in UNKN].

Anthrax leucogaster Wiedemann in Meigen, 1820: 163. TYPE LOCALITY: “Oesterreich” [probably = Austria] [4S in NMW*].

Anthrax capitulata Mulsant, 1852a: 11 [1852b: 182]. TYPE LOCALITY: France [T in UNKN].

Argyramoeba heteropyga Sack, 1909: 531. TYPE LOCALITY: France (Corsica) [3S in ZSMC].

DISTRIBUTION: **Oriental**: Pakistan. **Palaeartic**: Afghanistan, Albania, Algeria, Austria, Belgium, Bosnia-Herzegovina, Bulgaria, Croatia, Czech Republic, Egypt, France (incl. Corsica), Greece (incl. Corfu, Ithaca, Rhodes, Santorini, Zakynthos), Hungary, Italy (incl. Sicily), Kyrgyz Republic, Macedonia, Malta, Morocco, Oman, Poland, Slovakia, Slovenia, Spain, Switzerland, Tajikistan, Tunisia, Turkey, Turkmenistan, United Arab Emirates, Uzbekistan, Yugoslavia.

triguttellus

Anthrax triguttellus Hesse, 1956a: 431. TYPE LOCALITY: South Africa (Western Cape) [4S in SAMC].

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

trimaculatus

Anthrax trimaculata Macquart, 1848: 194(34). TYPE LOCALITY: “Brésil” [= Brazil or Uruguay] [H in BMNH*].

Argyromoeba imitans Schiner, 1868b: 122. TYPE LOCALITY: “Südamerika” [= Venezuela (see Marston, 1970: 99)] [H in NMW].

DISTRIBUTION: **Neotropical**: Argentina, Brazil (Bahia, Ceará, Mato Grosso do Sul, Minas Gerais, Paraíba, Pernambuco, Rio Grande do Sul, São Paulo), Panama, Uruguay, Venezuela.

trisinuatus

Anthrax trisinuatus Hesse, 1956a: 449. TYPE LOCALITY: South Africa (Western Cape) [1S in NMSA*; 5S6 in SAMC; 6S in BMNH*].

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

trixus

Anthrax trixus Bowden, 1964a: 84. TYPE LOCALITY: “Ashanti” [= Ghana] [H in JB].

DISTRIBUTION: **Afrotropical**: Ghana.

turanicus

Anthrax turanicus Paramonov, 1935: 15, 30 (key only) [1936b: 151]. TYPE LOCALITY: “Transkaspien” [= Turkmenistan (see Paramonov, 1936b: 151)] [H in SIZK].

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

tureus

Anthrax tureus Greathead, 1980a: 241. TYPE LOCALITY: Oman [H in BMNH*].

DISTRIBUTION: **Palaeartic**: Oman, Saudi Arabia.

turkmenorum

Anthrax turkmenorum Paramonov, 1935: 14, 29 (key only) [1936b: 152]. TYPE LOCALITY: Turkmenistan [L designated by Zaitzev & Kandybina (1983: 39) in ZIS].

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

umbrosus

Anthrax umbrosus Greathead, 1970: 103. TYPE LOCALITY: Mauritania [H in BMNH*].

DISTRIBUTION: **Afrotropical**: Mauritania, Niger.

uralensis

Anthrax uralensis Paramonov, 1935: 9, 23 (key only) [1936b: 154]. TYPE LOCALITY: Russia (SET) [H in SIZK].

DISTRIBUTION: **Palaeartic**: Moldova, Russia (SET), Ukraine.

vallicola

Anthrax limatulus ssp. *vallicola* Marston, 1963: 28. TYPE LOCALITY: USA (California) [H in USNM*].

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

varicolor

Argyromoeba varicolor Bigot, 1892: 347. TYPE LOCALITY: “Amerique du Nord: Colombie” [= northwest USA] [H in BMNH*].

DISTRIBUTION: **Nearctic**: USA (Arizona, California, Idaho, Oregon, Washington).

varius

Anthrax varia Fabricius, 1794: 259. TYPE LOCALITY: “Gallia” [= France] [H (lost) in MNHN (originally in Bosc Collection)].

DISTRIBUTION: **Palaeartic**: Algeria, Armenia, Austria, Azerbaijan, Belarus, Belgium, Bosnia-Herzegovina, Bulgaria, Croatia, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Gruzia, Hungary, Iran, Italy (incl. Sicily), Latvia, Lithuania, Macedonia, Moldova, Morocco, Netherlands, Poland, Romania, Russia (CET, SET), Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey, Ukraine.

vierecki

Spogostylum vierecki Cresson, 1919: 180. TYPE LOCALITY: USA (New Mexico) [H in ANSP].

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

virgo

Anthrax virgo Egger, 1859: 396. TYPE LOCALITY: Italy (Sicily) [H in ZMHB*].

Argyromoeba velox Loew, 1862a: 82. TYPE LOCALITY: Italy (Sicily) [IS in UMO*].

Argyromoeba virgo var. *pedemontana* Griffini, 1896: 2. TYPE LOCALITY: Italy [T in UNKN (sold at auction)].

Spongostylum comatum Austen, 1937: 127. TYPE LOCALITY: Israel [H in BMNH*].

Anthrax virgo ssp. *hellenicus* François, 1966a: 174. TYPE LOCALITY: Greece [H in KBIN*].

DISTRIBUTION: **Palaeartic**: Albania, Algeria, Armenia, Austria, Azerbaijan, Bulgaria, Croatia, France, Greece (incl. Ithaca, Lesbos, Zakynthos), Gruzia, Hungary, Israel, Italy (incl. Sicily), Libya, Malta, Morocco, Saudi Arabia, Spain, Tunisia, Turkey.

vitreolus

Anthrax vitreolus François, 1972a: 14. TYPE LOCALITY: Senegal [H in KBIN*].

DISTRIBUTION: **Afrotropical**: Senegal.

wulpi

Anthrax trimaculatus Wulp, 1869: 110. TYPE LOCALITY: Indonesia (Timor) [H in RMNH]. [Preoccupied by Macquart, 1848.]

Anthrax wulpi Bowden, 1975b: 176 (new replacement name for *Anthrax trimaculatus* Wulp, 1869).

DISTRIBUTION: **Oriental**: Indonesia (Timor), Philippines.

xanthellus

Anthrax xanthellus Zaitzev, 1976c: 693. TYPE LOCALITY: Iraq [H in ZIS].

DISTRIBUTION: **Palaeartic**: Iraq.

xanthomeros

Anthrax xanthomeros Marston, 1966: 60. [Unavailable; name proposed in an unpublished thesis.]

Anthrax xanthomeros Marston, 1970: 52. TYPE LOCALITY: Belize [H in MCZ*].

DISTRIBUTION: **Neotropical**: Belize.

xerozous

Anthrax xerozous Hesse, 1956a: 402. TYPE LOCALITY: “South-West Africa” [= Namibia] [H in SAMC].

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

zohrayensis

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

zonabripagus

Argyromoeba zonabripaga Portschinsky, 1895: 14. TYPE LOCALITY: Russia (CET) [L designated by Zaitzev & Kandybina (1983: 41) in ZIS].

DISTRIBUTION: **Palaeartic**: Belarus, Estonia, Kazakhstan, Latvia, Lithuania, Moldova, Russia (CET, SET), Ukraine.

Genus **BRACHYANAX** Evenhuis

BRACHYANAX Evenhuis, 1981a: 190. Type species: *Brachyanax thelestrephones* Evenhuis, 1981 [= *Anthrax satellitia* Walker, 1856], by original designation

acroleucus

Argyromoeba acroleuca Bigot, 1892: 349. TYPE LOCALITY: "Chine?" [H in BMNH*].
DISTRIBUTION: **Oriental** or **Palaeartic**: ?China.

ater

Anthrax ater Roberts, 1928a: 140. TYPE LOCALITY: Australia (Queensland) [H (lost) in MAMU].

Brachyanax australensis Evenhuis, 1981a: 197. TYPE LOCALITY: Australia (Queensland) [H in BPBM*].

DISTRIBUTION: **Australasian/Oceanian**: Australia (Queensland). **Oriental**: Indonesia (Nusa Tenggara).

aterrimus

Anthrax aterrima Doleschall, 1859 [17 April]: 93. TYPE LOCALITY: Indonesia (Sulawesi) [L designated by Evenhuis (1988a: 68) in MVMA*].

Anthrax proferens Walker, 1859 [8 December]: 113. TYPE LOCALITY: Indonesia (Sulawesi) [L designated by Evenhuis (1988a: 68) in MVMA* (same specimen as for *Anthrax aterrima* Doleschall)].

Anthrax yamashiroensis Matsumura, 1916: 334. TYPE LOCALITY: Japan [H in EIHU*].

Anthrax philippinensis Evenhuis & Arakaki, 1980: 318. TYPE LOCALITY: Philippines [H in BPBM*].

Brachyanax oceanicus Evenhuis, 1981a: 197. TYPE LOCALITY: Solomon Is [H in BPBM*].

DISTRIBUTION: **Australasian/Oceanian**: Indonesia (Maluku), PNG (Bismarck Arch, PNG), Solomon Is. **Oriental**: Indonesia (Sulawesi), Philippines. **Palaeartic**: Japan.

bifuscatipennis

Anthrax bifuscatipennis Evenhuis & Arakaki, 1980: 317. TYPE LOCALITY: Philippines [H in BPBM*].

DISTRIBUTION: **Oriental**: Philippines.

chichijimensis

Brachyanax chichijimensis Evenhuis, 1981a: 195. TYPE LOCALITY: Bonin Is [H in BPBM*].

DISTRIBUTION: **Australasian/Oceanian**: Bonin Is.

costalis

Brachyanax costalis Evenhuis, 1981a: 194. TYPE LOCALITY: Laos [H in BPBM*].

DISTRIBUTION: **Oriental**: Laos.

gentilis

Argyramoeba gentilis Brunetti, 1909a: 449, 470. TYPE LOCALITY: India (West Bengal) [H in NZSI].

DISTRIBUTION: **Oriental:** India (Assam, West Bengal), Malaysia (Peninsular).

hemipenthes

Brachyanax hemipenthes Evenhuis, 1988a: 69. TYPE LOCALITY: Malaysia (Sabah) [H in BPBM*].

DISTRIBUTION: **Oriental:** Malaysia (Sabah).

leucostigma

Anthrax terminalis Wulp, 1869: 108. TYPE LOCALITY: Indonesia (Maluku) [H in RMNH]. [Preoccupied by Wiedemann, 1830.]

Anthrax leucostigma Wulp, 1898: 419 (new replacement name for *Anthrax terminalis* Wulp, 1869).

DISTRIBUTION: **Australasian/Oceanian:** Indonesia (Maluku), PNG (PNG).

magnipennis

Brachyanax magnipennis Evenhuis, 1981a: 195. TYPE LOCALITY: Solomon Is [H in BPBM*].

DISTRIBUTION: **Australasian/Oceanian:** Solomon Is.

papuanus

Brachyanax papuanus Evenhuis, 1981a: 198. TYPE LOCALITY: PNG (PNG) [H in BPBM*].

DISTRIBUTION: **Australasian/Oceanian:** PNG (PNG).

perniger

Brachyanax perniger Evenhuis & Yukawa, 1986: 453. TYPE LOCALITY: Indonesia (Krakatau I) [H in MBBJ*].

DISTRIBUTION: **Oriental:** Indonesia (Java, Krakatau I).

satellitius

Anthrax satellitia Walker, 1856b: 119. TYPE LOCALITY: Malaysia (Sarawak) [H in BMNH*].

Brachyanax thelestrephones Evenhuis, 1981a: 196. TYPE LOCALITY: Malaysia (Sabah) [H in BPBM*].

satellita, error for *satellitius*.

DISTRIBUTION: **Australasian/Oceanian:** Indonesia (Maluku). **Oriental:** Indonesia (Kalimantan), Malaysia (Peninsular, Sabah, Sarawak).

Genus **DICRANOCLISTA** Bezzi

COQUILLETIA Williston, 1896: 65. Type species: *Spogostylum vandykei* Coquillett, 1894, by prior monotypy (Coquillett, 1894a: 94). [See Evenhuis (1991b: 30–31) for explanation of type fixation.] [Preoccupied by Uhler, 1890.]

DICRANOCLISTA Bezzi, 1924a: 178. Type species: *Dicranoclista simpsoni* Bezzi, 1924, by original designation.

auliae

Dicranoclista auliae Greathead, 1993: 469. TYPE LOCALITY: Sudan [H in ZMAN*].

DISTRIBUTION: **Afrotropical:** Sudan.

fasciata

Dicranoclista fasciata Johnson & Johnson, 1959b: 70. TYPE LOCALITY: USA (Utah) [H in BYU*].

DISTRIBUTION: **Nearctic**: USA (Arizona, Idaho, Oregon, Utah, Washington).

simpsoni

Dicranoclista simpsoni Bezzi, 1924a: 180. TYPE LOCALITY: Gambia [H in BMNH*].

DISTRIBUTION: **Afrotropical**: Gambia, Senegal.

vandykei

Spogostylum vandykei Coquillett, 1894a: 94. TYPE LOCALITY: USA (California) [3S in USNM*].

DISTRIBUTION: **Nearctic**: USA (California, Texas, Wyoming).

Genus **SATYRAMOEBA** Sack

SATYRAMOEBA Sack, 1909: 517. Type species: *Anthrax hetrusca* Fabricius, 1794 (as “*etrusca*”), by original designation.

MEGANTHRAX Evenhuis, 1979b: 362. Type species: *Anthrax bipunctata* Fabricius, 1805, by original designation.

bipunctata

Anthrax bipunctata Fabricius, 1805: 118. TYPE LOCALITY: “Tranquebariae” [= India (Tamil Nadu)] [L designated by Evenhuis (1979b: 362) in ZMUC*].

Anthrax carbonaria Walker, 1852: 173. TYPE LOCALITY: “East India” [= India] [H in BMNH*].

DISTRIBUTION: **Oriental**: Bangladesh, India (Assam, Bihar, Maharashtra, Tamil Nadu, West Bengal), Pakistan.

hetrusca

Anthrax hetrusca Fabricius, 1794: 257. TYPE LOCALITY: “Italia” [1S in ZMUC].

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

Anthrax rubiginipennis Macquart, 1840: 57 [1841: 335]. TYPE LOCALITY: “De la Perse” [= Iran] & Egypt [1S in MNHN].

Anthrax formosa Dufour, 1852: 7. TYPE LOCALITY: Spain [T (lost) in MNHN].

Anthrax etrusca Bezzi in Becker, Bezzi, Bischof, Kertész & Stein, 1903: 171 (unjustified emendation of *Anthrax hetrusca* Fabricius, 1794).

DISTRIBUTION: **Palaeartic**: Afghanistan, Armenia, Austria, Azerbaijan, Bosnia-Herzegovina, Croatia, France, Greece, Gruzia, Iran, Israel, Italy, Japan, Macedonia, Romania, Russia (SET), Spain, Syria, Tajikistan, Turkey, Turkmenistan, Uzbekistan, Yugoslavia.

Genus **SPOGOSTYLUM** Macquart

SPOGOSTYLUM Macquart, 1840: 53 [1841: 331]. Type species: *Spogostylum mystaceum* Macquart, 1840 [= *Anthrax tripunctatus* Wiedemann, 1820], by monotypy.

SPONGOSTYLUM Agassiz, 1846b: 349 (unjustified emendation of *Spogostylum* Macquart, 1840). Type species: *Spogostylum mystaceum* Macquart, 1840 [= *Anthrax tripunctatus* Wiedemann, 1820], automatic.

ARGYROMOEBA Schiner, 1860a: 51. Type species: *Anthrax tripunctatus* Wiedemann, 1820, by designation of Coquillett (1910b: 510).

ARGYRAMOEBA Loew, 1869b: 228 [1872a: 114; 1872c: 290] (unjustified emendation of

Argyromoeba Schiner 1860). Type species: *Anthrax tripunctatus* Wiedemann, 1820, automatic.

ANTHRACAMOEBA Sack, 1909: 515. Type species: *Anthracoemoeba obscura* Sack, 1909, by original designation.

CHRYSAMOEBA Sack, 1909: 516. Type species: *Chrysamoeba vulpina* Sack, 1909, by original designation. [Preoccupied by Klebs, 1892.]

MOLYBDAMOEBEA Sack, 1909: 510, 519. Type species: *Anthrax tripunctatus* Wiedemann, 1820, by original designation.

PSAMATAMOEBA Sack, 1909: 536. Type species: *Anthrax isis* Meigen, 1820, by original designation.

CONIOMASTIX Enderlein, 1934: 140. Type species: *Coniomastix montana* Enderlein, 1934, by original designation.

AUREOMOEBEA Evenhuis, 1978d: 247 (new replacement name for *Chrysamoeba* Sack, 1909). Type species: *Chrysamoeba vulpina* Sack, 1909, automatic.

SPOGASTYLUM, incorrect original spelling of *Spogostylum* (Macquart, 1840: pl. 19, fig. 1 [1841: pl. 19, fig. 1]).

admirabile

Spogostylum admirabile Zaitzev, 1977a: 481. TYPE LOCALITY: Tajikistan [H in ZIS].
DISTRIBUTION: **Palaeartic**: Tajikistan.

aetheocoma

Argyramoeba aetheocoma Hesse, 1956a: 458. TYPE LOCALITY: South Africa (Western Cape) [2S in SAMC].
DISTRIBUTION: **Afrotropical**: South Africa (Western Cape).

afghanicola

Spogostylum afghanicola François, 1969e: 178. TYPE LOCALITY: Afghanistan [H in ZSMC].
DISTRIBUTION: **Palaeartic**: Afghanistan.

alashanicum

Spogostylum alashanicum Paramonov, 1957: 137. TYPE LOCALITY: China (Nei Monggol) [H in ZIS].
DISTRIBUTION: **Palaeartic**: China (Nei Monggol).

arenivagum

Spogostylum arenivagum Austen, 1937: 115. TYPE LOCALITY: Israel (Gaza Strip) [2S in BMNH*].
DISTRIBUTION: **Palaeartic**: Iraq, Israel (incl. Gaza Strip).

austeni

Spogostylum austeni Brunetti, 1920: 213. TYPE LOCALITY: Pakistan [H in BMNH*].
DISTRIBUTION: **Oriental**: Pakistan.

bisniphas

Argyramoeba bisniphas Bezzi, 1925: 223. TYPE LOCALITY: Egypt [L designated by El Hawagry et al. (2000: 107) in ESEC].
DISTRIBUTION: **Palaeartic**: Egypt.

bucharensis

Spogostylum bucharensis Paramonov, 1957: 132. TYPE LOCALITY: Tajikistan [H in ZIS].

Anthrax paramonovella Hull, 1973: 441 (unnecessary new replacement name for *Spongostylum buharensis* Paramonov, 1957).

DISTRIBUTION: **Palaeartic**: Tajikistan.

candidum

Psamatamoeba candida Sack, 1909: 538. TYPE LOCALITY: Iran [H in ZIS].

DISTRIBUTION: **Oriental**: Pakistan. **Palaeartic**: Egypt, Iran, Turkey, United Arab Emirates.

caucasicum

Spongostylum caucasicum Zaitzev, 1961: 415. TYPE LOCALITY: Armenia [H in ZIS].

DISTRIBUTION: **Palaeartic**: Armenia, Azerbaijan, Gruzia, Mongolia.

cinereum

Spongostylum cinereum Zaitzev, 1961: 418. TYPE LOCALITY: Gruzia [H in ZIS].

DISTRIBUTION: **Palaeartic**: Gruzia, Iran, Kyrgyz Republic, Tajikistan, Turkmenistan, Uzbekistan.

dagomba

Argyramoeba dagomba Bowden, 1964a: 93. TYPE LOCALITY: Ghana [H in JB].

DISTRIBUTION: **Afrotropical**: Chad, Ivory Coast, Eritrea, Ethiopia, Ghana, Kenya, Niger, Somalia, Sudan, Yemen. **Palaeartic**: Egypt, Saudi Arabia.

decipiens

Molybdamoeba decipiens Bezzi, 1912: 619. TYPE LOCALITY: "North Nyasa" [= Malawi] & "Nyasaland" [= Malawi] [7S in BMNH*].

DISTRIBUTION: **Afrotropical**: Malawi, Zambia, Zimbabwe.

deserticola

Spongostylum deserticola Zaitzev, 1976d: 118. TYPE LOCALITY: Turkmenistan [H in ZIS].

DISTRIBUTION: **Palaeartic**: Kazakhstan, Kyrgyz Republic, Tajikistan, Turkmenistan, Uzbekistan.

doctum

Spongostylum doctum Paramonov, 1957: 150. TYPE LOCALITY: Turkmenistan [H (lost) in SIZK].

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

dubium

Spongostylum dubium Zaitzev, 1961: 416. TYPE LOCALITY: Armenia [H in ZIS].

DISTRIBUTION: **Palaeartic**: Armenia, Kazakhstan, Mongolia.

duvaucelii

Anthrax duvaucelii Macquart, 1840: 63 [1841: 341] TYPE LOCALITY: "Bengale" [= India (Bihar or West Bengal)] [H in MNHN*].

DISTRIBUTION: **Oriental**: India (Bihar, Himachal Pradesh, Karnataka, Uttar Pradesh, West Bengal), Pakistan, Sri Lanka.

efflatouni

Spongostylum efflatouni Paramonov, 1957: 147. TYPE LOCALITY: Egypt [H (lost) in SIZK].

Spongostylum sergeiae Hull, 1973: 441 (unnecessary new replacement name for *Spongostylum efflatouni* Paramonov, 1957).

DISTRIBUTION: **Palaeartic**: Egypt.

falkovitshi

Spongostylum falkovitshi Zaitzev, 1976d: 117. TYPE LOCALITY: Uzbekistan [H in ZIS].

falkovifshi, incorrect original spelling of *falkovitshi* (Zaitzev, 1976d: 118).

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

flavescens

Spongostylum flavescens Sack, 1909: 512. TYPE LOCALITY: Iran [H in ZIS].

DISTRIBUTION: **Palaeartic**: Iran.

flavipenne

Spongostylum flavipennis Sack, 1909: 513. TYPE LOCALITY: Iran [H in ZIS].

DISTRIBUTION: **Palaeartic**: Iran.

fracidum

Argyramoeba fracida Bowden, 1964a: 88. TYPE LOCALITY: Ghana [H in JB].

Spongostylum fracidum var. *albicans* Bowden in Deeming, 1973: 65. *Nomen nudum*.

DISTRIBUTION: **Afrotropical**: Gambia, Ghana, Nigeria, Senegal.

fraterculum

Argyramoeba fratercula Bowden, 1964a: 95. TYPE LOCALITY: Ghana [H in JB].

DISTRIBUTION: **Afrotropical**: Ghana.

fulvastrum

Argyramoeba fulvastra Bowden, 1964a: 92. TYPE LOCALITY: Ghana [H in JB].

DISTRIBUTION: **Afrotropical**: Chad, Ghana, Mali.

fuscipenne

Spongostylum fuscipenne Zaitzev, 1976d: 126. TYPE LOCALITY: Turkmenistan [H in ZIS].

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

griseipenne

Exoprosopa griseipennis Macquart, 1850: 408(104). TYPE LOCALITY: Egypt [2S in UMO*].

DISTRIBUTION: **Afrotropical**: Mauritania, Niger. **Palaeartic**: Egypt, Iraq, Israel (incl. West Bank), Libya, Saudi Arabia, Tunisia, United Arab Emirates.

grunini

Spongostylum grunini Zaitzev, 1976d: 127. TYPE LOCALITY: Kazakhstan [H in ZIS].

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

hamadnallahi

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

DISTRIBUTION: **Palaeartic**: Egypt.

helenae

Spongostylum helenae Paramonov, 1957: 139. TYPE LOCALITY: Kazakhstan [H (lost) in SIZK].

DISTRIBUTION: **Palaeartic**: Kazakhstan, Mongolia.

hippolyta

Anthrax hippolyta Wiedemann, 1828: 287. TYPE LOCALITY: "Nubien" [= Egypt (from type specimen label data)] [3S in ZMHB*; 2S in NMW*].

Argyromoeba dedecor Hermann, 1907: 197. TYPE LOCALITY: Turkey [T in ZSMC].

Anthrax villosa Klug in Hull, 1973: 441. *Nomen nudum*.

DISTRIBUTION: **Afrotropical**: Eritrea, Gambia, Guinea, Mali, Mauritania, Senegal, Sudan. **Palaeartic**: Egypt, Iran, Israel, Libya, Tajikistan, Turkey, Turkmenistan.

immaculatum

Argyromoeba immaculata Bowden, 1964a: 94. TYPE LOCALITY: Ghana [H in JB].

DISTRIBUTION: **Afrotropical**: Ghana, Mali, Senegal.

incisurale

Anthrax incisuralis Macquart, 1840: 57 [1841: 335]. TYPE LOCALITY: "Du Cap" [= South Africa (Western Cape)] [T in UNKN (originally in Serville Collection)].

Anthrax biappendiculata Macquart, 1855: 95(75). TYPE LOCALITY: "Océanie, cap des Aiguilles" [error, = South Africa (Western Cape)] [2S in BMNH*].

Anthrax mixta Loew, 1860a: 89 [1860b: 284; 1860c: 212]. TYPE LOCALITY: "Swakop" [= Namibia] [1S in ZMHB*; 1S in NHRS].

Molybdamoeba incisuralis var. *inquirenda* Bezzi, 1912: 618. TYPE LOCALITY: "North Nyasa" [= Malawi] [2S in BMNH*].

Argyromoeba incisuralis f. *aridicola* Hesse, 1956a: 462. TYPE LOCALITY: South Africa (Northern Cape) [2S in SAMC].

Argyromoeba incisuralis f. *glaucescens* Hesse, 1956a: 462. TYPE LOCALITY: South Africa (Eastern Cape) [2S in NMSA*].

Argyromoeba incisuralis f. *fumosa* Hesse, 1956a: 463. TYPE LOCALITY: South Africa (Western Cape) [1S in NMSA*; S in SAMC].

DISTRIBUTION: **Afrotropical**: Botswana, Lesotho, Malawi, Mozambique, Namibia, South Africa (Eastern Cape, Free State, Northern Cape, Western Cape), Tanzania, Uganda, Zambia, Zimbabwe.

indigenum

Argyromoeba indigena Becker & Stein, 1912: 604. *Nomen nudum*.

Argyromoeba indigena Becker in Becker & Stein, 1913a: 571. TYPE LOCALITY: Iran [L designated by Zaitzev (1972d: 904) in ZIS].

DISTRIBUTION: **Palaeartic**: Iran.

inquinatum

Spongostylum inquinatum Zaitzev, 1976d: 129. TYPE LOCALITY: Uzbekistan [H in ZIS].

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

isis

Anthrax isis Meigen, 1820: 164. TYPE LOCALITY: "Oesterreich" [probably = Austria] [1S (destroyed) in NMW (see Note 18); 1S in UNKN].

Anthrax subnotata Walker, 1871a: 262. TYPE LOCALITY: Egypt [T (lost) in BMNH (see Waterhouse, 1906: 598)]. [Preoccupied by Wiedemann, 1820.]

DISTRIBUTION: **Afrotropical**: ?Mali. **Palaeartic**: Algeria, Armenia, Austria, Azerbaijan, Belgium, Croatia, Cyprus, Egypt, France, Greece, Gruzia, Israel, Italy, Kazakhstan, Kyrgyz Republic, Libya, Macedonia, Malta, Morocco, Portugal, Saudi Arabia, Spain, Syria, Tajikistan, Tunisia, Turkey, Turkmenistan, Uzbekistan, Yugoslavia.

karavaievi

Spongostylum karavaievi Paramonov, 1924a: 136. TYPE LOCALITY: Turkmenistan [H in SIZK].

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

kozlovi

Spongostylum kozlovi Paramonov, 1957: 130. TYPE LOCALITY: China (Nei Monggol) [L designated by Zaitzev & Kandybina (1983: 25) in ZIS].

DISTRIBUTION: **Palaeartic**: China (Nei Monggol), Mongolia.

lehri

Spongostylum lehri Zaitzev, 1976d: 120. TYPE LOCALITY: Kazakhstan [H in ZIS].

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

leucopogon

Molybdamoeba leucopogon Bezzi, 1912: 618. TYPE LOCALITY: “North Nyasa” [= Malawi] [H in BMNH*].

DISTRIBUTION: **Afrotropical**: Malawi.

longipenne

Anthrax longipennis Macquart, 1840: 58 [1841: 336]. TYPE LOCALITY: Iraq [H in MNHN*].

DISTRIBUTION: **Palaeartic**: Iraq.

massauense

Argyromoeba massauensis Jaenicke, 1867b: 336 [1868: 28]. TYPE LOCALITY: Eritrea [H in SMFD].

DISTRIBUTION: **Afrotropical**: Eritrea.

montanum

Coniomastix montana Enderlein, 1934: 141. TYPE LOCALITY: Tajikistan [H in ZMHB*].

DISTRIBUTION: **Palaeartic**: Tajikistan.

monticola

Spongostylum monticola Paramonov, 1957: 134. TYPE LOCALITY: Tajikistan [H in ZIS].

DISTRIBUTION: **Palaeartic**: Mongolia, Tajikistan.

niphas

Argyromoeba niphas Hermann, 1907: 194. TYPE LOCALITY: “Transcaspien” [T in ZSMC].

Spongostylum niphas var. *bilineata* Engel, 1936a: 448. TYPE LOCALITY: Israel [IS in SMNS].

DISTRIBUTION: **Afrotropical**: Eritrea, Mauritania, Somalia, Yemen. **Oriental**: Pakistan. **Palaeartic**: Egypt, Israel, Oman, Saudi Arabia, Tajikistan, Turkey, Turkmenistan.

niphoides

Spongostylum niphoides Greathead, 1980b: 321. TYPE LOCALITY: Saudi Arabia [H in BMNH*].

DISTRIBUTION: **Palaeartic**: Saudi Arabia.

nomas

Anthrax nomas Eversmann, 1855: 201. TYPE LOCALITY: Kazakhstan [L designated by Zaitzev & Kandybina (1983: 30) in ZIS].

Anthrax nomada Eversmann in Paramonov, 1927c: 169(169). *Nomen nudum*.

DISTRIBUTION: **Palaeartic:** Kazakhstan, Kyrgyz Republic, Tajikistan, Turkmenistan, Uzbekistan.

obscurum

Anthraxamoeba obscura Sack, 1909: 516. TYPE LOCALITY: Iran [L designated by Zaitzev & Kandybina (1983: 31) in ZIS].

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

obuchovae

Spongostylum obuchovae Paramonov, 1957: 133. TYPE LOCALITY: Kazakhstan [H (lost) in SIZK].

DISTRIBUTION: **Palaeartic:** Kazakhstan, Uzbekistan.

ochrum

Spongostylum ochrum Greathead, 1967: 248. TYPE LOCALITY: Eritrea [H in BMNH*].

DISTRIBUTION: **Afrotropical:** Eritrea, Sudan.

ocyale

Anthrax ocyale Wiedemann, 1828: 285. TYPE LOCALITY: “Nubien” [= Sudan] [L designated by Evenhuis & Greathead (1999: 650) in ZMHB*].

Anthrax umbra Walker, 1849: 245. TYPE LOCALITY: Not given [= unknown] [H in BMNH*].

Spongostylum arugotense Zaitzev, 1997: 909 [653]. TYPE LOCALITY: Israel [H in ZIS].

DISTRIBUTION: **Afrotropical:** Somalia, Sudan, Yemen. **Palaeartic:** Egypt, Iran, Israel (incl. West Bank), Jordan, Libya, Oman, Saudi Arabia, United Arab Emirates.

pamirensis

Spongostylum pamirensis Paramonov, 1957: 134. TYPE LOCALITY: Tajikistan [H in ZIS].

DISTRIBUTION: **Palaeartic:** Tajikistan.

parobscurum

Spongostylum parobscurum Paramonov, 1957: 146. TYPE LOCALITY: Turkmenistan & Uzbekistan [5S (lost) in SIZK].

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

perpusillum

Spongostylum perpusillum Austen, 1937: 125. TYPE LOCALITY: Israel (West Bank) [H in BMNH*].

DISTRIBUTION: **Palaeartic:** Israel (West Bank).

persicum

Anthrax persica Macquart, 1840: 58 [1841: 336]. TYPE LOCALITY: “De la Perse” [= Iran] [H in MNHN*].

percious, error for *persicum*.

DISTRIBUTION: **Palaeartic:** Iran.

princeps

Spongostylum princeps Bezzi, 1924a: 176. TYPE LOCALITY: “Kenya Colony” [= Kenya] [5S in BMNH*].

DISTRIBUTION: **Afrotropical:** Eritrea, Ethiopia, Kenya, Nigeria, Uganda.

punctipenne

Anthrax punctipennis Wiedemann, 1821a: 90 [1821b: 140]. TYPE LOCALITY: “Prom.

b. sp.” [= South Africa (Western Cape)] [1S in ZMUC; 1S in NMW*].

Anthrax punctulata Macquart, 1840: 56 [1841: 334]. TYPE LOCALITY: “Du Cap” [= South Africa (Western Cape)] [T in UNKN (originally in Serville Collection)]. [Pre-occupied by Macquart, 1835.]

Anthrax sexnotata Macquart, 1855: 96(76) [as “*sex notata*”, p. 96(76); as “*sex-notata*”, p. 149(129)]. TYPE LOCALITY: “Patrie inconnue” [= South Africa] [H in BMNH*].

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

punicisetosum

Argyramoeba punicisetosa Hesse, 1955: 398. TYPE LOCALITY: South Africa (Northern Province) [H in NMSA*].

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

pyncopelte

Argyramoeba pyncopeltis Hesse, 1956a: 456. TYPE LOCALITY: South Africa (Eastern Cape) [H in NMSA*].

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

robusculum

Spongostylum robusculum Zaitzev, 1977a: 483. TYPE LOCALITY: Tajikistan [H in ZIS].

DISTRIBUTION: **Palaeartic**: Tajikistan.

robustale

Argyramoeba robustalis Hesse, 1956a: 455. TYPE LOCALITY: South Africa (KwaZulu-Natal) [H in SAMC].

DISTRIBUTION: **Afrotropical**: South Africa (KwaZulu-Natal), Zimbabwe.

robustum

Spongostylum robustum Zaitzev, 1976d: 124. TYPE LOCALITY: Turkmenistan [H in ZIS].

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

rudolfae

Spongostylum rudolfae Zaitzev, 1976d: 130. TYPE LOCALITY: Tajikistan [H in ZIS].

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

rufulum

Spongostylum rufulum Zaitzev, 1961: 420. TYPE LOCALITY: Armenia [H in ZIS].

DISTRIBUTION: **Palaeartic**: Armenia.

saturatum

Spongostylum saturatum Bezzi, 1924a: 173. TYPE LOCALITY: Sierra Leone [H in BMNH*].

DISTRIBUTION: **Afrotropical**: Sierra Leone.

sordidum

Spongostylum sordidum Sack, 1909: 514. TYPE LOCALITY: Iran [H in ZIS].

Spongostylum antiopa Bezzi, 1925: 221. TYPE LOCALITY: Egypt [H in ESEC].

DISTRIBUTION: **Palaeartic**: Afghanistan, Egypt, Iran, Oman, Saudi Arabia, Tajikistan, Turkmenistan, Uzbekistan.

stackelbergi

Spongostylum stackelbergi Paramonov, 1957: 148. TYPE LOCALITY: Azerbaijan [H (lost) in SIZK].

DISTRIBUTION: **Palaeartic**: Armenia, Azerbaijan, Gruzia.

subanthrax

Spongostylum subanthrax Bezzi, 1924a: 169. TYPE LOCALITY: Sierra Leone [H in BMNH*].

DISTRIBUTION: **Afrotropical**: Ivory Coast, Nigeria, Senegal, Sierra Leone.

tenebrosum

Spongostylum tenebrosum Paramonov, 1957: 138. TYPE LOCALITY: Kazakhstan [H (lost) in SIZK].

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

trinotatum

Anthrax trinotata Dufour, 1852: 9. TYPE LOCALITY: Spain [T (lost) in MNHN].

Argyromoeba trimaculata Becker, 1908: 18. TYPE LOCALITY: Canary Is [S in ZMUC; 2S in ZMHB*].

Argyromoeba palmensis Santos Abreu, 1926: 72(32). [Unavailable; name proposed in synonymy with *Argyromoeba trimaculata* Becker and not made available before 1961.]

Argyromoeba trimaculata var. *areolata* Santos Abreu, 1926: 72(32). TYPE LOCALITY: Canary Is [S in MABC].

Argyromoeba trimaculata var. *ultraareolata* Santos Abreu, 1926: 72(32). TYPE LOCALITY: Canary Is [S in MABC].

DISTRIBUTION: **Palaeartic**: Canary Is, Egypt, France, Italy, Spain, Tunisia, Yugoslavia.

tripunctatum

Anthrax tripunctata Pallas in Wiedemann, 1818a: 13. *Nomen nudum*.

Anthrax tripunctata Wiedemann in Meigen, 1820: 166. TYPE LOCALITY: "Auf der tau-rischen Halbinsel" [= Russia (SET)] [1S in NMW*].

Anthrax difficilis Wiedemann in Meigen, 1820: 167. TYPE LOCALITY: "Dalmatien" [= Croatia] [3S in ZMHB*].

Spongostylum mystaceum Macquart, 1840: 53 [1841: 331]. TYPE LOCALITY: Egypt [H in MNHN*; N designated by Hall (1976a: 169) in MEUC invalid (see Appendix 1 for further details).

DISTRIBUTION: **Palaeartic**: Afghanistan, Albania, Algeria, Armenia, Austria, Azerbaijan, Bosnia-Herzegovina, Bulgaria, Croatia, Egypt, France, Greece (incl. Ithaca), Gruzia, Israel, Italy, Kyrgyz Republic, Libya, Macedonia, Malta, Moldova, Morocco, Russia (SET), Spain, Switzerland, Syria, Tajikistan, Turkey, Turkmenistan, Ukraine, Uzbekistan.

tsharykulievi

Spongostylum tsharykulievi Zaitzev, 1971: 895. TYPE LOCALITY: Turkmenistan [H in ZIS].

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

turcmenicum

Spongostylum turcmenicum Paramonov, 1927a: 103(85). TYPE LOCALITY: Turkmenistan [2S in ZMUM; 2S in SIZK].

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

turkmenicola

Spongostylum turkmenicola Paramonov, 1957: 149. TYPE LOCALITY: Iran & Tajikistan & Turkmenistan [1S in ZIS; 14S (lost) in SIZK].

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

uralense

Spongostylum uralense Zaitzev, 1976d: 121. TYPE LOCALITY: Kazakhstan [H in ZIS].

DISTRIBUTION: **Palaeartic**: Kazakhstan.

variabile

Spongostylum variabile Zaitzev, 1976d: 122. TYPE LOCALITY: Kazakhstan [H in ZIS].

DISTRIBUTION: **Palaeartic**: Kazakhstan, Kyrgyz Republic, Tajikistan, Turkmenistan, Uzbekistan.

ventrale

Spongostylum ventrale Bezzi, 1924a: 174. TYPE LOCALITY: “Kenya Colony” [= Kenya] & “South Abyssinia” [= Ethiopia] [7S in BMNH*].

DISTRIBUTION: **Afrotropical**: Eritrea, Ethiopia, Kenya, Yemen (Abd-el-Kuri). **Palaeartic**: Egypt, Oman.

volitans

Anthrax volitans Wiedemann, 1828: 566. TYPE LOCALITY: Egypt & “Nubien” [= Egypt or Sudan] [1S in NMW*; 3S in SMFD; 1S in ZMHB*].

DISTRIBUTION: **Afrotropical**: Sudan. **Palaeartic**: Egypt.

vulpinum

Chrysamoeba vulpina Sack, 1909: 517. TYPE LOCALITY: Iran [H in ZIS].

Argyromoeba brunnicosa Becker & Stein, 1912: 604. *Nomen nudum*.

Argyromoeba brunnicosa Becker in Becker & Stein, 1913a: 570. TYPE LOCALITY: Iran [L designated by Zaitzev (1972d: 902) in ZIS].

DISTRIBUTION: **Palaeartic**: Iran.

zaitzevi

Spongostylum punctipennis Zaitzev, 1961: 420. TYPE LOCALITY: Armenia [H in ZIS]. [Preoccupied by Wiedemann, 1821.]

Spongostylum zaitzevi Evenhuis & Greathead, 1999: 330 (new replacement name for *Spongostylum punctipennis* Zaitzev, 1961).

DISTRIBUTION: **Palaeartic**: Armenia, Azerbaijan, Gruzia, Israel.

Genus **THRAXAN** Yeates & Lambkin

THRAXAN Yeates & Lambkin, 1998: 1027. Type species: *Thraxan simulatus* Yeates & Lambkin, 1998, by original designation.

abditus

Thraxan abditus Yeates & Lambkin, 1998: 1030. TYPE LOCALITY: Australia (Queensland) [H in QM].

DISTRIBUTION: **Australasian/Oceanian**: Australia (NSW, Queensland).

acutus

Thraxan acutus Yeates & Lambkin, 1998: 1031. TYPE LOCALITY: Australia (Queensland) [H in ANIC].

DISTRIBUTION: **Australasian/Oceanian**: Australia (NSW, Queensland).

caligneus

Thraxan caligneus Yeates & Lambkin, 1998: 1034. TYPE LOCALITY: Australia (Queensland) [H in QM].

DISTRIBUTION: **Australasian/Oceanian:** Australia (Queensland).

cinctus

Thraxan cinctus Yeates & Lambkin, 1998: 1037. TYPE LOCALITY: Australia (Queensland) [H in QM].

DISTRIBUTION: **Australasian/Oceanian:** Australia (NSW, NT, Queensland, WA).

cornuatus

Thraxan cornuatus Yeates & Lambkin, 1998: 1039. TYPE LOCALITY: Australia (WA) [H in WADA].

DISTRIBUTION: **Australasian/Oceanian:** Australia (NT, Queensland, WA).

depressus

Thraxan depressus Yeates & Lambkin, 1998: 1041. TYPE LOCALITY: Australia (NSW) [H in AMS].

DISTRIBUTION: **Australasian/Oceanian:** Australia (NSW, NT, Queensland).

ebeneus

Thraxan ebeneus Yeates & Lambkin, 1998: 1042. TYPE LOCALITY: Australia (ACT) [H in ANIC].

DISTRIBUTION: **Australasian/Oceanian:** Australia (ACT, Queensland).

echinatus

Thraxan echinatus Yeates & Lambkin, 1998: 1044. TYPE LOCALITY: Australia (Queensland) [H in QM].

DISTRIBUTION: **Australasian/Oceanian:** Australia (NT, Queensland, WA).

emicatus

Thraxan emicatus Yeates & Lambkin, 1998: 1045. TYPE LOCALITY: Australia (NT) [H in ANIC].

DISTRIBUTION: **Australasian/Oceanian:** Australia (NT, WA).

hamulus

Thraxan hamulus Yeates & Lambkin, 1998: 1046. TYPE LOCALITY: Australia (Queensland) [H in AMS].

DISTRIBUTION: **Australasian/Oceanian:** Australia (Queensland).

luteus

Thraxan luteus Yeates & Lambkin, 1998: 1047. TYPE LOCALITY: Australia (NT) [H in MVMA].

DISTRIBUTION: **Australasian/Oceanian:** Australia (NT, Queensland, WA).

misatulus

Thraxan misatulus Yeates & Lambkin, 1998: 1049. TYPE LOCALITY: Australia (WA) [H in QM].

DISTRIBUTION: **Australasian/Oceanian:** Australia (NSW, NT, Queensland, Victoria, WA).

nodus

Thraxan nodus Yeates & Lambkin, 1998: 1051. TYPE LOCALITY: Australia (Queensland) [H in AMS].

DISTRIBUTION: **Australasian/Oceanian:** Australia (Queensland).

norrisi

Thraxan norrisi Yeates & Lambkin, 1998: 1052. TYPE LOCALITY: Australia (WA) [H in WADA].

DISTRIBUTION: **Australasian/Oceanian**: Australia (WA).

obstipus

Thraxan obstipus Yeates & Lambkin, 1998: 1054. TYPE LOCALITY: Australia (NT) [H in AMS].

DISTRIBUTION: **Australasian/Oceanian**: Australia (NSW, NT, Queensland).

patielus

Thraxan patielus Yeates & Lambkin, 1998: 1055. TYPE LOCALITY: Australia (NSW) [H in AMS].

DISTRIBUTION: **Australasian/Oceanian**: Australia (ACT, NSW, Queensland).

planus

Thraxan planus Yeates & Lambkin, 1998: 1056. TYPE LOCALITY: Australia (Queensland) [H in QM].

DISTRIBUTION: **Australasian/Oceanian**: Australia (NT, Queensland, WA).

prolatus

Thraxan prolatus Yeates & Lambkin, 1998: 1057. TYPE LOCALITY: Australia (Queensland) [H in QM].

DISTRIBUTION: **Australasian/Oceanian**: Australia (NSW, Queensland).

simulatus

Thraxan simulatus Yeates & Lambkin, 1998: 1028. TYPE LOCALITY: Australia (Queensland) [H in QM].

DISTRIBUTION: **Australasian/Oceanian**: Australia (Queensland).

spiculus

Thraxan spiculus Yeates & Lambkin, 1998: 1059. TYPE LOCALITY: Australia (Queensland) [H in AMS].

DISTRIBUTION: **Australasian/Oceanian**: Australia (Queensland).

Genus TURKMENIELLA Paramonov

TURKMENIELLA Paramonov, 1940a: 43, 44. Type species: *Turkmeniella magnifica* Paramonov, 1939, by monotypy.

TURKMENIALLA, incorrect original spelling of *Turkmeniella* (Paramonov, 1940a: 43).

TURKMENIELA, incorrect original spelling of *Turkmeniella* (Paramonov, 1940a: 46, 47).

croisi

Argyramoeba croisi Villeneuve, 1910: 301. TYPE LOCALITY: Algeria [3S in KBIN*].

DISTRIBUTION: **Palaeartic**: Algeria, Morocco.

magnifica

Turkmeniella magnifica Paramonov, 1940a: 44, 47. TYPE LOCALITY: Turkmenistan [H in SIZK].

DISTRIBUTION: **Palaeartic**: Turkmenistan.

Genus **WALKEROMYIA** Paramonov

WALKEROMYIA Paramonov, 1934a: 22. Type species: *Anthrax lurida* Walker, 1857, by original designation.

lurida

Anthrax lurida Walker, 1857: 139. TYPE LOCALITY: "Valley of the Amazon" [= Brazil (Amazonas or Pará)] [1S in BMNH*; 1S in MVMA].

DISTRIBUTION: **Neotropical**: Brazil (Amazonas, Pará, Rio Grande do Sul, Roraima), Paraguay, Trinidad & Tobago.

plumipes

Anthrax plumipes Philippi, 1873: 307. TYPE LOCALITY: Argentina [T (lost?) in MNNC (see Note 22)].

DISTRIBUTION: **Neotropical**: Argentina.

Genus **XENOX** Evenhuis

STYMPHALINA Hull, 1973: 445. Type species: *Nemotelus tigrinus* De Geer, 1776 (as "*Anthrax tigrinus*"), by monotypy. *Nomen nudum*.

XENOX Evenhuis, 1985a: 166. Type species: *Nemotelus tigrinus* De Geer, 1776, by original designation.

delila

Argyromoeba delila Loew, 1869c: 38 [1872c: 142]. TYPE LOCALITY: USA (California) [H in MCZ*].

DISTRIBUTION: **Nearctic**: Mexico (Baja California Norte), USA (California).

habrosus

Anthrax simson ssp. *habrosus* Marston, 1970: 120. TYPE LOCALITY: USA (Arizona) [H in CAS].

DISTRIBUTION: **Nearctic**: Mexico (Baja California Norte, Baja California Sur, Durango, Guerrero, Michoacán de Ocampo, Morelos, Nayarit, Sinaloa, Sonora), USA (Arizona, California). **Neotropical**: Mexico (Chiapas, Oaxaca).

nigritus

Nemotelus quintus Schaeffer, 1768: pl. 53, fig. 3. [Unavailable; name proposed in a non-binominal work.]

Bibio nigrita Fabricius, 1775: 757. TYPE LOCALITY: "America" [= Suriname (from type specimen label data)] [2S in HMUG*; the specimen in BMNH noted by Painter & Painter (1962: 142) was found during this study to not be *Bibio nigrita*].

Oestrus noveboracensis Houttuyn in Lichtenstein, 1796: 215. [Unavailable; name proposed in synonymy with *Bibio nigrita* Fabricius and not made available before 1961.]

Anthrax simson Fabricius, 1805: 119. TYPE LOCALITY: "America meridionali" [5S in ZMUC].

DISTRIBUTION: **Nearctic**: Mexico (Baja California Sur, Guerrero, San Luis Potosí, Tamaulipas, Veracruz-Llave). **Neotropical**: Bahamas, Costa Rica, Cuba, Guatemala, Nicaragua, Panama, Suriname, Venezuela.

tigrinus

Nemotelus tigrinus De Geer, 1776: 206. TYPE LOCALITY: “Pensylvanie” [probably = USA (Pennsylvania)] [2S in NHRS].

Anthrax scripta Say, 1823: 43. TYPE LOCALITY: USA (Pennsylvania) [T (destroyed) in ANSP (see Note 25)].

DISTRIBUTION: **Nearctic**: Canada (Ontario), USA (Alabama, Arkansas, Connecticut, Delaware, District of Columbia, Florida, Georgia, Illinois, Kentucky, Louisiana, Maryland, Massachusetts, Michigan, Mississippi, Missouri, New Hampshire, New Jersey, New York, North Carolina, Ohio, Pennsylvania, Rhode Island, South Carolina, Tennessee, Texas, Virginia, West Virginia).

xylocopae

Anthrax xylocopae Marston, 1970: 117. TYPE LOCALITY: USA (New Mexico) [H in CAS].

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

TRIBE APHOEBANTINI BECKER

Genus APHOEBANTUS Loew

APHOEBANTUS Loew, 1872a: 77 [1872c: 253]. Type species: *Aphoebantus cervinus* Loew, 1872, by monotypy.

TRIODITES Osten Sacken, 1877: 245. Type species: *Triodites mus* Osten Sacken, 1877, by monotypy. [Preoccupied by Gistel, 1848.]

TRIODINA Hull, 1973: 322 (as subgenus of *Aphoebantus* Loew; new replacement name for *Triodites* Osten Sacken, 1877). Type species: *Triodites mus* Osten Sacken, 1877, automatic.

MEGANEDYS Hull, 1973: 322 (as subgenus of *Aphoebantus* Loew). Type species: *Aphoebantus petiolata* Hull, 1973, by original designation.

abnormis

Aphoebantus abnormis Coquillett, 1891a: 14(262). TYPE LOCALITY: USA (California) [5S in USNM*].

inermis, error for *abnormis*.

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

albicinctus

Aphoebantus albicinctus Paramonov, 1925f: 28. TYPE LOCALITY: Kazakhstan [H (lost) in SIZK].

DISTRIBUTION: **Palaeartic**: Kazakhstan, Kyrgyz Republic, Tajikistan, Turkmenistan, Uzbekistan.

albopilosus

Aphoebantus albopilosus Tabet & Hall, 1987: 83. TYPE LOCALITY: USA (California) [H in CAS*].

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

altercinctus

Aphoebantus altercinctus Melander, 1950a: 21. TYPE LOCALITY: USA (Arizona) [H in

USNM*].

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

arenicola

Aphoebantus arenicola Melander, 1950a: 22. TYPE LOCALITY: USA (Texas) [H in USNM*].

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

argentifrons

Aphoebantus argentifrons Cole, 1923: 310. TYPE LOCALITY: Mexico (Baja California Sur) [H in CAS].

DISTRIBUTION: **Nearctic:** Mexico (Baja California Sur), USA (Nevada).

armeniacus

Aphoebantus armeniacus Paramonov, 1925f: 26. TYPE LOCALITY: Armenia [2S in SIZK].

DISTRIBUTION: **Palearctic:** Armenia.

balteatus

Aphoebantus balteatus Melander, 1950a: 23. TYPE LOCALITY: USA (Arizona) [H in USNM*].

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

barbatus

Aphoebantus mus var. *barbatus* Melander, 1950a: 36. TYPE LOCALITY: USA (Arizona) [H in USNM*].

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

bilineatus

Aphoebantus bilineatus Tabet & Hall, 1987: 85. TYPE LOCALITY: USA (California) [H in CAS*].

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

bisulcus

Aphoebantus bisulcus Osten Sacken, 1887a: 148. TYPE LOCALITY: Mexico (Sonora) [H in BMNH*].

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

borealis

Aphoebantus borealis Cole in Cole & Lovett, 1921: 251. TYPE LOCALITY: USA (Oregon) [H in CAS].

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

brevistylus

Aphoebantus brevistylus Coquillett, 1891a: 16(264). TYPE LOCALITY: USA (California) [L designated by Evenhuis & Greathead (1999: 654) in USNM*].

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

capax

Aphoebantus capax Coquillett, 1891a: 13(261). TYPE LOCALITY: USA (California) [L designated by Evenhuis & Greathead (1999: 654) in USNM*].

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

carbonarius

Aphoebantus carbonarius Osten Sacken, 1887a: 149. TYPE LOCALITY: Mexico (Sonora) [L designated by Painter & Painter (1962: 64) in BMNH*].

DISTRIBUTION: **Nearctic:** Mexico (Baja California Norte, Sonora), USA (Arizona, California, Kansas, Washington).

catenarius

Aphoebantus catenarius Melander, 1950a: 24. TYPE LOCALITY: USA (Arizona) [H in USNM*].

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

catulus

Aphoebantus catulus Coquillett, 1894a: 107. TYPE LOCALITY: USA (California) [L designated by Evenhuis & Greathead (1999: 654) in USNM*].

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

cervinus

Aphoebantus cervinus Loew, 1872a: 76 [1872c: 252]. TYPE LOCALITY: USA (Texas) [H in MCZ*].

DISTRIBUTION: **Nearctic:** Mexico (Baja California Norte, Sonora), USA (Kansas, Oklahoma, Texas).

chilensis

Aphoebantus chilensis Hall, 1976a: 129. TYPE LOCALITY: Chile [H in MEUC*].

DISTRIBUTION: **Neotropical:** Chile.

claripennis

Mulio claripennis Becker, 1903c: 197. TYPE LOCALITY: Turkmenistan [H in ZSMC].

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

concinus

Epacmus concinns Coquillett, 1892a: 10. TYPE LOCALITY: USA (California) [H in USNM*].

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

contiguus

Aphoebantus contiguus Melander, 1950a: 25. TYPE LOCALITY: USA (Utah) [L designated by Evenhuis & Greathead (1999: 654) in USNM*].

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

conurus

Aphoebantus conurus Osten Sacken, 1887a: 146. TYPE LOCALITY: USA (California) [L designated by Painter & Painter (1962: 64–65) in BMNH* (valid by virtue of I.C.Z.N. Code Art. 74a)].

DISTRIBUTION: **Nearctic:** Mexico (Guerrero, Morelos), USA (Arizona, California, Oregon).

costalis

Aphoebantus costalis Paramonov, 1929a: 113(51). TYPE LOCALITY: Turkmenistan [4S (lost) in SIZK].

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

cyclops

Aphoebantus cyclops Osten Sacken, 1887a: 146. TYPE LOCALITY: Mexico (Sonora) [L designated by Painter & Painter (1962: 65) in BMNH*].

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

dentei

Aphoebantus dentei d'Andretta & Carrera, 1952: 296. TYPE LOCALITY: Brazil (Acre)

[H in MZSP].

DISTRIBUTION: **Neotropical:** Brazil (Acre).

denudatus

Aphoebantus denudatus Melander, 1950a: 27. TYPE LOCALITY: USA (California) [H in USNM*].

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

desertus

Aphoebantus desertus Coquillett, 1891a: 13(261). TYPE LOCALITY: USA (California) [L designated by Evenhuis & Greathead (1999: 654) in USNM*].

DISTRIBUTION: **Nearctic:** Mexico (Baja California Norte, Sonora), USA (Arizona, California, Nevada).

eremicola

Aphoebantus eremicola Melander, 1950a: 28. TYPE LOCALITY: USA (California) [H in USNM*].

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

fumidus

Aphoebantus fumidus Coquillett, 1891a: 15(263). TYPE LOCALITY: USA (California) [L designated by Evenhuis & Greathead (1999: 655) in USNM*].

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

fumosus

Epacmus fumosus Coquillett, 1892a: 11. TYPE LOCALITY: USA (California) [H in USNM*].

Aphoebantus fucatus Coquillett, 1894a: 108. TYPE LOCALITY: USA (California) [L designated by Evenhuis & Greathead (1999: 655) in USNM*].

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

gluteatus

Aphoebantus gluteatus Melander, 1950a: 29. TYPE LOCALITY: USA (Arizona) [H in USNM*].

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

halteratus

Aphoebantus halteratus Melander, 1950a: 30. TYPE LOCALITY: USA (California) [H in USNM*].

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

hians

Aphoebantus hians Melander, 1950a: 30. TYPE LOCALITY: USA (Arizona) [H in USNM*].

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

hirsutus

Aphoebantus hirsutus Coquillett, 1886b: 85. TYPE LOCALITY: USA (California) [L designated by Evenhuis & Greathead (1999: 655) in USNM*].

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

idahoensis

Aphoebantus idahoensis Tabet, 1979: 232. [Unavailable; name proposed in an unpublished thesis.]

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

interruptus

Aphoebantus interruptus Coquillett, 1891a: 11(259). TYPE LOCALITY: USA (California) [L designated by Evenhuis & Greathead (1999: 655) in USNM*].
DISTRIBUTION: **Nearctic**: USA (California, Nevada, Oregon, Texas).

inversus

Aphoebantus inversus Melander, 1950a: 32. TYPE LOCALITY: USA (Utah) [H in USNM*].
DISTRIBUTION: **Nearctic**: USA (Utah).

latifrons

Aphoebantus latifrons Paramonov, 1929a: 118(56). TYPE LOCALITY: Turkmenistan [1S (lost) in SIZK; 1S (destroyed) in ZMUH (see Note 6)].
DISTRIBUTION: **Palaeartic**: Tajikistan, Turkmenistan, Uzbekistan.

leucospilus

Aphoebantus leucospilus Tabet & Hall, 1987: 89. TYPE LOCALITY: USA (California) [H in CAS*].
DISTRIBUTION: **Nearctic**: USA (California).

leviculus

Aphoebantus leviculus Coquillett, 1894a: 107. TYPE LOCALITY: USA (California) [L designated by Evenhuis & Greathead (1999: 655) in USNM*].
DISTRIBUTION: **Nearctic**: USA (California, Colorado, New Mexico, Texas, Wyoming).

maculatus

Aphoebantus maculatus Melander, 1950a: 33. TYPE LOCALITY: USA (Arizona) [H in USNM*].
DISTRIBUTION: **Nearctic**: USA (Arizona).

marcidus

Aphoebantus marcidus Coquillett, 1891a: 10(258). TYPE LOCALITY: USA (California) [L designated by Evenhuis & Greathead (1999: 656) in USNM*].
DISTRIBUTION: **Nearctic**: USA (California, Nevada).

marginatus

Aphoebantus marginatus Cole, 1923: 310. TYPE LOCALITY: Mexico (Tiburon I) [H in CAS].
DISTRIBUTION: **Nearctic**: Mexico (Tiburon I), USA (Arizona, California, Nevada, Texas).

melanogaster

Anthrax melanogaster Bigot, 1892: 358. TYPE LOCALITY: Chile [H in BMNH*].
DISTRIBUTION: **Neotropical**: Chile.

melanomerinx

Aphoebantus melanomerinx Tabet & Hall, 1987: 92. TYPE LOCALITY: USA (California) [H in CAS*].
DISTRIBUTION: **Nearctic**: USA (California).

micropygus

Aphoebantus micropygus Melander, 1950a: 34. TYPE LOCALITY: USA (Arizona) [H in

USNM*].

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

mixtus

Aphoebantus mixtus Coquillett, 1891a: 11(250). TYPE LOCALITY: USA (California) [H in USNM*].

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

mormon

Aphoebantus mormon Melander, 1950a: 35. TYPE LOCALITY: USA (Utah) [H in USNM*].

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

mus

Triodites mus Osten Sacken, 1877: 246. TYPE LOCALITY: USA (Utah) [L designated by Evenhuis (1982b: 13) in MCZ*].

DISTRIBUTION: **Nearctic:** Mexico (Baja California Norte, Sonora), USA (California, Nevada, Utah).

nigropilosus

Aphoebantus nigropilosus Tabet & Hall, 1987: 95. TYPE LOCALITY: USA (California) [H in CAS*].

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

obtectus

Aphoebantus obtectus Melander, 1950a: 36. TYPE LOCALITY: Mexico (Baja California Norte) [H in USNM*].

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

oxypetes

Aphoebantus oxypetes Tabet & Hall, 1987: 98. TYPE LOCALITY: USA (California) [H in CAS*].

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

paraborealis

Aphoebantus paraborealis Tabet, 1979: 238. [Unavailable; name proposed in an unpublished thesis.]

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

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

parkeri

Aphoebantus parkeri Melander, 1950a: 37. TYPE LOCALITY: USA (Arizona) [H in USNM*].

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

pavidus

Aphoebantus cervinus var. *pavidus* Coquillett, 1886b: 87. TYPE LOCALITY: USA (California) [L designated by Evenhuis & Greathead (1999: 656) in USNM*].

DISTRIBUTION: **Nearctic:** Mexico (Baja California Norte, Sonora), USA (California, Nevada).

pellucidus

Epacmus pellucidus Coquillett, 1892a: 10. TYPE LOCALITY: USA (California) [H in

USNM*].

DISTRIBUTION: **Nearctic:** Mexico (Baja California Norte, Baja California Sur), USA (California).

peodes

Aphoebantus peodes Osten Sacken, 1887a: 149. TYPE LOCALITY: Mexico (Sonora) [L designated by Painter & Painter (1962: 67) in BMNH*].

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

persicus

Aphoebantus persicus Becker & Stein, 1912: 604. *Nomen nudum*.

Aphoebantus persicus Becker in Becker & Stein, 1913a: 575. TYPE LOCALITY: Iran [L designated by Zaitzev (1972d: 902) in ZIS].

DISTRIBUTION: **Palaearctic:** Afghanistan, Iran.

petiolata

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

DISTRIBUTION: **Nearctic:** “Southwestern United States”.

pusillus

Aphoebantus pusillus Paramonov, 1929a: 119(57). TYPE LOCALITY: Turkmenistan [H (lost) in SIZK].

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

rattus

Aphoebantus rattus Osten Sacken, 1887a: 147. TYPE LOCALITY: USA (Texas) [2S in BMNH*].

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

scalaris

Aphoebantus scalaris Melander, 1950a: 39. TYPE LOCALITY: USA (California) [H in USNM*].

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

schlingeri

Aphoebantus schlingeri Hall, 1957: 147. TYPE LOCALITY: USA (California) [H in CAS].

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

scriptus

Aphoebantus scriptus Coquillett, 1891a: 12(260). TYPE LOCALITY: Not given [= USA (California) (from type specimen label data)] [L designated by Evenhuis & Greathead (1999: 656) in USNM*].

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

separatus

Aphoebantus contiguus var. *separatus* Melander, 1950a: 25. TYPE LOCALITY: USA (Arizona) [H in USNM*].

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

sperryorum

Aphoebantus sperryorum Melander, 1950a: 40. TYPE LOCALITY: USA (California) [H in USNM*].

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

squamosus

Aphoebantus squamosus Coquillett, 1891a: 15(263). TYPE LOCALITY: USA (California) [2S in USNM*].

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

subcostalis

Aphoebantus costalis var. *subcostalis* Paramonov, 1929a: 114(52). TYPE LOCALITY: Turkmenistan [2S (lost) in SIZK].

DISTRIBUTION: **Palaeartic:** Turkmenistan.

tarapacensis

Aphoebantus tarapacensis Hall, 1976a: 131. TYPE LOCALITY: Chile [H in MEUC*].

DISTRIBUTION: **Neotropical:** Chile.

tardus

Aphoebantus tardus Coquillett, 1891a: 10(258). TYPE LOCALITY: USA (California) [L designated by Evenhuis & Greathead (1999: 656) in USNM*].

DISTRIBUTION: **Nearctic:** Mexico (Baja California Norte, Sonora), USA (California, Nevada).

timberlakei

Aphoebantus timberlakei Melander, 1950a: 42. TYPE LOCALITY: USA (California) [H in CAS].

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

transcaspicus

Aphoebantus transcaspicus Paramonov, 1925f: 27. TYPE LOCALITY: Turkmenistan [5S (lost) in SIZK].

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

transitus

Leptochilus transitus Coquillett, 1886b: 83. TYPE LOCALITY: USA (California) [L designated by Evenhuis & Greathead (1999: 666) in USNM*].

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

turkmenicus

Aphoebantus turkmenicus Paramonov, 1929a: 123(61). TYPE LOCALITY: Turkmenistan [H (lost) in SIZK].

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

ursula

Aphoebantus ursula Melander, 1950a: 42. TYPE LOCALITY: USA (California) [H in USNM*].

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

varius

Aphoebantus varius Coquillett, 1891a: 8(256). TYPE LOCALITY: USA (California) [L designated by Evenhuis & Greathead (1999: 657) in USNM*].

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

vasatus

Aphoebantus vasatus Melander, 1950a: 44. TYPE LOCALITY: USA (California) [H in

USNM*].

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

vittatus

Aphoebantus vittatus Coquillett, 1886b: 86. TYPE LOCALITY: USA (California) [L designated by Evenhuis & Greathead (1999: 657) in USNM*].

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

vulpeculus

Aphoebantus vulpecula Coquillett, 1894a: 107. TYPE LOCALITY: USA (California) [L designated by Evenhuis & Greathead (1999: 657) in USNM*].

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

wadensis

Aphoebantus wadensis Bezzi, 1925: 208. TYPE LOCALITY: Egypt [18S in ESEC].

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

xanthoscelus

Aphoebantus xanthoscelus Tabet & Hall, 1987: 102. TYPE LOCALITY: USA (California) [H in CAS*].

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

Genus **CONONEDYS** Hermann

CONONEDYS Hermann, 1907: 197. Type species: *Anthrax stenura* Loew, 1871, by original designation.

CONOGASTER Hermann, 1907: 199. Type species: *Conogaster erythraspis* Hermann, 1907, by monotypy. [Preoccupied by Brauer & Bergenstamm, 1891.]

armeniaca

Cononedys armeniaca Paramonov, 1925g: 92. TYPE LOCALITY: Armenia [H (lost) in SIZK].

Aphoebantus armenicus Paramonov, 1929a: 110(48) (new replacement name for *Cononedys armeniaca* Paramonov, 1925, at the time a secondary homonym of *Aphoebantus armeniacus* Paramonov, 1925f) [Valid by virtue of Art. 59b of the I.C.Z.N. Code.].

DISTRIBUTION: **Palaeartic**: Armenia, Azerbaijan.

bilobata

Aphoebantus bilobatus Bezzi, 1924a: 150. TYPE LOCALITY: “Abyssinia” [= Ethiopia] [H in BMNH*].

DISTRIBUTION: **Afrotropical**: Egypt, Ethiopia, Saudi Arabia.

bituberculata

Cononedys bituberculata Becker, 1915a: 322. TYPE LOCALITY: Tunisia [H (destroyed) in HNHM (see Note 9)].

DISTRIBUTION: **Palaeartic**: Israel, Tunisia.

dichromatopa

Aphoebantus dichromatopus Bezzi, 1925: 207. TYPE LOCALITY: Egypt [7S in ESEC; 1S in CUE; 2S in MSNM].

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

efflatouni

Aphoebantus efflatouni Bezzi, 1925: 205. TYPE LOCALITY: Egypt [24S in ESEC; 2S in MSNM].

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

erythraspis

Conogaster erythraspis Hermann, 1907: 199. TYPE LOCALITY: Greece [4S in ZSMC].

DISTRIBUTION: **Palaeartic**: Greece (incl. Corfu), Italy.

escheri

Aphoebantus escheri Bezzi, 1908a: 28. TYPE LOCALITY: Algeria [4S in MSNM].

DISTRIBUTION: **Palaeartic**: Algeria, Egypt, Tunisia.

inornata

Aphoebantus inornatus Greathead, 1967: 237. TYPE LOCALITY: Eritrea [H in BMNH*].

DISTRIBUTION: **Afrotropical**: Eritrea. **Palaeartic**: Saudi Arabia.

lyneborgi

Aphoebantus lyneborgi François, 1969c: 142. TYPE LOCALITY: Morocco [H in KBIN*].

DISTRIBUTION: **Palaeartic**: Morocco.

scutellata

Anthrax scutellata Meigen, 1835: 67 [1838: 64]. TYPE LOCALITY: Not given [= Germany (see Meigen, 1838: 64)] [H in MNHN*].

DISTRIBUTION: **Palaeartic**: France, Germany, Italy, Poland, Portugal, Spain.

stenura

Anthrax stenura Loew, 1871: 206 [1872b: 56]. TYPE LOCALITY: Tajikistan [H in ZMHB*].

sternurus, error for *stenura*.

DISTRIBUTION: **Oriental**: Pakistan. **Palaeartic**: Israel, Tajikistan, Turkmenistan, Uzbekistan.

Genus **EPACMUS** Osten Sacken

LEPTOCHILUS Loew, 1872a: 78 [1872c: 253]. Type species: *Leptochilus modestus* Loew, 1872, by monotypy. [Preoccupied by Saussure, 1852.]

EPACMUS Osten Sacken, 1886a: 76 [1887a: 143 (new replacement name for *Leptochilus* Loew, 1872)]. Type species: *Leptochilus modestus* Loew, 1872, by subsequent monotypy (Osten Sacken, 1887a: 143).

[See Evenhuis (1991b: 38–39) for clarification of type fixation of this genus.]

cirratus

Epacmus cirratus Melander, 1950a: 6. TYPE LOCALITY: USA (New Mexico) [H in USNM*].

DISTRIBUTION: **Nearctic**: USA (New Mexico).

clunalis

Epacmus clunalis Melander, 1950a: 8. TYPE LOCALITY: USA (Washington) [L designated by Evenhuis & Greathead (1999: 663) in USNM*].

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

connectens

Epacmus connectens Melander, 1950a: 10. TYPE LOCALITY: USA (Arizona) [H in USNM*].

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

labiosus

Epacmus labiosus Melander, 1950a: 11. TYPE LOCALITY: USA (Utah) [H in USNM*].
DISTRIBUTION: **Nearctic**: USA (Nevada, Utah).

litus

Aphoebantus litus Coquillett, 1886b: 84. TYPE LOCALITY: USA (California) [L designated by Evenhuis & Greathead (1999: 655) in USNM*].
DISTRIBUTION: **Nearctic**: USA (Arizona, California, Nevada, New Mexico).

modestus

Epacmus modestus Loew, 1872a: 77 [1872c: 253]. TYPE LOCALITY: USA (Texas) [2S in MCZ*].
DISTRIBUTION: **Nearctic**: Mexico (Guerrero, Sonora), USA (New Mexico, Texas).

morsicans

Epacmus morsicans Melander, 1950a: 11. TYPE LOCALITY: USA (Arizona) [H in USNM*].
DISTRIBUTION: **Nearctic**: USA (Arizona).

nebritis

Epacmus nebritis Coquillett, 1894a: 104. TYPE LOCALITY: USA (California) [L designated by Evenhuis & Greathead (1999: 663) in USNM*].
DISTRIBUTION: **Nearctic**: USA (Arizona, California).

nitidus

Epacmus nitidus Cole in Cole & Lovett, 1919: 249. TYPE LOCALITY: USA (Oregon) [H in CAS].
DISTRIBUTION: **Nearctic**: USA (Oregon).

pallidus

Epacmus pallidus Cresson, 1919: 181. TYPE LOCALITY: USA (Texas) [H in ANSP].
DISTRIBUTION: **Nearctic**: USA (Texas, Utah).

ponderosus

Epacmus ponderosus Melander, 1950a: 13. TYPE LOCALITY: USA (Arizona) [H in USNM*].
DISTRIBUTION: **Nearctic**: USA (Arizona).

pulvereus

Epacmus pulvereus Melander, 1950a: 13. TYPE LOCALITY: USA (Arizona) [L designated by Evenhuis & Greathead (1999: 663) in USNM*].
DISTRIBUTION: **Nearctic**: USA (Arizona, Nevada).

tomentosus

Epacmus tomentosus Melander, 1950a: 14. TYPE LOCALITY: USA (Arizona) [H in USNM*].
DISTRIBUTION: **Nearctic**: USA (Arizona, California).

Genus **EUCESSIA** Coquillett

EUCESSIA Coquillett, 1886b: 82. Type species: *Eucessia rubens* Coquillett, 1886, by monotypy.

rubens

Eucecisia rubens Coquillett, 1886b: 82. TYPE LOCALITY: USA (California) [10S in USNM*].

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

Genus **EXEPACMUS** Coquillett

EXEPACMUS Coquillett, 1894a: 101. Type species: *Exepacmus johnsoni* Coquillett, 1894, by monotypy.

johnsoni

Exepacmus johnsoni Coquillett, 1894a: 101. TYPE LOCALITY: USA (California) [H in USNM*].

Exepacmus nasalis Melander, 1950b: 152. TYPE LOCALITY: USA (California) [S in USNM].

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

Genus **PTERAULACODES** Hesse

PTERAULACODES Hesse, 1956a: 348. Type species: *Pteraulacodes karoensis* Hesse, 1956, by original designation.

hessei

Pteraulacodes hessei Lindner, 1972: 90. TYPE LOCALITY: "Südwestafrikas" [= Namibia] [2S in ZSMC].

DISTRIBUTION: **Afrotropical**: Namibia.

karoensis

Pteraulacodes karoensis Hesse, 1956a: 350. TYPE LOCALITY: South Africa (Eastern Cape) [H in NMSA*].

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

Genus **PTERAULAX** Bezzi

PTERAULAX Bezzi, 1921a: 117. Type species: *Pteraulax flexicornis* Bezzi, 1921, by original designation.

ausana

Pteraulax ausana Hesse, 1956a: 344. TYPE LOCALITY: "South-West Africa" [= Namibia] [H in BMNH*].

DISTRIBUTION: **Afrotropical**: Namibia.

braunsi

Pteraulax braunsi Bezzi, 1922a: 81. TYPE LOCALITY: South Africa (Eastern Cape) [H in MSNM].

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

cinctalis

Pteraulax cinctalis Hesse, 1956a: 348. TYPE LOCALITY: "Southern Rhodesia" [= Zimbabwe] [2S in BMNH*; 1S in SAMC*].

DISTRIBUTION: **Afrotropical**: Zimbabwe.

eremophila

Pteraulax eremophila Hesse, 1956a: 346. TYPE LOCALITY: South Africa (Western

Cape) [9S in SAMC*; 2S in BPBM*].

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

eurymetopa

Pteraulax eurymetopa Hesse, 1956a: 345. TYPE LOCALITY: South Africa (Northern Cape) [2S in SAMC*].

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

flexicornis

Pteraulax flexicornis Bezzi, 1921a: 118. TYPE LOCALITY: South Africa (Northern Cape) [2S in SAMC*].

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

latifacies

Pteraulax latifacies Hesse, 1956a: 343. TYPE LOCALITY: South Africa (Western Cape) [H in SAMC*].

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

oldroydi

Pteraulax oldroydi Abbassian-Lintzen, 1966a: 321. TYPE LOCALITY: Iran [H in TUPH].

DISTRIBUTION: **Palaearctic**: Iran.

setaria

Pteraulax setaria Hesse, 1956a: 340. TYPE LOCALITY: South Africa (Western Cape) [1S in NMSA*; 2S in CNC*; 2S in BPBM*; 2S in BMNH*; 158S in SAMC*].

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

TRIBE **EXOPROSOPINI** BECKER

Genus **ATRICHOCHIRA** Hesse

ATRICHOCHIRA Hesse, 1956b: 911. Type species: *Exoprosopa pediformis* Bezzi, 1921, by original designation.

inermis

Exoprosopa inermis Bezzi, 1912: 638. TYPE LOCALITY: “North Nyasa” [= Malawi] [H in BMNH*].

DISTRIBUTION: **Afrotropical**: Malawi.

pediformis

Exoprosopa pediformis Bezzi, 1921a: 160. TYPE LOCALITY: South Africa (KwaZulu-Natal) [H in SAMC].

Exoprosopa pediformis Bezzi, 1924a: 351]. TYPE LOCALITY: “Nyasaland” [= Malawi] [2S in BMNH*]. [Preoccupied by Bezzi, 1921.]

DISTRIBUTION: **Afrotropical**: Burundi, Malawi, South Africa (KwaZulu-Natal).

Genus **COLLOPTERA** Hull

COLLOPTERA Hull, 1973: 430. Type species: *Exoprosopa latipennis* Brunetti,

1909, by original designation.

latipennis

Exoprosopa latipennis Brunetti, 1909a: 464. TYPE LOCALITY: “Assam” [= India (Meghalaya)] [H in NZSI].

DISTRIBUTION: **Oriental**: India (Karnataka, Meghalaya).

Genus **DIATROPOMMA** Bowden

DIATROPOMMA Bowden, 1962a: 116. Type-species: *Diatropomma carcassoni* Bowden, 1962, by original designation.

annettae

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

DISTRIBUTION: **Afrotropical**: Tanzania.

carcassoni

Diatropomma carcassoni Bowden, 1962a: 118. TYPE LOCALITY: Kenya [H in JB].

DISTRIBUTION: **Afrotropical**: Kenya.

claudia

Exoprosopa claudia François, 1960: 284. TYPE LOCALITY: Burundi [H in KBIN*].

DISTRIBUTION: **Afrotropical**: Burundi.

Genus **EXOPROSOPA** Macquart

EXOPROSOPA Macquart, 1840: 35 [1841: 313]. Type species: *Anthrax pandora* Fabricius, 1805, by subsequent designation (Coquillett, 1910b: 544) [Designation conserved by Opinion 1632 (I.C.Z.N., 1991: 82).]

LITORHYNCHUS Macquart, 1840: 78 [1841: 356]. Type species: *Litorhynchus hamatus* Macquart, 1840 [= *Anthrax heros* Wiedemann, 1819], by subsequent designation (Coquillett, 1910b: 562).

TRINARIA Mulsant, 1852a: 20 [1852b: 180]. Type species: *Anthrax interrupta* Mulsant, 1852 [preoccupied, = *Anthrax rutila* Pallas & Wiedemann, 1818], by subsequent designation (Coquillett, 1910b: 617).

ARGYROSPILA Rondani, 1856: 162, 202. Type species: *Anthrax jacchus* Fabricius, 1805, by original designation (as “*jaccus*”).

DEFILIPPIA Lioy, 1864: 733. Type species: *Anthrax minus* Meigen, 1804, by subsequent designation (Griffini, 1896: 42).

LITORRHYNCHUS Verrall in Scudder, 1882: 192 (unjustified emendation of *Litorhynchus* Macquart, 1840). Type species: *Litorhynchus hamatus* Macquart, 1840 [= *Anthrax heros* Wiedemann, 1819], automatic.

EXOPTATA Coquillett, 1887a: 13 (as subgenus of *Exoprosopa* Macquart). Type species: *Exoprosopa divisa* Coquillett, 1887, by monotypy.

CLADODISCA Bezzi, 1922b: 105 (as subgenus of *Exoprosopa* Macquart). Type species: *Exoprosopa munda* Loew, 1869, by monotypy.

LITOMYZA Hull, 1973: 426. Type species: *Litorhynchus hamatus* Macquart, 1840 [= *Anthrax heros* Wiedemann, 1819], by subsequent designation (Evenhuis, 1991b: 48). *Nomen nudum*.

ARGYROSPYLA, incorrect original spelling of *Argyrospila* (Rondani, 1856: 162).

aberrans

Exoprosopa aberrans Paramonov, 1928a: 202(24). TYPE LOCALITY: Turkmenistan [H in SIZK].

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

abrogata

Exoprosopa abrogata Nurse, 1922a: 637. TYPE LOCALITY: India (Maharashtra) [2S in BMNH*].

DISTRIBUTION: **Oriental:** India (Maharashtra).

acrosbila

Exoprosopa acrosbila Bezzi, 1923b: 335. TYPE LOCALITY: “Kenya Protectorate” [= Kenya] [H in MNHN].

DISTRIBUTION: **Afrotropical:** Kenya.

actites

Exoprosopa actites Painter in Painter & Painter, 1969: 21. TYPE LOCALITY: Mexico (Veracruz-Llave) [H in USNM*].

DISTRIBUTION: **Nearctic:** Mexico (Morelos, Veracruz-Llave).

adelaidica

Exoprosopa adelaidica Macquart, 1855: 90(70). TYPE LOCALITY: Australia (SA) [H in BMNH*].

DISTRIBUTION: **Australasian/Oceanian:** Australia (Queensland, SA, WA).

affinissima

Exoprosopa affinissima Senior-White, 1924: 392. TYPE LOCALITY: Sri Lanka [H in BMNH*].

DISTRIBUTION: **Oriental:** India (Maharashtra), Sri Lanka.

agassizi

Exoprosopa agassizi Loew, 1869c: 16 [1872c: 130]. TYPE LOCALITY: USA (California) [H in MCZ*].

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

albata

Exoprosopa albata Bezzi, 1924a: 323. TYPE LOCALITY: “Portuguese East Africa” [= Mozambique] [7S in BMNH*; 1S in MSNM].

DISTRIBUTION: **Afrotropical:** Mozambique, South Africa (KwaZulu-Natal).

albicollaris

Exoprosopa fascipennis ssp. *albicollaris* Painter in Painter & Painter, 1962: 145. TYPE LOCALITY: USA (Kansas) [H in USNM*].

DISTRIBUTION: **Nearctic:** USA (Colorado, Kansas, Nebraska, New Mexico, Ohio, Oklahoma, South Dakota, Texas, Wyoming).

albifrons

Exoprosopa albifrons Curran, 1930b: 8. TYPE LOCALITY: USA (Arizona) [H in AMNH*].

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

albofimbriata

Exoprosopa albofimbriata Bezzi, 1924a: 308. TYPE LOCALITY: “Belgian Congo” [= Congo] [4S in BMNH*].

DISTRIBUTION: **Afrotropical**: Congo.

aldabrae

Exoprosopa aldabrae Greathead, 1976: 249. TYPE LOCALITY: Aldabra [H in BMNH*].
DISTRIBUTION: **Afrotropical**: Aldabra, Astove I, Cosmoledo Is.

alexon

Anthrax alexon Walker, 1849: 246 TYPE LOCALITY: "East Indies" [= ?Indonesia (Java)] [H in BMNH*].
DISTRIBUTION: **Oriental**: ?Indonesia (Java).

altaica

Exoprosopa altaica Paramonov, 1925a: 46. TYPE LOCALITY: Russia (WS) [H in SIZK].
DISTRIBUTION: **Palaeartic**: Mongolia, Russia (ES, FE, WS).

ammophila

Exoprosopa ammophila Paramonov, 1931b: 91(91). TYPE LOCALITY: Egypt [H (destroyed) in PPDD (see Note 4)].
DISTRIBUTION: **Afrotropical**: Sudan. **Palaeartic**: Egypt.

amseli

Exoprosopa amseli Oldroyd, 1961: 302. TYPE LOCALITY: Afghanistan [H in SMNK].
DISTRIBUTION: **Palaeartic**: Afghanistan.

ancilla

Exoprosopa ancilla Bezzi, 1924a: 356. TYPE LOCALITY: Gambia [1S in MSNM; 21S in BMNH*].
DISTRIBUTION: **Afrotropical**: Gambia, Ghana, Ivory Coast.

angusta

Exoprosopa angusta Bezzi, 1924a: 302. TYPE LOCALITY: Madagascar [H in BMNH*].
DISTRIBUTION: **Afrotropical**: Madagascar.

anomala

Exoprosopa anomala Painter, 1934: 68. TYPE LOCALITY: USA (Texas) [H in USNM*].
DISTRIBUTION: **Nearctic**: USA (Arizona, New Mexico, Texas).

anthracoida

Exoprosopa anthracoida Jaenicke, 1867b: 340 [1868: 32]. TYPE LOCALITY: "Mexico" [T (lost) in HLMD].
Exoprosopa trabalis Loew, 1869c: 13 [1872c: 127]. TYPE LOCALITY: "Jalapa" [= Mexico (Tabasco)] [H in MCZ*].
DISTRIBUTION: **Nearctic**: Mexico (Veracruz-Llave). **Neotropical**: Mexico (Tabasco).

antica

Anthrax antica Walker, 1852: 183. TYPE LOCALITY: Colombia [H in BMNH*].
DISTRIBUTION: **Neotropical**: Colombia.

aphelosticta

Exoprosopa aphelosticta Hesse, 1956b: 766. TYPE LOCALITY: "Southern Rhodesia" [= Zimbabwe] [H in NMSA*].
DISTRIBUTION: **Afrotropical**: Zimbabwe.

apicalis

Exoprosopa apicalis Klug in Loew, 1860b: 251 [1860c: 179]. *Nomen nudum*. [Pre-

occupied by Wiedemann, 1821.]

apiformis

Exoprosopa apiformis Hesse, 1956b: 862. TYPE LOCALITY: South Africa (Eastern Cape) [H in SAMC].

DISTRIBUTION: **Afrotropical**: South Africa (Eastern Cape, Gauteng, KwaZulu-Natal, North-West Province).

arcuata

Exoprosopa arcuata Macquart, 1847a: 50 [1847b: 66]. TYPE LOCALITY: Madagascar [T in UNKN (originally in de Villiers Collection)].

DISTRIBUTION: **Afrotropical**: Madagascar.

arenicola

Exoprosopa arenicola Johnson & Johnson, 1958: 71. TYPE LOCALITY: USA (Utah) [H in BYU].

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

argentifasciata

Exoprosopa argentifasciata Macquart, 1846: 237(109). TYPE LOCALITY: “Colombie” [= Colombia, Ecuador, or Venezuela] [9S in BMNH*].

Exoprosopa limbipennis Macquart, 1846: 238(110). TYPE LOCALITY: Mexico (Yucatán) [4S in MNHN; 1S in BMNH*].

DISTRIBUTION: **Nearctic**: Mexico (Guerrero, Jalisco, Michoacán de Ocampo, Morelos, Puebla, San Luis Potosí, Veracruz-Llave). **Neotropical**: Colombia, Costa Rica, Mexico (Chiapas, Oaxaca, Yucatán), Panama.

argentifrons

Exoprosopa argentifrons Macquart, 1855: 89(69). TYPE LOCALITY: “cap de Bonne-Espérance” [= South Africa (Western Cape)] [H in BMNH*].

Exoprosopa scalaris Bezzi, 1924a: 294. TYPE LOCALITY: “Nyasaland” [= Malawi] [H in BMNH*].

DISTRIBUTION: **Afrotropical**: Angola, Botswana, Kenya, Malawi, Mozambique, Namibia, South Africa (Eastern Cape, Western Cape), Tanzania, Zimbabwe.

argyrophora

Exoprosopa argyrophora Bezzi, 1912: 643. TYPE LOCALITY: “West Nyasa” [= Malawi] [H in BMNH*].

DISTRIBUTION: **Afrotropical**: Malawi.

asiatica

Exoprosopa asiatica Zaitzev, 1972c: 1586. TYPE LOCALITY: Mongolia [H in ZIS].

DISTRIBUTION: **Palaearctic**: Israel, Kazakhstan, Mongolia.

asiris

Exoprosopa asiris Greathead, 1980b: 334. TYPE LOCALITY: Yemen [H in BMNH*].

DISTRIBUTION: **Afrotropical**: Yemen. **Palaearctic**: Saudi Arabia.

atrata

Exoprosopa atrata Hesse, 1956b: 830. TYPE LOCALITY: South Africa (Western Cape) [1S in NMBZ; 16S in SAMC].

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

atrinasis

Exoprosopa atrinasis Speiser, 1910: 80. TYPE LOCALITY: “Kilimandjaro” [= Tanzania] [H in NHRS].

DISTRIBUTION: **Aftrotropical**: Ethiopia, Kenya, Tanzania, Uganda, Zambia.

atripes

Exoprosopa atripes Cole, 1923: 291. TYPE LOCALITY: Mexico (Baja California Sur) [H in CAS].

DISTRIBUTION: **Nearctic**: Mexico (Baja California Sur).

atrisquama

Exoprosopa atrisquama Hesse, 1956b: 873. TYPE LOCALITY: South Africa (Gauteng) [H in NMSA*].

DISTRIBUTION: **Aftrotropical**: South Africa (Gauteng).

aureola

Exoprosopa aureola François, 1967a: 154. TYPE LOCALITY: Senegal [H in KBIN*].

DISTRIBUTION: **Aftrotropical**: Senegal.

aurivestrix

Exoprosopa aurivestrix François, 1962b: 421. TYPE LOCALITY: Burundi [H in KBIN*].

DISTRIBUTION: **Aftrotropical**: Burundi, Kenya, Tanzania.

aurulans

Exoprosopa aurulans Bezzi, 1924a: 322. TYPE LOCALITY: Ghana [4S in BMNH*].

DISTRIBUTION: **Aftrotropical**: Ghana, Ivory Coast, Nigeria.

aztec

Exoprosopa aztec Painter in Painter & Painter, 1969: 13. TYPE LOCALITY: Mexico (San Luis Potosí) [H in USNM*].

DISTRIBUTION: **Nearctic**: Mexico (Coahuila de Zaragoza, Morelos, San Luis Potosí).

baccha

Exoprosopa baccha Loew, 1869b: 214. TYPE LOCALITY: “Balkan” & “Inseln des griech. Archipelagus” & Greece (Rhodes) & “Kleinasien” [= Greece, Syria, or Turkey] [1S in UMO*; 14S in ZMHB*].

DISTRIBUTION: **Palaeartic**: Croatia, Egypt, France, Greece (incl. Crete, Lesbos, Rhodes, Zakynthos), Iran, Israel (incl. West Bank), Italy (incl. Sicily), Libya, Macedonia, Morocco, Slovenia, Turkey, Yugoslavia.

balioptera

Exoprosopa balioptera Loew, 1860a: 94 [1860b: 310; 1860c: 238]. TYPE LOCALITY: “Caffraria” [= South Africa (Eastern Cape)] & “Cap. B. Sp.” [= South Africa (Western Cape)] [1S in ZMHB*; 1S in NHRS].

DISTRIBUTION: **Aftrotropical**: South Africa (Eastern Cape, Western Cape).

barnardi

Exoprosopa barnardi Hesse, 1956b: 872. TYPE LOCALITY: “South-West Africa” [= Namibia] [H in SAMC].

DISTRIBUTION: **Aftrotropical**: Namibia.

basifascia

Anthrax basifascia Walker, 1849: 248. TYPE LOCALITY: “North Bengal” [probably = India (Bihar)] [H in BMNH*].

Anthrax semilucida Walker, 1852: 170. TYPE LOCALITY: “East Indies” [= India] [H in BMNH*].

DISTRIBUTION: **Oriental:** India (Bihar).

batrachoides

Exoprosopa batrachoides Bezzi, 1912: 646. TYPE LOCALITY: “North Nyasa” [= Malawi] [2S in BMNH*].

DISTRIBUTION: **Afrotropical:** Malawi, South Africa (KwaZulu-Natal), Tanzania, Zimbabwe.

bellula

Exoprosopa bellula Painter in Painter & Painter, 1969: 22. TYPE LOCALITY: Mexico (Chiapas) [H in USNM*].

DISTRIBUTION: **Nearctic:** Mexico (Guerrero, México, Morelos, Nayarit). **Neotropical:** Mexico (Chiapas, Oaxaca).

belutschistanica

Exoprosopa belutschistanica Lindner, 1975: 15. TYPE LOCALITY: Iran [5S in SMNS].

DISTRIBUTION: **Palaeartic:** Iran.

bifurca

Exoprosopa bifurca Loew, 1869c: 15 [1872c: 129]. TYPE LOCALITY: USA (California) [H in MCZ*].

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

biguttata

Anthrax biguttata Macquart, 1834: 409. TYPE LOCALITY: “Du cap Vert” [= Cape Verde Is] [T in UNKN].

Exoprosopa notabilis Macquart, 1840: 43 [1841: 321]. TYPE LOCALITY: “Sénégal” [= Gambia or Senegal] [1S in MNHN*].

Exoprosopa tewfiki Paramonov, 1931b: 89(89). TYPE LOCALITY: Egypt [H (destroyed) in PPDD (see Note 4)].

DISTRIBUTION: **Afrotropical:** Benin, Cape Verde Is, Chad, Eritrea, Ethiopia, Ghana, Ivory Coast, Mali, Mauritania, Niger, Nigeria, Senegal, Sudan. **Palaeartic:** Egypt, Oman, Saudi Arabia.

bolbocera

Exoprosopa bolbocera Hesse, 1956b: 883. TYPE LOCALITY: South Africa (KwaZulu-Natal) [H in SAMC].

DISTRIBUTION: **Afrotropical:** South Africa (Gauteng, KwaZulu-Natal).

bowdeni

Exoprosopa bowdeni Sanchez-Terrón, 1990: 265. TYPE LOCALITY: Spain (Mallorca) [H in MNMS].

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

brachipleuralis

Exoprosopa brachipleuralis Hesse, 1956b: 873. TYPE LOCALITY: South Africa (KwaZulu-Natal) [H in SAMC].

DISTRIBUTION: **Afrotropical:** South Africa (KwaZulu-Natal).

brachycera

Exoprosopa brachycera Bezzi, 1924a: 355. TYPE LOCALITY: “Nyasaland” [= Malawi] [H in BMNH*].

Exoprosopa africana Paramonov, 1955a: 60. TYPE LOCALITY: Malawi [H in BMNH*].
DISTRIBUTION: **Afrotropical**: Malawi.

brevinasis

Exoprosopa brevinasis Bezzi, 1924a: 343. TYPE LOCALITY: “Kenya Colony” [= Kenya] [2S in BMNH*; 2S in MSNM].

Exoprosopa engyoptera Hesse, 1956b: 874. TYPE LOCALITY: “British East Africa” [= Kenya] [H in NMSA*].

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

brevirostris

Exoprosopa brevirostris Williston, 1901: 272. TYPE LOCALITY: Mexico (Jalisco) [L designated by Painter & Painter (1962: 134) in BMNH*].

DISTRIBUTION: **Nearctic**: Mexico (Jalisco).

brevistylata

Exoprosopa brevistylata Williston, 1901: 272. TYPE LOCALITY: Mexico (Guerrero) [H in BMNH*].

brevistyla, error for *brevistylata*.

DISTRIBUTION: **Nearctic**: Mexico (Durango, Guerrero, Morelos, Puebla, Veracruz-Llave).

bucharensis

Exoprosopa bucharensis Paramonov, 1929b: 190(192). TYPE LOCALITY: Uzbekistan [H in SIZK].

DISTRIBUTION: **Palearctic**: Turkmenistan, Uzbekistan.

busiris

Exoprosopa busiris Jaenicke, 1867b: 343 [1868: 35]. TYPE LOCALITY: “Simen” [= Ethiopia] [H in SMFD].

DISTRIBUTION: **Afrotropical**: Ethiopia. **Palearctic**: Egypt.

butleri

Exoprosopa butleri Johnson & Johnson, 1958: 74. TYPE LOCALITY: “Mexico” [H in BYU].

DISTRIBUTION: **Nearctic**: Mexico (Coahuila de Zaragoza, Sonora).

caffra

Anthrax caffra Wiedemann, 1821a: 81 [1821b: 131]. TYPE LOCALITY: “Prom. bon. sp.” [= South Africa (Western Cape)] [H in ZMUC].

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

californiae

Anthrax californiae Walker, 1852: 172. TYPE LOCALITY: USA (California) [H in UNKN].

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

caliptera

Anthrax caliptera Say, 1823: 46. TYPE LOCALITY: USA (Arkansas) [T (destroyed) in ANSP (see Note 25)].

DISTRIBUTION: **Nearctic**: Canada (British Columbia), Mexico (Durango), USA (Arizona, Arkansas, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, South Dakota, Washington).

callima

Exoprosopa callima Painter in Painter & Painter, 1969: 24. TYPE LOCALITY: Mexico

(San Luis Potosí) [H in USNM*].

DISTRIBUTION: **Nearctic**: Mexico (Guerrero, Hidalgo, Nuevo León, San Luis Potosí, Tamaulipas).

capnoptera

Exoprosopa capnoptera Bezzi, 1912: 648. TYPE LOCALITY: “West Nyasa” [= Malawi] [H in BMNH*].

DISTRIBUTION: **Afrotropical**: Congo, Malawi, Uganda.

capucina

Bibio capucina Fabricius, 1781: 415. TYPE LOCALITY: Not given [= Europe] [1S in MNHN*; 2S in ZMUC].

Oestrus noveboracensis ssp. *minor* Houttuyn in Lichtenstein, 1796: 215. [Unavailable; name proposed in synonymy with *Bibio capucina* Fabricius and not made available before 1961.]

Anthrax caloptera Pallas in Wiedemann, 1818a: 12. TYPE LOCALITY: “In deserto Barabensi” [= Russia (WS) (see Pont, 1995: 150)] [T in NMW].

DISTRIBUTION: **Palaeartic**: Albania, Armenia, Austria, Azerbaijan, Belgium, Bulgaria, Croatia, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Gruzia, Hungary, Italy, Kazakhstan, Kyrgyz Republic, Lithuania, Luxemburg, Macedonia, Netherlands, Poland, Romania, Russia (CET, NET, SET, WS), Slovakia, Spain, Switzerland, Tajikistan, Turkmenistan, Ukraine, Ukraine, Uzbekistan.

castilla

Exoprosopa castilla Painter, 1930b: 796. TYPE LOCALITY: Honduras [H in USNM*].

DISTRIBUTION: **Neotropical**: Costa Rica, Honduras.

celer

Exoprosopa celer Cole, 1916: 463. TYPE LOCALITY: USA (California) [H in USNM*].

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

cervina

Exoprosopa cervina Bezzi, 1921a: 171. TYPE LOCALITY: “S.W. Protectorate” [= Namibia] [H in SAMC].

DISTRIBUTION: **Afrotropical**: Namibia, South Africa (KwaZulu-Natal, Northern Province), Zimbabwe.

chan

Exoprosopa chan Paramonov, 1928a: 216(38). TYPE LOCALITY: Uzbekistan [H in SIZK].

DISTRIBUTION: **Palaeartic**: Uzbekistan.

chionea

Exoprosopa chionea Bezzi, 1924a: 357. TYPE LOCALITY: “N.-W. Rhodesia” [= Zambia] [H in BMNH*].

DISTRIBUTION: **Afrotropical**: Zambia.

circeoides

Exoprosopa circeoides Paramonov, 1928a: 217(39). TYPE LOCALITY: Egypt [3S (destroyed) in PPDD (see Note 4)].

Exoprosopa circeoides var. *nigrofasciata* Paramonov, 1928a: 218(40). TYPE LOCALITY: Egypt [2S (destroyed) in PPDD (see Note 4)].

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

claripennis

Exoprosopa claripennis Hesse, 1956b: 887. TYPE LOCALITY: “Southern Rhodesia” [= Zimbabwe] [H in SAMC].

DISTRIBUTION: **Afrotropical**: Tanzania, Zimbabwe.

clarki

Exoprosopa clarki Curran, 1930b: 4. TYPE LOCALITY: USA (Arizona) [H in AMNH*].

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

clausina

Exoprosopa clausina Bezzi, 1924a: 301. TYPE LOCALITY: Angola [H in BMNH*].

DISTRIBUTION: **Afrotropical**: Angola.

cleomene

Exoprosopa cleomene Egger, 1859: 397. TYPE LOCALITY: Austria [T (lost?) in NMW].

DISTRIBUTION: **Palaeartic**: Armenia, Austria, Azerbaijan, Belgium, Czech Republic, France, Germany, Gruzia, Hungary, Italy, Poland, Russia (SET), Slovakia, Slovenia, Spain, Switzerland, Ukraine.

conochila

Exoprosopa conochila Bezzi, 1924a: 325. TYPE LOCALITY: “Anglo-Egyptian Sudan” [= Sudan] [H in BMNH*].

DISTRIBUTION: **Afrotropical**: Sudan.

contorta

Exoprosopa contorta Bezzi, 1924a: 301. TYPE LOCALITY: “Kenya Colony” [= Kenya] [1S in BMNH*].

DISTRIBUTION: **Afrotropical**: Kenya.

convexa

Anthrax convexa Walker, 1857: 138. TYPE LOCALITY: “Valley of the Amazon” [= Brazil (Amazonas or Pará)] [5S in BMNH*; 1S in MVMA].

DISTRIBUTION: **Neotropical**: Brazil (Amazonas).

costalis

Exoprosopa costalis Macquart, 1846: 235(107). TYPE LOCALITY: “Cafreterie” [= South Africa (Eastern Cape)] [S in UNKN (originally in Delegorgue Collection)].

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

cracens

Exoprosopa cracens Painter in Painter & Painter, 1969: 25. TYPE LOCALITY: Mexico (Guerrero) [H in USNM*].

DISTRIBUTION: **Nearctic**: Mexico (Guerrero, Morelos).

cubana

Exoprosopa cubana Loew, 1869c: 14 [1872c: 128]. TYPE LOCALITY: Cuba [2S in MCZ*; 1S in ZMHB*].

DISTRIBUTION: **Neotropical**: British Virgin Is, Cuba, Puerto Rico.

curvicornis

Exoprosopa curvicornis Bezzi, 1924a: 262. TYPE LOCALITY: “Kenya Colony” [= Kenya] [H in BMNH*].

DISTRIBUTION: **Afrotropical**: Kenya.

damarensis

Exoprosopa damarensis Hesse, 1956b: 827. TYPE LOCALITY: “South-West Africa” [= Namibia] [H in SAMC].

DISTRIBUTION: **Afrotropical**: Namibia.

decastroi

Exoprosopa decastroi Hesse, 1950: 29 (as “*de Castroi*”). TYPE LOCALITY: “Portuguese East Africa” [= Mozambique] [H in CPMM].

Exoprosopa ferreirae Hesse, 1950: 31. TYPE LOCALITY: “Portuguese East Africa” [= Mozambique] [3S in CPMM].

DISTRIBUTION: **Afrotropical**: Kenya, Mozambique.

decipiens

Exoprosopa decipiens Bezzi, 1924a: 287. TYPE LOCALITY: “N. Rhodesia” [= Zambia] [H in BMNH*].

DISTRIBUTION: **Afrotropical**: Namibia, Tanzania, Zambia, Zimbabwe.

decolor

Exoprosopa decolor Bezzi, 1924a: 326. TYPE LOCALITY: “Belgian Congo” [= Congo] [2S in BMNH*].

DISTRIBUTION: **Afrotropical**: Congo.

decora

Exoprosopa decora Loew, 1869c: 13 [1872c: 127]. TYPE LOCALITY: USA (Wisconsin) [H in MCZ*].

DISTRIBUTION: **Nearctic**: Canada (Alberta, Manitoba, Ontario, Quebec, Saskatchewan), USA (Arizona, Arkansas, California, Colorado, Connecticut, Delaware, District of Columbia, Georgia, Idaho, Illinois, Indiana, Iowa, Kansas, Kentucky, Maine, Maryland, Massachusetts, Michigan, Minnesota, Missouri, Montana, Nebraska, New Hampshire, New Jersey, New Mexico, New York, North Carolina, North Dakota, Ohio, Oklahoma, Oregon, Pennsylvania, South Carolina, South Dakota, Tennessee, Texas, Utah, Vermont, Virginia, Washington, West Virginia, Wisconsin, Wyoming).

decrepita

Anthrax decrepita Wiedemann, 1828: 564. TYPE LOCALITY: “Nubien” [= Egypt or Sudan] [1S in NMW*; 1S in SMFD; 1S in ZMHB*].

Exoprosopa albifacies Paramonov, 1928a: 205(27). TYPE LOCALITY: Egypt [3S (destroyed) in PPDD (see Note 4)].

Exoprosopa aegyptiaca Paramonov, 1928a: 205(27). TYPE LOCALITY: Egypt [2S (destroyed) in PPDD (see Note 4)].

Exoprosopa flava Paramonov, 1928a: 230(52). TYPE LOCALITY: Egypt [2S (destroyed) in PPDD (see Note 4)].

Exoprosopa verna Greathead, 1970: 115. TYPE LOCALITY: Chad [H in BMNH*].

DISTRIBUTION: **Afrotropical**: Chad, Senegal, Sudan. **Palaeartic**: Egypt, Israel, Saudi Arabia.

dedecor

Exoprosopa dedecor Loew, 1871: 204 [1872b: 56]. TYPE LOCALITY: Tajikistan [2S in ZMHB*].

DISTRIBUTION: **Palaeartic**: Afghanistan, Armenia, Azerbaijan, China, Gruzia,

Iran, Kazakhstan, Kyrgyz Republic, Mongolia, Tajikistan, Turkey, Turkmenistan, Uzbekistan.

dedecorooides

Exoprosopa dedecorooides Paramonov, 1928a: 223(45). TYPE LOCALITY: Tajikistan [L designated by Zaitzev & Kandybina (1983: 18) in ZIS].

DISTRIBUTION: **Palaearctic**: Tajikistan.

delicata

Exoprosopa delicata Greathead, 1967: 270. TYPE LOCALITY: Eritrea [H in BMNH*].

DISTRIBUTION: **Afrotropical**: Eritrea.

didesma

Exoprosopa didesma Hesse, 1956b: 789. TYPE LOCALITY: South Africa (Mpumalanga) [H in SAMC].

DISTRIBUTION: **Afrotropical**: South Africa (Mpumalanga).

diluta

Exoprosopa diluta Bezzi, 1924a: 306. TYPE LOCALITY: “Kenya Colony” [= Kenya] [H in BMNH*].

DISTRIBUTION: **Afrotropical**: Kenya.

dimidiata

Exoprosopa dimidiata Macquart, 1846: 235(107). TYPE LOCALITY: “Cafrerie” [= South Africa (Eastern Cape)] [T in UNKN (originally in Delegorgue Collection)].

Anthrax commiles Walker, 1857: 141. TYPE LOCALITY: South Africa (KwaZulu-Natal) [H in BMNH*].

Anthrax argentilatus Walker, 1857: 142. TYPE LOCALITY: South Africa (KwaZulu-Natal) [H in BMNH*].

DISTRIBUTION: **Afrotropical**: Botswana, Gambia, Kenya, Malawi, Tanzania, South Africa (Eastern Cape, Free State, KwaZulu-Natal, Mpumalanga), Uganda, Zimbabwe.

dimidiatipennis

Exoprosopa dimidiata Roberts, 1928a: 109. TYPE LOCALITY: Australia (NT) [H in SAMA*]. [Preoccupied Macquart, 1846.]

Exoprosopa dimidiatipennis Bowden, 1971b: 64 (new replacement name for *Exoprosopa dimidiata* Roberts, 1928).

DISTRIBUTION: **Australasian/Oceanian**: Australia (NT).

discriminata

Exoprosopa discriminata Bezzi, 1912: 641. TYPE LOCALITY: “Nyasaland” [= Malawi] [H in BMNH*].

DISTRIBUTION: **Afrotropical**: Malawi.

disrupta ssp. **disrupta**

Exoprosopa disrupta Walker, 1871a: 261. TYPE LOCALITY: Sudan [1S in BMNH*].

Exoprosopa lacerata Engel, 1936c: 490. TYPE LOCALITY: Sudan [2S (destroyed) in ESEC (see Note 4)].

DISTRIBUTION: **Afrotropical**: Eritrea, Senegal, Somalia, Sudan, Yemen. **Oriental**: ?India.

disrupta ssp. **tihamae**

Exoprosopa disrupta ssp. *tihamae* Greathead, 1980a: 246. TYPE LOCALITY: Yemen [H in BMNH*].

DISTRIBUTION: **Palaearctic:** Oman, Saudi Arabia, United Arab Emirates.

dispar

Exoprosopa dispar Loew, 1869b: 202. TYPE LOCALITY: Greece (Rhodes & Naxos) [6S in ZMHB*].

Exoprosopa dispar var. *interrupta* Paramonov, 1928a: 226(48). TYPE LOCALITY: Greece (Poros) & Russia (SET) & Armenia & Turkmenistan [S (lost) in SIZK]. [Pre-occupied by Wiedemann, 1828.]

Exoprosopa dispar spp. *paramonovi* Evenhuis, 1978c: 103 (new replacement name for *Exoprosopa dispar interrupta* Paramonov, 1928).

DISTRIBUTION: **Palaearctic:** France, Greece (incl. Naxos, Rhodes), Hungary, Italy (incl. Sicily), Lebanon, Morocco, Portugal, Russia (SET), Spain, Tunisia, Turkey, Yugoslavia.

divisa

Exoptata divisa Coquillett, 1887a: 13. TYPE LOCALITY: USA (Arizona & California) [1S in USNM*].

DISTRIBUTION: **Nearctic:** Mexico (Sonora), USA (Alabama, Arizona, Arkansas, California, Colorado, Kansas, Louisiana, Nevada, New Mexico, Oklahoma, Oregon, Texas, Utah).

dodrans

Exoprosopa dodrans Osten Sacken, 1877: 234. TYPE LOCALITY: USA (Colorado) [2S in MCZ*].

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

dodrina

Exoprosopa dodrina Curran, 1930b: 5. TYPE LOCALITY: USA (Colorado) [H in AMNH*].

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

dorcadion

Exoprosopa dorcadion Osten Sacken, 1877: 231. TYPE LOCALITY: USA (Maine) [L designated by Evenhuis (1982b: 8) in MCZ*].

DISTRIBUTION: **Nearctic:** Canada (Alberta, British Columbia, Manitoba, New Brunswick, Ontario, Quebec, Saskatchewan), Mexico (Chihuahua, Coahuila de Zaragoza, Guerrero), USA (Arizona, Arkansas, California, Colorado, Connecticut, Idaho, Illinois, Indiana, Iowa, Kansas, Kentucky, Maine, Massachusetts, Michigan, Minnesota, Missouri, Montana, Nebraska, Nevada, New Hampshire, New Jersey, New York, North Dakota, Ohio, Oklahoma, Oregon, Pennsylvania, South Dakota, Texas, Utah, Vermont, Wisconsin, Wyoming).

doris

Exoprosopa doris Osten Sacken, 1877: 235. TYPE LOCALITY: USA (Nevada) [1S in AMNH*; 1S in MCZ*].

Exoprosopa pallens Bigot, 1892: 345. TYPE LOCALITY: USA (California) [H in BMNH*].

DISTRIBUTION: **Nearctic:** USA (Arizona, California, Idaho, Nevada, New Mexico, Oregon, Texas, Washington).

dux

Anthrax dux Wiedemann, 1828: 269. TYPE LOCALITY: “Vom Kap” [= South Africa (Western Cape)] [2S in ZMHB*; 1S in NMW*].

Anthrax senicula Wiedemann, 1828: 270. TYPE LOCALITY: “Vom Kap” [= South Africa (Western Cape)] [4S in RMNH; 4S in ZMHB*; 1S in NMW*].

Exoprosopa ignava Loew, 1860a: 93 [1860b: 304; 1860c: 232]. TYPE LOCALITY: “Cap. B. Sp.” [= South Africa (Western Cape)] [H in ZMHB*].

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

eclipsis

Exoprosopa eclipsis Bezzi, 1924a: 268. TYPE LOCALITY: “N. Rhodesia” [= Zambia] [H in BMNH*].

DISTRIBUTION: **Afrotropical**: South Africa (Gauteng), Zambia.

efflatounbeyi

Exoprosopa efflatounbeyi Paramonov, 1928a: 226(48) (as “*efflatoun-beyi*”). TYPE LOCALITY: Egypt [H (destroyed) in ESEC (see Note 4)].

DISTRIBUTION: **Afrotropical**: Yemen. **Palaeartic**: Egypt, Saudi Arabia.

efflatouni

Exoprosopa efflatouni Bezzi, 1925: 240. TYPE LOCALITY: Egypt [S (destroyed) in PPDD (see Note 4); 1S in MSNM].

Exoprosopa dulcis Austen, 1936: 199. TYPE LOCALITY: Pakistan [3S in BMNH*].

DISTRIBUTION: **Afrotropical**: Eritrea, Mali, Sudan, Yemen. **Oriental**: India (Maharashtra), Pakistan. **Palaeartic**: Algeria, Egypt, Iran, Israel, Saudi Arabia.

elongata

Exoprosopa elongata Ricardo, 1901: 98. TYPE LOCALITY: South Africa (Gauteng & Northern Cape) [2S in BMNH*].

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

eluta

Exoprosopa eluta Loew, 1860a: 92 [1860b: 299; 1860c: 227]. TYPE LOCALITY: “Caffraria” [= South Africa (Eastern Cape)] [H in NHRS].

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

empidiformis

Exoprosopa empidiformis Lindner, 1975: 12. TYPE LOCALITY: Iran [H in SMNS].

DISTRIBUTION: **Palaeartic**: Iran.

enigma

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

DISTRIBUTION: **Afrotropical**: Namibia.

eremita

Exoprosopa eremita Osten Sacken, 1877: 236. TYPE LOCALITY: USA (California) [1S in AMNH*; 1S in MCZ*].

Exoprosopa grata Coquillett, 1892b: 124. TYPE LOCALITY: USA (California & Washington) [3S in USNM*].

DISTRIBUTION: **Nearctic**: Mexico (Baja California Sur, Tiburon I), USA (Arizona, California, Colorado, Idaho, Montana, Nevada, Oregon, South Dakota,

Utah, Washington, Wyoming).

eritreae

Exoprosopa eritreae Greathead, 1967: 274. TYPE LOCALITY: Eritrea [H in BMNH*].
DISTRIBUTION: **Afrotropical**: Chad, Eritrea, Somalia. **Palaeartic**: Saudi Arabia.

erronea

Exoprosopa erronea Bezzi, 1924a: 354. TYPE LOCALITY: “N. Nyasa” [= Malawi] [H in BMNH*].
DISTRIBUTION: **Afrotropical**: Malawi, Tanzania.

exigua

Exoprosopa exigua Macquart, 1855: 88(68). TYPE LOCALITY: “cap de Bonne-Espérance” [= South Africa (Western Cape)] [2S in BMNH*].
tenuis, incorrect original spelling of *exigua* [Macquart, 1855: 149(129), pl. 3, fig. 1].
DISTRIBUTION: **Afrotropical**: South Africa (Western Cape).

fasciata

Exoprosopa fasciata Macquart, 1840: 51 [1841: 329]. TYPE LOCALITY: “Dans les différents États unis de l’Amérique septentrionale” [2S in MNHN*].
Exoprosopa rubiginosa Macquart, 1840: 51 [1841:329]. TYPE LOCALITY: USA (Pennsylvania) [H in BMNH*].
Exoprosopa longirostris Macquart, 1850: 412(108). TYPE LOCALITY: “Virginie” [= USA (Virginia or West Virginia)] [2S in BMNH*].
Mulio americana Wulp, 1867: 141. TYPE LOCALITY: “Noord-America” [= USA (Wisconsin)] [H in RMNH].
Mulio dubius Say in Johnson, 1925: 72. [Unavailable; name proposed in synonymy with *Exoprosopa fasciata* Macquart and not made available before 1961.] [Pre-occupied by Macquart, 1846.]
fasciata, incorrect original spelling of *fasciata* (Macquart, 1840: pl. 17, fig. 6 [1841: pl. 17, fig. 6]).
DISTRIBUTION: **Nearctic**: USA (Connecticut, Florida, Maine, Massachusetts, New Hampshire, New Mexico, Pennsylvania, Virginia, West Virginia, Wisconsin, Wyoming).

fasciolata

Exoprosopa fasciolata Painter in Painter & Painter, 1969: 28. TYPE LOCALITY: Mexico (Morelos) [H in USNM*].
DISTRIBUTION: **Nearctic**: Mexico (Guerrero, Morelos, Veracruz-Llave).

fascipennis

Anthrax fascipennis Say, 1824: 373. TYPE LOCALITY: Canada (Manitoba) [S (destroyed) in ANSP (see Note 25); 7S in NMW].
Exoprosopa philadelphica Macquart, 1840: 52 [1841: 330]. TYPE LOCALITY: USA (Pennsylvania) [T in UNKN (originally in Serville Collection)].
Exoprosopa coniceps Macquart, 1850: 412(108). TYPE LOCALITY: “Virginie” [= USA (Virginia or West Virginia)] [1S in BMNH*].
Exoprosopa melanura Bigot, 1892: 344. TYPE LOCALITY: “Amérique du Nord” [= USA (North or South Carolina) (see Painter & Painter, 1962: 142)] [H in BMNH*].
DISTRIBUTION: **Nearctic**: Canada (Manitoba, Ontario), USA (Alabama, Arkansas, Connecticut, Delaware, Georgia, Illinois, Indiana, Iowa, Kansas, Kentucky, Louisiana, Maryland, Massachusetts, Michigan, Minnesota, Mis-

souri, Nebraska, New York, North Carolina, North Dakota, Ohio, Oklahoma, Pennsylvania, Rhode Island, South Carolina, South Dakota, Tennessee, Texas, Virginia, West Virginia, Wisconsin). **Neotropical:** Cuba.

fastidiosa

Exoprosopa fastidiosa Bezzi, 1921a: 169. TYPE LOCALITY: "S.W. Protectorate" [= Namibia] [H in SAMC].

Exoprosopa fastidiosa Bezzi, 1924a: 291. TYPE LOCALITY: "Nyasaland Protectorate" [= Malawi] [H in BMNH*]. [Preoccupied by Bezzi, 1921.]

DISTRIBUTION: **Afrotropical:** Botswana, Malawi, Namibia.

filia

Exoprosopa filia Osten Sacken, 1886a: 86. TYPE LOCALITY: "Durango" [error, = Mexico (México)] [L designated by Painter & Painter (1962: 139–40) in BMNH*].

DISTRIBUTION: **Nearctic:** Mexico (Jalisco, México, Sinaloa, Sonora).

fissicornis

Exoprosopa fissicornis Bezzi, 1924a: 285, 350. TYPE LOCALITY: Not given [= Kenya (from type specimen label data)] [1S in BMNH*].

DISTRIBUTION: **Afrotropical:** Kenya.

flammea

Exoprosopa flammea Brunetti, 1909a: 466. TYPE LOCALITY: "Bengal" [= India (Bihar)] [H in NZSI].

DISTRIBUTION: **Oriental:** India (Bihar, Kerala), Sri Lanka.

flammicoma

Exoprosopa flammicoma François, 1964a: 309. TYPE LOCALITY: Madagascar [H in MRAC].

DISTRIBUTION: **Afrotropical:** Madagascar.

flavicans

Exoprosopa flavicans Bezzi, 1924a: 269. TYPE LOCALITY: Gambia [H in BMNH*].

DISTRIBUTION: **Afrotropical:** Gambia.

flexuosa

Exoprosopa flexuosus Pal, 1991: 283. TYPE LOCALITY: Pakistan [H in NZSI].

DISTRIBUTION: **Oriental:** Pakistan.

formosula

Exoprosopa formosula Bezzi, 1921a: 151. TYPE LOCALITY: South Africa (Western Cape) [H in SAMC].

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

fuligosa

Exoprosopa fuligosa Painter in Painter & Painter, 1969: 16. TYPE LOCALITY: Mexico (Jalisco) [H in USNM*].

DISTRIBUTION: **Nearctic:** Mexico (Colima, Durango, Guerrero, Jalisco, Michoacán de Ocampo, Morelos, Nayarit, Puebla). **Neotropical:** Mexico (Oaxaca).

fulviops

Exoprosopa fulviops Szilády, 1942: 100. TYPE LOCALITY: Tanzania [H (destroyed) in HNHM (see Note 9)].

DISTRIBUTION: **Afrotropical:** Tanzania.

fumosa

Exoprosopa fumosa Cresson, 1919: 177. TYPE LOCALITY: “Mexico” [H in ANSP].
DISTRIBUTION: **Nearctic**: Mexico, USA (Arizona).

fuscula

Exoprosopa fuscula Bezzi, 1924a: 321. TYPE LOCALITY: Gambia [H in BMNH*].
DISTRIBUTION: **Afrotropical**: Gambia.

gentilis

Exoprosopa gentilis Bezzi, 1924a: 314. TYPE LOCALITY: “Nyasaland Protectorate” [= Malawi] [H in BMNH*].
Exoprosopa argillocosmia Hesse, 1956b: 898. TYPE LOCALITY: South Africa (Western Cape) [H in SAMC].
DISTRIBUTION: **Afrotropical**: Angola, Malawi, Namibia, South Africa (Western Cape), Tanzania.

ghilarovi

Exoprosopa ghilarovi Zaitzev, 1988a: 186. TYPE LOCALITY: Sri Lanka [H in ZIS].
DISTRIBUTION: **Oriental**: Sri Lanka.

glossops

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

goliath

Exoprosopa goliath Bezzi, 1924a: 341. TYPE LOCALITY: “Nyasaland Protectorate” [= Malawi] [8S in BMNH*].
DISTRIBUTION: **Afrotropical**: Malawi.

grandis

Anthrax grandis Pallas in Wiedemann, 1818a: 10. *Nomen nudum*.
Anthrax grandis Wiedemann in Meigen, 1820: 178. TYPE LOCALITY: Portugal & “caspischen Meere” [1S in ZMHB*; 1S in NMW].
Anthrax fasciata Dufour, 1850: 141. TYPE LOCALITY: Spain [H (lost) in MNHN]. [Preoccupied by Meigen, 1804.]
Exoprosopa turcomana Portschnsky, 1887: 183. TYPE LOCALITY: Turkmenistan [S in ZIS].
DISTRIBUTION: **Palearctic**: Afghanistan, Armenia, Azerbaijan, Bosnia-Herzegovina, Bulgaria, Croatia, Cyprus, Egypt, France, Greece (incl. Corfu), Gruzia, Iran, Israel (incl. West Bank), Italy (incl. Sardinia, Sicily), Kazakhstan, Kyrgyz Republic, Libya, Macedonia, Malta, Moldova, Portugal, Russia (SET), Saudi Arabia, Slovenia, Spain, Tajikistan, Tunisia, Turkey, Turkmenistan, United Arab Emirates, Ukraine, Uzbekistan, Yugoslavia.

griqua

Exoprosopa griqua Hesse, 1956b: 865. TYPE LOCALITY: South Africa (Northern Cape) [H in SAMC].
DISTRIBUTION: **Afrotropical**: South Africa (Northern Cape).

guttipennis

Exoprosopa punctipennis Ricardo, 1903: 364. TYPE LOCALITY: Yemen (Socotra) [8S in BMNH*]. [Preoccupied by Macquart, 1850.]
Exoprosopa guttipennis Bezzi, 1924a: 24 (new replacement name for *Exoprosopa punctipennis* Ricardo, 1903).

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

heros

Anthrax heros Wiedemann, 1819a: 8. TYPE LOCALITY: “Prom. bon. sp.” [= South Africa (Western Cape)] [2S in ZMUC; 1S in NMW*; 1S in ZMHB*].

Exoprosopa caffra Macquart, 1840: 48 [1841: 326]. TYPE LOCALITY: “Du Cap” [= South Africa (Western Cape)] [H in MNHN*]. [Preoccupied by Wiedemann, 1821.]

Litorhynchus hamatus Macquart, 1840: 79 [1841: 357]. TYPE LOCALITY: “Du Cap” [= South Africa (Western Cape)] [L designated by Bowden (1975c: 316) in BMNH*].

Exoprosopa alternans Macquart, 1855: 91(71). TYPE LOCALITY: “Océanie, cap des Aiguilles” [= South Africa (Western Cape)] [3S in BMNH*].

Exoprosopa loewiana Bezzi, 1921a: 156. TYPE LOCALITY: “Cap” [= South Africa (Western Cape)] [S in ZMHB]. [Valid by bibliographic reference to Loew, 1860b: 334 [sic! = 234].]

DISTRIBUTION: **Afrotropical**: Botswana, Namibia, South Africa (Eastern Cape, Gauteng, KwaZulu-Natal, Northern Cape, Northern Province, Western Cape), Swaziland, Zimbabwe.

heterocera

Exoprosopa heterocera Bezzi, 1912: 649. TYPE LOCALITY: “North Nyasa” [= Malawi] [H in BMNH*].

DISTRIBUTION: **Afrotropical**: Malawi.

hulli

Exoprosopa hulli Painter, 1930b: 798. TYPE LOCALITY: USA (Mississippi) [H in USNM*].

DISTRIBUTION: **Nearctic**: Mexico (Hidalgo, Tamaulipas, Veracruz-Llave), USA (Arkansas, Mississippi, Missouri, Texas). **Neotropical**: Honduras, Mexico (Chiapas, Oaxaca, Tabasco, Yucatán).

hyalipennis

Exoprosopa hyalipennis Cole, 1923: 290. TYPE LOCALITY: Mexico (Baja California Norte) [H in CAS].

hyalinipennis, incorrect original spelling of *hyalipennis* (Cole, 1923: fig. 13).

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

hyalodisca

Exoprosopa hyalodisca Bezzi, 1923b: 334. TYPE LOCALITY: “Kenya Protectorate” [= Kenya] [H in MNHN].

DISTRIBUTION: **Afrotropical**: Kenya.

hyaloptera

Exoprosopa hyaloptera Hesse, 1956b: 890. TYPE LOCALITY: “Southern Rhodesia” [= Zimbabwe] [H in SAMC].

DISTRIBUTION: **Afrotropical**: Zimbabwe.

hypargyra

Exoprosopa hypargyra Bezzi, 1921a: 169. TYPE LOCALITY: “S.W. Protectorate” [= Namibia] [H in SAMC].

DISTRIBUTION: **Afrotropical**: Angola, Namibia.

hypargyroides

Exoprosopa hypargyroides Hesse, 1956b: 813. TYPE LOCALITY: South Africa (Western Cape) [H in SAMC].

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

hypomelaena

Exoprosopa hypomelaena Bezzi, 1912: 651. TYPE LOCALITY: “West Nyasa” [= Malawi] [H in BMNH*].

DISTRIBUTION: **Afrotropical**: Malawi.

ignifera

Anthrax ignifera Walker, 1849: 243. TYPE LOCALITY: Jamaica [2S in BMNH*].

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

inaequalipes

Exoprosopa inaequalipes Loew, 1852: 659 [in Peters, 1862: 11]. TYPE LOCALITY: Mozambique [2S in ZMHB*].

Exoprosopa hirtipes Loew, 1860a: 93 [1860b: 305; 1860c: 233]. TYPE LOCALITY: “Caffraria” [= South Africa (Eastern Cape)] [H in NHRS].

Exoprosopa poeciloptera Bezzi, 1924a: 333. TYPE LOCALITY: “Nyasaland” [= Malawi] [H in BMNH*].

DISTRIBUTION: **Afrotropical**: Malawi, Mozambique, South Africa (Eastern Cape, KwaZulu-Natal), Tanzania.

indecisa

Anthrax indecisa Walker, 1849: 250. TYPE LOCALITY: “South Africa” [H in BMNH*].

DISTRIBUTION: **Afrotropical**: South Africa.

infumata

Exoprosopa infumata Bezzi, 1921a: 155. TYPE LOCALITY: Zimbabwe [H in SAMC].

Exoprosopa infumata Bezzi, 1924a: 295]. TYPE LOCALITY: “N.-W. Rhodesia” [= Zambia] [10S in BMNH*]. [Preoccupied by Bezzi, 1921.]

DISTRIBUTION: **Afrotropical**: Malawi, Mozambique, Tanzania, South Africa (Northern Province), Zambia, Zimbabwe.

ingens

Exoprosopa ingens Cresson, 1919: 178. TYPE LOCALITY: USA (Arizona) [H in ANSP].

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

inornata

Exoprosopa inornata Loew, 1860a: 94 [1860b: 312; 1860c: 240]. TYPE LOCALITY: “Caffraria” [= South Africa (Eastern Cape)] [H in NHRS].

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

insignifera

Anthrax insignifera Walker, 1852: 173. TYPE LOCALITY: Not given [= unknown] [T in UNKN]. [Preoccupied by Walker, 1849.]

Exoprosopa insignifera Evenhuis & Greathead, 1999: 364 (new replacement name for *Anthrax insignifera* Walker, 1852).

DISTRIBUTION: **Patria Ignota**: Unknown.

interrupta

Anthrax interrupta Wiedemann, 1828: 273. TYPE LOCALITY: “Brasilien” [= Brazil or Uruguay] [1S in SMFD; 6S in NMW; 3S in ZMHB*].

DISTRIBUTION: **Neotropical**: Brazil (São Paulo).

iota

Exoprosopa iota Osten Sacken, 1886a: 82. TYPE LOCALITY: Mexico (Puebla) [L designated by Painter & Painter (1962: 141) in BMNH*].

DISTRIBUTION: **Nearctic**: Mexico (Baja California Norte, Baja California Sur, Morelos, Nuevo León, Puebla, Sonora, Tamaulipas, Tiburon I), USA (Arkansas, California, Kansas, Texas).

italica

Biblio italica Rossi, 1794: 59. TYPE LOCALITY: Italy [H in ZMHB*].

DISTRIBUTION: **Palaearctic**: France (Corsica), Italy, Portugal, Spain.

jacchus

Anthrax jacchus Fabricius, 1805: 123, 373. TYPE LOCALITY: "Italia" [1S in ZMUC].

Anthrax picta Wiedemann in Meigen, 1820: 171. TYPE LOCALITY: "Spalatro in Dalmatien" [= Croatia] [T in UNKN (originally in Germar Collection)].

Exoprosopa jacchus var. *quadripunctata* Paramonov, 1928a: 237(59). TYPE LOCALITY: Not given [= Europe] [S (lost) in SIZK].

jocchus, incorrect original spelling of *jacchus* (Fabricius, 1805: 123).

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

jonesi

Exoprosopa jonesi Cresson, 1919: 178. TYPE LOCALITY: USA (California) [H in ANSP].

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

jubatipes

Exoprosopa jubatipes Hesse, 1956b: 812. TYPE LOCALITY: South Africa (Western Cape) [H in SAMC].

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

junta

Exoprosopa junta Curran, 1930b: 9. TYPE LOCALITY: USA (Colorado) [H in AMNH*].

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

khuzistanica

Exoprosopa aberrans ssp. *khuzistanica* Lindner, 1975: 14. TYPE LOCALITY: Iran [8S in SMNS].

DISTRIBUTION: **Palaearctic**: Iran.

latelimbata

Exoprosopa latelimbata Bigot, 1892: 346. TYPE LOCALITY: "Australie" [H in BMNH*].

DISTRIBUTION: **Australasian/Oceanian**: Australia.

latifrons

Exoprosopa latifrons Bezzi, 1924a: 327. TYPE LOCALITY: Nigeria [H in BMNH*].

DISTRIBUTION: **Afrotropical**: Gambia, Ghana, Ivory Coast, Mauritania, Nigeria.

latissima

Exoprosopa latissima Bezzi, 1924a: 358. TYPE LOCALITY: "Nyasaland" [= Malawi] [H in BMNH*].

DISTRIBUTION: **Afrotropical**: Malawi.

leon

Exoprosopa leon Painter in Painter & Painter, 1969: 18. TYPE LOCALITY: Mexico (Oa-

xaca) [H in USNM*].

DISTRIBUTION: **Nearctic:** Mexico (Puebla). **Neotropical:** Mexico (Oaxaca).

lepida

Exoprosopa lepida Painter in Painter & Painter, 1969: 29. TYPE LOCALITY: Mexico (Morelos) [H in USNM*].

DISTRIBUTION: **Nearctic:** Mexico (Morelos).

leucepepla

Exoprosopa leucepepla Bowden, 1964a: 142. TYPE LOCALITY: Nigeria [H in JB].

DISTRIBUTION: **Afrotropical:** Chad, Gambia, Ghana, Niger, Nigeria, Senegal.

linearis

Exoprosopa linearis Bezzi, 1924a: 339. TYPE LOCALITY: Yemen [3S in BMNH*].

DISTRIBUTION: **Afrotropical:** Eritrea, Yemen. **Palaeartic:** Oman.

litoralis

Exoprosopa heros f. *litoralis* Hesse, 1956b: 825. TYPE LOCALITY: South Africa (Northern Cape) [2S in NMSA*; 1S in BPBM*; 39S in SAMC*].

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

litorrhynchoides

Exoprosopa litorrhynchoides François, 1962b: 425. TYPE LOCALITY: Burundi [H in KBIN*].

DISTRIBUTION: **Afrotropical:** Burundi, Tanzania.

louisae

Exoprosopa louisae François, 1962b: 429. TYPE LOCALITY: Burundi [H in KBIN*].

DISTRIBUTION: **Afrotropical:** Burundi, Kenya, Somalia, Tanzania, Uganda.

lucidifrons

Exoprosopa lucidifrons Becker & Stein, 1912: 604. *Nomen nudum*.

Exoprosopa lucidifrons Becker in Becker & Stein, 1913a: 568. TYPE LOCALITY: Iran [H in ZIS].

DISTRIBUTION: **Palaeartic:** Iran.

luctifera

Exoprosopa luctifera Bezzi, 1912: 642. TYPE LOCALITY: “West Nyasa” [= Malawi] [H in BMNH*].

DISTRIBUTION: **Afrotropical:** Malawi.

lugens

Exoprosopa lugens Paramonov, 1928a: 241(63). TYPE LOCALITY: Turkmenistan [H in SIZK].

DISTRIBUTION: **Palaeartic:** Afghanistan, Armenia, Azerbaijan, Gruzia, Iran, Tajikistan, Turkmenistan.

lunulata

Exoprosopa lunulata Bowden, 1964a: 130. TYPE LOCALITY: “Ashanti” [= Ghana] [H in JB].

DISTRIBUTION: **Afrotropical:** Ghana, Ivory Coast, Nigeria.

luteicincta

Exoprosopa luteicincta Hesse, 1956b: 878. TYPE LOCALITY: “Portuguese East Africa” [= Mozambique] [2S in SAMC].

DISTRIBUTION: **Afrotropical:** Mozambique.

luteicosta

Exoprosopa luteicosta Bezzi, 1921a: 161. TYPE LOCALITY: “Ovamboland” [= Namibia] & South Africa (Eastern Cape) [1S in NMSA*; 2S in SAMC].

Exoprosopa albonigra Bezzi, 1924a: 349. TYPE LOCALITY: “Nyasaland” [= Malawi] & “Portuguese East Africa” [= Mozambique] [6S in BMNH*].

Exoprosopa saskae Szilády, 1942: 100. TYPE LOCALITY: Tanzania [H (destroyed) in HNHM (see Note 9)].

DISTRIBUTION: **Afrotropical**: Angola, Botswana, Congo, Ethiopia, Kenya, Malawi, Mozambique, Namibia, Somalia, South Africa (Eastern Cape, Gauteng), Tanzania, Uganda, Zambia, Zimbabwe.

luteocera

Exoprosopa luteocera Hesse, 1956b: 879. TYPE LOCALITY: South Africa (Mpumalanga) [H in SAMC].

DISTRIBUTION: **Afrotropical**: Botswana, South Africa (Mpumalanga), Zambia.

lutzi

Exoprosopa lutzi Curran, 1930b: 5. TYPE LOCALITY: USA (Arizona) [H in AMNH*].

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

mackieae

Exoprosopa ancilla var. *mackieae* Paramonov, 1955a: 61. TYPE LOCALITY: Congo [H in BMNH*].

DISTRIBUTION: **Afrotropical**: Congo.

madagascariensis

Exoprosopa madagascariensis Macquart, 1850: 410(106). TYPE LOCALITY: Madagascar [H in BMNH*].

DISTRIBUTION: **Afrotropical**: Madagascar.

maenas

Exoprosopa maenas Loew, 1869b: 209. TYPE LOCALITY: Not given [= Syria (from type specimen label data)] [H in ZMHB*].

DISTRIBUTION: **Palaearctic**: Syria, Turkey.

magnipennis

Exoprosopa magnipennis Bezzi, 1924a: 344. TYPE LOCALITY: “Kenya Colony” [= Kenya] [H in BMNH*].

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

major

Exoprosopa major Ricardo, 1901: 100. TYPE LOCALITY: “Nyasaland” [= Malawi] [H in BMNH*].

DISTRIBUTION: **Afrotropical**: Malawi, Mozambique, South Africa (KwaZulu-Natal), Tanzania.

majuscula

Exoprosopa majuscula Hesse, 1956b: 871. TYPE LOCALITY: South Africa (Western Cape) [H in SAMC].

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

mara

Anthrax mara Walker, 1849: 239. TYPE LOCALITY: “Congo” [H in BMNH*].

DISTRIBUTION: **Afrotropical**: Cameroon, “Congo”.

marginicollis

Anthrax marginicollis Gray in Griffith & Pidgeon, 1832: 780. TYPE LOCALITY: Not given [probably = Australia (Queensland)] [3S in UMO*].

DISTRIBUTION: **Australasian/Oceanian**: Australia (Queensland).

marleyi

Exoprosopa marleyi Hesse, 1956b: 885. TYPE LOCALITY: “South-West Africa” [= Namibia] [H in SAMC].

DISTRIBUTION: **Afrotropical**: Namibia.

masienensis

Exoprosopa masienensis Hesse, 1950: 29. TYPE LOCALITY: “Portuguese East Africa” [= Mozambique] [7S in SAMC].

DISTRIBUTION: **Afrotropical**: Mozambique, South Africa (KwaZulu-Natal).

megaera

Anthrax megaera Wiedemann in Meigen, 1820: 172. TYPE LOCALITY: Portugal [2S in ZMHB*].

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

meigenii

Anthrax meigenii Wiedemann, 1828: 278. TYPE LOCALITY: “Vaterland?” [= Nearctic] [H in NMW].

Exoprosopa emarginata Macquart, 1840: 51 [1841: 329]. TYPE LOCALITY: USA (Pennsylvania) [5S in BMNH*].

DISTRIBUTION: **Nearctic**: USA (Florida, Georgia, Kansas, New Jersey, Pennsylvania, Texas).

melaena

Exoprosopa melaena Loew, 1874: 416. TYPE LOCALITY: Iran [S in ZIS; 1S in ZMHB*].

Exoprosopa melaena var. *abbreviata* Paramonov, 1928a: 245(67). TYPE LOCALITY: “Persien” [= Iran] [S (lost) in SIZK].

DISTRIBUTION: **Palaeartic**: Afghanistan, Armenia, Azerbaijan, China, Greece (Corfu), Iran, Kyrgyz Republic, Russia (SET), Tajikistan, Turkey, Turkmenistan, Uzbekistan.

melanaspis

Exoprosopa melanaspis Bezzi, 1924a: 316. TYPE LOCALITY: Madagascar [3S in BMNH*].

DISTRIBUTION: **Afrotropical**: Madagascar.

melanozona

Exoprosopa melanozona Hesse, 1956b: 755. TYPE LOCALITY: “Southern Rhodesia” [= Zimbabwe] [1S in BMNH*; 1S in NMBZ; 1S in NMSA*; 3S in SAMC].

DISTRIBUTION: **Afrotropical**: Zimbabwe.

melanthia

Exoprosopa heros f. *melanthia* Hesse, 1956b: 826. TYPE LOCALITY: “Southern Rhodesia” [= Zimbabwe] [H in NMBZ].

DISTRIBUTION: **Afrotropical**: South Africa (Mpumalanga), Zimbabwe.

metapleuralis

Exoprosopa luteicosta var. *metapleuralis* Hesse, 1956b: 871. TYPE LOCALITY: South Africa (KwaZulu-Natal) [H in SAMC].

DISTRIBUTION: **Afrotropical**: Mozambique, South Africa (KwaZulu-Natal).

metopargyra

Exoprosopa metopargyra Hesse, 1956b: 859. TYPE LOCALITY: South Africa (North-West Province) [2S in SAMC].

DISTRIBUTION: **Afrotropical**: South Africa (North-West Province).

mimetica

Exoprosopa mimetica Hesse, 1956b: 813. TYPE LOCALITY: “Basutoland” [= Lesotho] [H in SAMC].

DISTRIBUTION: **Afrotropical**: Lesotho.

minoana

Exoprosopa minoana Paramonov, 1928a: 247(69). TYPE LOCALITY: Egypt [H (destroyed) in PPDD (see Note 4)].

DISTRIBUTION: **Palaearctic**: Egypt.

minoides

Exoprosopa minoides Paramonov, 1928a: 247(69). TYPE LOCALITY: Armenia [2S in SIZK].

DISTRIBUTION: **Palaearctic**: Armenia, Iran, Turkey.

minois

Exoprosopa minois Loew, 1869b: 221. TYPE LOCALITY: Greece (Rhodes & Leros) & “Kleinasien” [= Turkey] [1S in UMO*; 12S in ZMHB*].

Exoprosopa semiflavida Becker, 1906e: 274. TYPE LOCALITY: “Ain-el-Ibel” [= Algeria] [H (lost?) in SMNS].

DISTRIBUTION: **Palaearctic**: Afghanistan, Algeria, Armenia, Azerbaijan, Croatia, Greece (incl. Leros, Lesbos, Rhodes, Santorini), Gruzia, Iran, Israel, Italy (incl. Sicily), Macedonia, Syria, Turkey, Turkmenistan, Yugoslavia.

minos

Anthrax minos Meigen, 1804: 207. TYPE LOCALITY: France [4S in MNHN*].

Anthrax semialba Pallas & Wiedemann in Wiedemann, 1818a: 14. TYPE LOCALITY: “In australioribus deserti caspici ad Irtin” [= Kazakhstan (see Pont, 1995: 150)] [T in NMW (see Note 20)].

Nemotelus sideratus Pallas in Wiedemann, 1818a: 14. [Unavailable name; proposed in synonymy with *Anthrax semialba* Pallas & Wiedemann and not made available before 1961.]

Anthrax germari Wiedemann, 1818a: 14. *Nomen nudum*.

Nemotelus quadricinctus Pallas in Wiedemann, 1818a: 14. *Nomen nudum*.

Anthrax germari Wiedemann in Meigen, 1820: 175. TYPE LOCALITY: “Spalatro in Dalmatien” [= Croatia] & “Südrussland” [= Russia (SET) (see Pont, 1995: 150)] [10S in ZMHB*; S in NMW].

Anthrax senilis Klug, 1832: pl. 30, fig. 10. TYPE LOCALITY: “Syria” [= Lebanon (see Baker, 1997: 194)] [2S in ZMHB*].

Exoprosopa albiventris Macquart, 1840: 39 [1841: 317]. TYPE LOCALITY: “Scio” [= Greece (Chios)] [3S in MNHN*].

DISTRIBUTION: **Palaearctic**: Algeria, Armenia, Austria, Azerbaijan, Croatia, Czech Republic, Egypt, France, Germany, Greece (incl. Chios, Rhodes), Gruzia, Hungary, Iran, Israel (incl. West Bank), Italy (incl. Sardinia, Sicily), Kazakhstan, Kyrgyz Republic, Lebanon, Libya, Moldova, Morocco, Poland, Romania, Russia (SET), Slovakia, Spain, Syria, Tajikistan, Tunisia, Turkey, Turkmenistan, Ukraine, Uzbekistan.

minuscula

Exoprosopa minuscula Painter in Painter & Painter, 1969: 31. TYPE LOCALITY: Mexico (Chiapas) [H in USNM*].

DISTRIBUTION: **Nearctic:** Mexico (Morelos). **Neotropical:** Mexico (Chiapas).

mira

Exoprosopa mira Hesse, 1936: 181. TYPE LOCALITY: Botswana [2S in NMSA*].

DISTRIBUTION: **Afrotropical:** Botswana, Namibia.

mongolica

Exoprosopa mongolica Paramonov, 1928a: 250(72). TYPE LOCALITY: China (Nei Monggol) [H in ZIS; L designated by Zaitzev & Kandybina (1983: 29) invalid].

DISTRIBUTION: **Palaearctic:** China (Nei Monggol, Xizang), Mongolia.

monticola

Exoprosopa monticola Hesse, 1956b: 828. TYPE LOCALITY: South Africa (Western Cape) [1S in BMNH*; 1S in MZLU; 1S in BPBM*; 60S in SAMC*].

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

morosa

Exoprosopa morosa Loew, 1860a: 92 [1860b: 304; 1860c: 232]. TYPE LOCALITY: “Caffraria” [= South Africa (Eastern Cape)] [1S in ZMHB*; 1S in NHRS].

Exoprosopa dilatata Bezzi, 1921a: 157. TYPE LOCALITY: South Africa (KwaZulu-Natal & Eastern Cape & Free State & Western Cape) [S in SAMC].

DISTRIBUTION: **Afrotropical:** Mozambique, South Africa (Eastern Cape, Free State, KwaZulu-Natal, Western Cape).

mozambica

Exoprosopa mozambica Hesse, 1956b: 788. TYPE LOCALITY: “Portuguese East Africa” [= Mozambique] [29S in SAMC*; 2S in NMBZ; 1S in BPBM*].

DISTRIBUTION: **Afrotropical:** Mozambique, South Africa (KwaZulu-Natal).

munda

Exoprosopa munda Loew, 1869b: 206. TYPE LOCALITY: Italy (Sicily) [H in ZMHB*].

DISTRIBUTION: **Palaearctic:** Algeria, Italy (incl. Sicily), Spain, Tunisia.

mus

Exoprosopa mus Curran, 1930b: 7. TYPE LOCALITY: Mexico (Guerrero) [H in AMNH*].

DISTRIBUTION: **Nearctic:** Mexico (Guerrero, Morelos, Puebla, Sinaloa). **Neotropical:** Mexico (Oaxaca).

nebulosa

Exoprosopa nebulosa Hesse, 1956b: 832. TYPE LOCALITY: “South-West Africa” [= Namibia] [2S in SAMC].

DISTRIBUTION: **Afrotropical:** Namibia.

nemesis

Anthrax nemesis Fabricius, 1805: 121. TYPE LOCALITY: “Guinea” [error, not West African] [2S in ZMUC].

Anthrax nox Walker, 1849: 250. TYPE LOCALITY: “South Africa” [H in BMNH*].

DISTRIBUTION: **Afrotropical:** Botswana, Congo, Ethiopia, Kenya, Namibia, South Africa (Eastern Cape, Western Cape), Swaziland, Tanzania, Zambia, Zimbabwe. **Palaearctic:** Saudi Arabia.

nigrifera

Exoprosopa nigrifera Walker, 1871a: 261. TYPE LOCALITY: Egypt [T (lost) in BMNH (see Waterhouse, 1906: 598)].

DISTRIBUTION: **Palaeartic**: Egypt.

nigrifimbriata

Exoprosopa nigrifimbriata Hesse, 1956b: 890. TYPE LOCALITY: "Southern Rhodesia" [= Zimbabwe] [H in SAMC].

DISTRIBUTION: **Afrotropical**: Eritrea, Yemen, Zimbabwe. **Palaeartic**: Saudi Arabia.

nigrina

Exoprosopa nigrina Bezzi, 1924a: 317. TYPE LOCALITY: "N.-W. Rhodesia" [= Zambia] [H in BMNH*].

DISTRIBUTION: **Afrotropical**: Zambia.

nigrispina

Exoprosopa nigrispina Bezzi, 1924a: 317. TYPE LOCALITY: Madagascar [H in BMNH*].

DISTRIBUTION: **Afrotropical**: Madagascar.

nigritella

Exoprosopa nigritella Bezzi, 1924a: 304. TYPE LOCALITY: "Nyasaland" [= Malawi] [4S in BMNH*; 1S in MSNM].

DISTRIBUTION: **Afrotropical**: Malawi.

nigroventris

Exoprosopa nigroventris Painter in Painter & Painter, 1969: 32. TYPE LOCALITY: Nicaragua [H in USNM*].

DISTRIBUTION: **Neotropical**: Costa Rica, Mexico (Chiapas, Oaxaca), Nicaragua.

niveiventris

Exoprosopa niveiventris Brunetti, 1909b: 214. TYPE LOCALITY: India (West Bengal) [2S in NZSI].

DISTRIBUTION: **Oriental**: India (Karnataka, West Bengal), Sri Lanka.

noctula

Anthrax noctula Wiedemann, 1830: 635. TYPE LOCALITY: "Nordamerika" [L designated by Painter & Painter (1962: 143) in NMW].

DISTRIBUTION: **Nearctic**: "Nordamerika".

nonna

Exoprosopa nonna Becker & Stein, 1912: 604. *Nomen nudum*.

Exoprosopa nonna Becker in Becker & Stein, 1913a: 564. TYPE LOCALITY: Iran [H in ZIS].

DISTRIBUTION: **Palaeartic**: Iran.

nova

Exoprosopa nova Ricardo, 1910a: 101. TYPE LOCALITY: "Nyasaland" [= Malawi] [2S in BMNH*].

DISTRIBUTION: **Afrotropical**: Malawi, Mozambique, South Africa (KwaZulu-Natal), Tanzania.

novaeformis,

Exoprosopa albata var. *novaeformis* Bezzi, 1924a: 323. TYPE LOCALITY: "Portuguese East Africa" [= Mozambique] [4S in BMNH*].

DISTRIBUTION: **Afrotropical**: Mozambique.

nubifera

Exoprosopa nubifera Loew, 1869c: 16 [1872c: 130]. TYPE LOCALITY: Cuba [L designated by Evenhuis (1982b: 14) in MCZ*].

DISTRIBUTION: **Neotropical**: Bahamas, Cuba.

nuragasana

Exoprosopa nuragasana Hesse, 1956b: 793. TYPE LOCALITY: “South-West Africa” [= Namibia] [8S in SAMC*; 1S in BPBM*].

DISTRIBUTION: **Afrotropical**: Namibia.

obliquefasciata

Exoprosopa obliquefasciata Macquart, 1850: 411(107). TYPE LOCALITY: “Tasmanie” [error, = Australia (NSW) (see Hardy, 1929: 61)] [H in BMNH*].

obliquefasciata, error for *obliquebifasciata*.

DISTRIBUTION: **Australasian/Oceanian**: Australia (NSW, WA).

obscurinotata

Exoprosopa obscurinotata Hesse, 1956b: 849. TYPE LOCALITY: South Africa (Eastern Cape) [H in NMSA*].

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

obtusa

Exoprosopa obtusa Bezzi, 1924a: 297. TYPE LOCALITY: South Africa (Gauteng) & “N. Rhodesia” [= Zambia] [2S in BMNH*].

DISTRIBUTION: **Afrotropical**: South Africa (Gauteng), Zambia.

ogilviei

Exoprosopa ogilviei Hesse, 1956b: 865. TYPE LOCALITY: South Africa (Gauteng) [H in BMNH*].

DISTRIBUTION: **Afrotropical**: South Africa (Gauteng).

onusta

Anthrax onusta Walker, 1852: 170. TYPE LOCALITY: “Nicopolis?” [= Bulgaria] [H in BMNH*].

Exoprosopa truquii Rondani, 1863: 59 [1864: 59]. TYPE LOCALITY: Cyprus [S in MRSN].

DISTRIBUTION: **Afrotropical**: Yemen. **Palaeartic**: Bulgaria, Cyprus, Greece (Lesbos), Israel, Saudi Arabia, Syria, Turkey.

orientalis

Exoprosopa tricolor ssp. *orientalis* Bezzi, 1924a: 313. TYPE LOCALITY: “Kenya Colony” [= Kenya] [H in BMNH*].

DISTRIBUTION: **Afrotropical**: Kenya, Somalia, Uganda.

ovamboana

Exoprosopa ovamboana Hesse, 1956b: 857. TYPE LOCALITY: “South-West Africa” [= Namibia] [H in SAMC].

DISTRIBUTION: **Afrotropical**: Namibia.

painterorum

Exoprosopa cingulata Johnson & Johnson, 1958: 76. TYPE LOCALITY: USA (California) [H in BYU]. [Preoccupied by Wulp, 1885.]

Exoprosopa painterorum Johnson & Johnson, 1959b: 74 (new replacement name for *Exoprosopa cingulata* Johnson & Johnson, 1958).

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

pallasii

Anthrax pallasii Wiedemann, 1818a: 10. TYPE LOCALITY: “. . . mare Caspium” [= Russia (SET) (see Pont, 1995: 150)] “et ad Rhymnum” [= Russia (SET) or Kazakhstan] [1S in NMW*].

Nemotelus aethiops Pallas in Wiedemann, 1818a: 10, 16. [Unavailable; name proposed in synonymy with *Anthrax pallasii* Wiedemann and not made available before 1961.]

Anthrax punctata Hoffmanssegg in Wiedemann, 1818a: 11. [Unavailable; name proposed in synonymy and not made available before 1961.]

Anthrax rhymnica Eversmann, 1855: 203. TYPE LOCALITY: “Steppen am südlichen Uralfluß” [= Kazakhstan] [H in ZIS].

Exoprosopa dyonisi Bigot, 1860: viii. *Nomen nudum*.

Exoprosopa dyonisi Bigot, 1861: 772. TYPE LOCALITY: Italy (Sicily) [4S in UMO*].

Exoprosopa dionysii Kertész, 1909: 18 (unjustified emendation of *Exoprosopa dyonisi* Bigot, 1861).

dionisi, incorrect original spelling of *dyonisi* (Bigot, 1861: 766).

DISTRIBUTION: **Palaeartic**: Greece, Italy (incl. Sicily), Kazakhstan, Kyrgyz Republic, Mongolia, Russia (SET), Tajikistan, Turkmenistan, Uzbekistan, Yugoslavia.

pallida

Exoprosopa pallida Bezzi, 1924a: 329. TYPE LOCALITY: “Nyasaland Protectorate” [= Malawi] [H in BMNH*].

DISTRIBUTION: **Afrotropical**: Malawi.

pallidifacies

Exoprosopa pallidifacies Hesse, 1956b: 886. TYPE LOCALITY: “Southern Rhodesia” [= Zimbabwe] [H in SAMC].

DISTRIBUTION: **Afrotropical**: Zimbabwe.

pallidipes

Exoprosopa pallidipes Hesse, 1956b: 812. TYPE LOCALITY: South Africa (Eastern Cape) [H in NMSA*].

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

pallidisetigera

Exoprosopa pallidisetigera Austen, 1937: 177. TYPE LOCALITY: Israel (West Bank) [H in BMNH*].

DISTRIBUTION: **Palaeartic**: Israel (West Bank).

palustris

Exoprosopa palustris Bezzi, 1924a: 320. TYPE LOCALITY: Uganda [4S in BMNH*].

DISTRIBUTION: **Afrotropical**: Malawi, Tanzania, Uganda.

panamensis

Exoprosopa panamensis Curran, 1930b: 9. TYPE LOCALITY: Panama [H in AMNH*].

DISTRIBUTION: **Neotropical**: Brazil (Mato Grosso), Colombia, Panama.

pandora

Anthrax pandora Fabricius, 1805: 121. TYPE LOCALITY: “Algiriae” [= Algeria or Morocco] [2S in ZMUC].

Nemotelus fenestratus Pallas in Wiedemann, 1818a: 12. [Unavailable; name proposed in synonymy with *Anthrax pandora* Fabricius and not made available before 1961.]

DISTRIBUTION: **Palaearctic**: Algeria, Croatia, Greece (incl. Corfu, Crete, Ithaca, Lesbos, Rhodes, Zakynthos), Gruzia, Hungary, Israel (incl. West Bank), Libya, Macedonia, Morocco, Tunisia, Turkey, Yugoslavia.

parda

Exoprosopa parda Osten Sacken, 1886a: 88. TYPE LOCALITY: Mexico (Sonora) [L designated by Painter & Painter (1962: 147) in BMNH*].

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

parvula

Exoprosopa parva Ricardo, 1901: 94. TYPE LOCALITY: South Africa (Gauteng) [2S in BMNH*]. [Preoccupied by Loew, 1869.]

Exoprosopa parvula Bezzi, 1921a: 159 [1924a: 282] (new replacement name for *Exoprosopa parva* Ricardo, 1901).

DISTRIBUTION: **Afrotropical**: Namibia, South Africa (Eastern Cape, Gauteng, KwaZulu-Natal), Swaziland, Zimbabwe.

paucispina

Exoprosopa paucispina Hesse, 1956b: 863. TYPE LOCALITY: South Africa (Northern Province) [H in NMSA*].

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

pauper

Exoprosopa pauper Walker, 1871a: 261. TYPE LOCALITY: Somalia [T (lost) in BMNH (see Waterhouse, 1906: 598)].

DISTRIBUTION: **Afrotropical**: Somalia.

pavida

Exoprosopa pavida Williston, 1901a: 270 (key only) [1901b: 273]. TYPE LOCALITY: Mexico (Guerrero) [L designated by Painter & Painter (1962: 148) in BMNH*].

DISTRIBUTION: **Nearctic**: Mexico (Guerrero, Puebla). **Neotropical**: Mexico (Oaxaca).

pectoralis

Exoprosopa pectoralis Loew, 1862a: 78. TYPE LOCALITY: Cyprus & Greece [1S in ZMHB*].

DISTRIBUTION: **Palaearctic**: Afghanistan, Armenia, Azerbaijan, Cyprus, Egypt, Greece, Gruzia, Iran, Israel, Italy, Kyrgyz Republic, Lebanon, Syria, Tajikistan, Turkey, Turkmenistan, Uzbekistan, Yugoslavia.

pelurga

Exoprosopa pelurga Bowden, 1964a: 141. TYPE LOCALITY: Ghana [H in JB].

DISTRIBUTION: **Afrotropical**: Ghana, Guinea-Bissau, Nigeria.

penthoptera

Exoprosopa penthoptera Bezzi, 1912: 648. TYPE LOCALITY: “North Nyasa” [= Malawi] [2S in BMNH*].

DISTRIBUTION: **Afrotropical**: Malawi.

perpulchra

Exoprosopa perpulchra Bezzi, 1921a: 159. TYPE LOCALITY: “S. Rhodesia” [= Zimbabwe] [3S in MSNM; S in SAMC].

Exoprosopa perpulchra Bezzi, 1924a: 310. TYPE LOCALITY: “Nyasaland Protectorate” [= Malawi] [2S in BMNH*]. [Preoccupied by Bezzi, 1921.]

DISTRIBUTION: **Afrotropical**: Malawi, Namibia, Zimbabwe.

pharaonis

Exoprosopa pharaonis Paramonov, 1928a: 260(82). TYPE LOCALITY: Egypt [3S (destroyed) in PPDD (see Note 4)].

DISTRIBUTION: **Afrotropical**: Mali, Sudan. **Palaearctic**: Egypt, Oman, Saudi Arabia, Tunisia.

pictilipennis

Exoprosopa pictilipennis Austen, 1936: 201. TYPE LOCALITY: Algeria [H in BMNH*].

DISTRIBUTION: **Palaearctic**: Algeria.

pleroxantha

Exoprosopa pleroxantha Hesse, 1936: 183. TYPE LOCALITY: Botswana [1S in BMNH*; S (lost) in MSNM].

DISTRIBUTION: **Afrotropical**: Botswana, Namibia.

pleskei

Exoprosopa pleskei Paramonov, 1928a: 261(83). TYPE LOCALITY: Uzbekistan [H in ZIS].

Exoprosopa transcaucasica Paramonov, 1928a: 278(100). TYPE LOCALITY: Armenia [2S in SIZK].

DISTRIBUTION: **Palaearctic**: Afghanistan, Armenia, Azerbaijan, Gruzia, Iran, Moldova, Russia (SET), Tajikistan, Turkmenistan, Ukraine, Uzbekistan.

porricella

Exoprosopa porricella Hesse, 1956b: 867. TYPE LOCALITY: South Africa (Gauteng) [H in NMSA*].

DISTRIBUTION: **Afrotropical**: South Africa (Gauteng).

portshinskiji

Exoprosopa portshinskiji Paramonov, 1928b: 509(205). TYPE LOCALITY: Uzbekistan [H in VSRI].

DISTRIBUTION: **Palaearctic**: Uzbekistan.

povolnyi

Exoprosopa povolnyi Zaitzev, 1977c: 959. TYPE LOCALITY: Afghanistan [H in MMBC].

DISTRIBUTION: **Palaearctic**: Afghanistan.

praefica

Exoprosopa praefica Loew, 1860a: 92 [1860b: 301; 1860c: 229]. TYPE LOCALITY: South Africa (KwaZulu-Natal) [T in UNKN].

DISTRIBUTION: **Afrotropical**: South Africa (KwaZulu-Natal), Zimbabwe.

procne

Exoprosopa procne Osten Sacken, 1886a: 85. TYPE LOCALITY: Guatemala [H in BMNH*].

DISTRIBUTION: **Neotropical**: El Salvador, Guatemala.

protuberans

Exoprosopa protuberans Bezzi, 1924a: 298. TYPE LOCALITY: “N.-W. Rhodesia” [= Zambia] & “Nyasaland” [= Malawi] [5S in BMNH*].

DISTRIBUTION: **Afrotropical**: Malawi, Mozambique, South Africa (KwaZulu-Natal, “Transvaal”), Zambia, Zimbabwe.

pterosticha

Exoprosopa pterosticha Hesse, 1936: 178. TYPE LOCALITY: Botswana [2S in NMSA*].
DISTRIBUTION: **Afrotropical**: Botswana, Kenya, Namibia, Swaziland, Tanzania, Zimbabwe.

pueblensis

Exoprosopa pueblensis Jaenicke, 1867b: 342 [1868: 34]. TYPE LOCALITY: “Mejico” [probably = Mexico (Puebla)] [T (lost) in HLMD].

DISTRIBUTION: **Nearctic**: Mexico (Chihuahua, Guerrero, Nuevo León, Puebla), USA (Alabama, Arkansas, Florida, Georgia, Louisiana, Mississippi, Oklahoma, Nebraska, North Carolina, South Carolina, Tennessee, Texas).

puerula

Exoprosopa puerula Brunetti, 1920: 205. TYPE LOCALITY: “Madras” [= India (Tamil Nadu)] [2S in NZSI].

DISTRIBUTION: **Oriental**: India (Himachal Pradesh, Karnataka, Tamil Nadu, Uttar Pradesh).

pulcherrima

Exoprosopa pulcherrima Paramonov, 1928a: 262(84). TYPE LOCALITY: Iran [H in ZIS].

pulcheprima, incorrect original spelling of *pulcherrima* (Paramonov, 1928a: [unpaginated plate legend]).

DISTRIBUTION: **Palaearctic**: Iran.

pullata

Exoprosopa pullata Zaitzev, 1976c: 696. TYPE LOCALITY: Iraq [H in ZIS].

DISTRIBUTION: **Palaearctic**: Iraq.

punctifrons

Exoprosopa punctifrons Bezzi, 1924a: 318. TYPE LOCALITY: Nigeria [10S in BMNH*].

DISTRIBUTION: **Afrotropical**: Nigeria.

punctulata

Exoprosopa punctulata Macquart, 1840: 48 [1841: 326]. TYPE LOCALITY: “Du Cap” [= South Africa (Western Cape)] [T in UNKN (originally in Serville Collection)].

Exoprosopa rasa Loew, 1860a: 94 [1860b: 311; 1860c: 239]. TYPE LOCALITY: “Nolagi” [= Namibia] [H in NHRS].

DISTRIBUTION: **Afrotropical**: Botswana, Burundi, Eritrea, Ethiopia, Kenya, Mozambique, Namibia, Somalia, South Africa (Eastern Cape, Free State, Gauteng, KwaZulu-Natal, Northern Cape, Northern Province, North-West Province, Western Cape), Tanzania, Uganda, Zambia.

punjabensis

Exoprosopa punjabensis Nurse, 1922a: 640. TYPE LOCALITY: India (Punjab) [3S in BMNH*].

DISTRIBUTION: **Oriental**: India (Punjab), Sri Lanka.

pusilla

Exoprosopa pusilla Macquart, 1840: 46 [1841: 324]. TYPE LOCALITY: “Sénégal” [= Gambia or Senegal] [H in MNHN*].

Exoprosopa jacchoides Bezzi, 1912: 644. TYPE LOCALITY: Nigeria [H in BMNH*].

DISTRIBUTION: **Afrotropical**: Chad, Ethiopia, Gambia, Ghana, Guinea-Bissau, Ivory Coast, Kenya, Nigeria, Senegal, Uganda, Yemen. **Palaearctic**: Saudi

Arabia.

rectifascia

Exoprosopa rectificascia Bezzi, 1924a: 292. TYPE LOCALITY: Angola [H in BMNH*].
DISTRIBUTION: **Afrotropical**: Angola.

referta

Exoprosopa referta Bezzi, 1924a: 338. TYPE LOCALITY: Nigeria [H in BMNH*].
DISTRIBUTION: **Afrotropical**: Cameroon, Nigeria.

retracta

Exoprosopa retracta Bezzi, 1924a: 300. TYPE LOCALITY: Angola [H in BMNH*].
DISTRIBUTION: **Afrotropical**: Angola.

retrorsa

Exoprosopa retrorsa Brunetti, 1909a: 445, 468. TYPE LOCALITY: "Persia" [= Iran] [H in NZSI].
DISTRIBUTION: **Palaearctic**: Iran.

rhea

Exoprosopa rhea Osten Sacken, 1886a: 83. TYPE LOCALITY: "Mexico" [T in UNKN].
DISTRIBUTION: **Nearctic**: Mexico, USA (Arizona, New Mexico, Texas).

rhodesiensis

Exoprosopa rhodesiensis Hesse, 1956b: 815. TYPE LOCALITY: "Southern Rhodesia" [= Zimbabwe] [H in NMSA*].
DISTRIBUTION: **Afrotropical**: Botswana, Zimbabwe.

richteri

Exoprosopa richteri Lindner, 1975: 13. TYPE LOCALITY: Iran [3S in SMNS].
DISTRIBUTION: **Palaearctic**: Iran.

rivularis

Anthrax rivularis Meigen in Wiedemann, 1818a: 11. *Nomen nudum*.
Anthrax rivularis Hoffmannsegg in Wiedemann, 1819a: 9. *Nomen nudum*.
Anthrax rivularis Meigen, 1820: 176. TYPE LOCALITY: Portugal [L designated by Evenhuis & Greathead (1999: 651) in ZMHB*].
Exoprosopa argyrocephala Macquart, 1840: 40 [1841: 318]. TYPE LOCALITY: "Nord de l'Afrique" & Portugal [4S in MNHN*].
Anthrax undans Walker, 1849: 246. TYPE LOCALITY: Not given [= Palaearctic] [H in BMNH*].
DISTRIBUTION: **Palaearctic**: Armenia, Austria, Azerbaijan, Croatia, France, Georgia, Iran, Israel (incl. West Bank), Italy (incl. Sicily), Kyrgyz Republic, Libya, Macedonia, Mongolia, Morocco, Portugal, Saudi Arabia, Slovenia, Spain, Tajikistan, Turkey, Turkmenistan, Uzbekistan, Yugoslavia.

robertii

Exoprosopa robertii Macquart, 1840: 44 [1841: 322]. TYPE LOCALITY: "Sénégal" [= Gambia or Senegal] [H in MNHN*].
roberti, incorrect original spelling of *robertii* (Macquart, 1840: pl. 17, fig. 9 [1841: pl. 17, fig. 9]).
DISTRIBUTION: **Afrotropical**: Benin, Ghana, Ivory Coast, Nigeria, Senegal.

romani[†]

Exoprosopa romani Théobald, 1937a: 350. TYPE LOCALITY: France (Oligocene) [C]

[H in UBIG].

DISTRIBUTION: **Palaeartic**: France (Oligocene).

rostrifera

Exoprosopa rostrifera Jaenicke, 1867b: 341 [1868: 34]. TYPE LOCALITY: “Mejico” [probably = Mexico (Puebla)] [T (lost) in HLMD].

DISTRIBUTION: **Nearctic**: Mexico (Guerrero, Jalisco, Puebla, Sonora), USA (Arizona, New Mexico). **Neotropical**: Mexico (Oaxaca).

rubescens

Exoprosopa rubescens Bezzi, 1924a: 304. TYPE LOCALITY: Uganda [3S in BMNH*].

DISTRIBUTION: **Afrotropical**: Chad, Eritrea, Kenya, Sudan, Tanzania, Uganda.

rufa

Exoprosopa rufa Painter in Painter & Painter, 1962: 151. TYPE LOCALITY: “Mex.” [= Mexico] [H in BMNH*].

DISTRIBUTION: **Nearctic** or **Neotropical**: Mexico.

rutila

Anthrax rutila Pallas & Wiedemann in Wiedemann, 1818a: 16. TYPE LOCALITY: “In australi deserto ad Rhynum rarius . . .” [= Russia (SET) or Kazakhstan] [T in NMW (see Note 20)].

Anthrax daubei Guérin-Méneville, 1844: 539. TYPE LOCALITY: France [T (lost) in MNHN].

Anthrax miegii Dufour, 1850: 140. TYPE LOCALITY: Spain [T (lost) in MNHN].

Anthrax interrupta Mulsant, 1852a: 20 [1852b: 180]. TYPE LOCALITY: France [T (lost) in MNHN]. [Preoccupied by Wiedemann, 1828.]

Anthrax hilaris Eversmann, 1855: 202. TYPE LOCALITY: Kazakhstan [L designated by Zaitzev & Kandybina (1983: 23) in ZIS].

Exoprosopa kruegeri Bezzi, 1926a: 84. TYPE LOCALITY: Libya [H in MSNM].

Anthrax nasuta Dufour in Séguy, 1934b: 32. [Unavailable; name proposed in synonymy with *Anthrax rutila* Pallas & Wiedemann and not made available before 1961.]

DISTRIBUTION: **Palaeartic**: Afghanistan, Algeria, Armenia, Azerbaijan, Croatia, Egypt, France (incl. Corsica), Greece, Gruzia, Iran, Italy, Kazakhstan, Kyrgyz Republic, Libya, Moldova, Mongolia, Morocco, Portugal, Russia (SET), Slovenia, Spain, Tajikistan, Turkmenistan, Ukraine, Uzbekistan, Yugoslavia.

rutiloides

Exoprosopa rutiloides Bezzi, 1924a: 247. TYPE LOCALITY: Gambia [H in BMNH*].

DISTRIBUTION: **Afrotropical**: Gambia.

sackeni

Exoprosopa sackeni Williston, 1901a: 270, 271. TYPE LOCALITY: Mexico (Guerrero) [L designated by Painter & Painter (1962: 153) in BMNH*].

DISTRIBUTION: **Nearctic**: Mexico (Guerrero).

sanctipauli

Exoprosopa sanctipauli Macquart, 1840: 50 [1841: 328] (as “*sancti pauli*”). TYPE LOCALITY: Brazil (São Paulo) [H in MNHN*].

DISTRIBUTION: **Neotropical**: Brazil (São Paulo).

scaligera

Exoprosopa scaligera Bezzi, 1912: 643. TYPE LOCALITY: “West Nyasa” [= Malawi]

[H in BMNH*].

DISTRIBUTION: **Afrotropical**: Malawi, Mozambique, South Africa (Eastern Cape).

schmidti

Exoprosopa schmidti Karsch, 1888: 372. TYPE LOCALITY: Tanzania (Zanzibar) [H in ZMHB*].

DISTRIBUTION: **Afrotropical**: Kenya, Tanzania (incl. Zanzibar).

selenops

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

DISTRIBUTION: **Afrotropical**: Kenya.

senegalensis

Exoprosopa senegalensis Macquart, 1840: 44 [1841: 322]. TYPE LOCALITY: “Sénégal” [= Gambia or Senegal] [T (lost) in MNHN].

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

serva

Exoprosopa serva Bezzi, 1924a: 353. TYPE LOCALITY: Yemen [H in BMNH*].

DISTRIBUTION: **Afrotropical**: Eritrea, Yemen. **Palaeartic**: Saudi Arabia.

sharonae

Exoprosopa sharonae Johnson & Johnson, 1958: 78. TYPE LOCALITY: USA (Utah) [H in BYU].

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

sigmoidea

Exoprosopa sigmoidea Bezzi, 1912: 640. TYPE LOCALITY: “West Nyasa” [= Malawi] [H in BMNH*].

DISTRIBUTION: **Afrotropical**: Botswana, Malawi, Mozambique, Namibia, South Africa (KwaZulu-Natal), Zimbabwe.

sima

Exoprosopa sima Osten Sacken, 1877: 231. TYPE LOCALITY: USA (Nevada) [L designated by Evenhuis (1982b: 17) in MCZ*].

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

simillima

Exoprosopa simillima Hesse, 1956b: 787. TYPE LOCALITY: “Portuguese East Africa” [= Mozambique] [H in SAMC].

DISTRIBUTION: **Afrotropical**: Botswana, Mozambique, Namibia, South Africa (KwaZulu-Natal).

simpsoni

Exoprosopa simpsoni Bowden, 1964a: 138. TYPE LOCALITY: Ghana [H in BMNH*].

DISTRIBUTION: **Afrotropical**: Ghana, Senegal.

socia

Exoprosopa socia Osten Sacken, 1886a: 87. TYPE LOCALITY: Mexico (Durango) [H in BMNH*].

DISTRIBUTION: **Nearctic**: Mexico (Durango, Guerrero).

sola

Exoprosopa sola Painter, 1939: 42. TYPE LOCALITY: Peru [H in USNM*].

DISTRIBUTION: **Neotropical**: Peru.

sordida

Exoprosopa sordida Loew, 1869c: 14 [1872c: 128]. TYPE LOCALITY: Mexico (Tamaulipas) [2S in MCZ*].

DISTRIBUTION: **Nearctic**: Mexico (Tamaulipas).

spadix

Exoprosopa spadix Painter, 1933b: 6. TYPE LOCALITY: Panama [H in AMNH*].

DISTRIBUTION: **Neotropical**: Panama.

spectrum

Exoprosopa spectrum Speiser, 1910: 79. TYPE LOCALITY: “Kilimandjaro” [= Tanzania] [S in NHRS; 1S in ZMHB*].

DISTRIBUTION: **Afrotropical**: Kenya, ?Malawi, Uganda, Tanzania, Zimbabwe.

stackelbergi

Exoprosopa stackelbergi Zaitzev, 1972c: 1585. TYPE LOCALITY: Tajikistan [H in ZIS].

DISTRIBUTION: **Palaearctic**: Mongolia, Tajikistan, Turkmenistan, Uzbekistan.

stannusi

Exoprosopa stannusi Bezzi, 1912: 647. TYPE LOCALITY: “North Nyasa” [= Malawi] [H in BMNH*].

DISTRIBUTION: **Afrotropical**: Congo, Kenya, Malawi, South Africa (Mpumalanga), Zambia, Zimbabwe.

stellifera

Anthrax stellifer Walker, 1849: 244. TYPE LOCALITY: “New Holland” [= Australia] & Australia (WA) [2S in BMNH*].

DISTRIBUTION: **Australasian/Oceanian**: “New Holland” & Australia (WA).

stenomelaena

Exoprosopa stenomelaena Bezzi, 1924a: 307. TYPE LOCALITY: Angola [H in BMNH*].

DISTRIBUTION: **Afrotropical**: Angola.

stevensoni

Exoprosopa stevensoni Hesse, 1956b: 799. TYPE LOCALITY: “Southern Rhodesia” [= Zimbabwe] [H in SAMC].

DISTRIBUTION: **Afrotropical**: Zimbabwe.

strenua

Exoprosopa strenua Loew, 1860a: 92 [1860b: 300; 1860c: 228]. TYPE LOCALITY: “Cap. B. Sp.” [= South Africa (Western Cape)] [H in ZMHB*].

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

subfascia

Anthrax subfascia Walker, 1849: 249. TYPE LOCALITY: Jamaica [1S in BMNH*; 1S in MVMA].

DISTRIBUTION: **Neotropical**: Jamaica.

sylvana

Bibio sylvanus Fabricius, 1775: 758. TYPE LOCALITY: “nova Hollandia” [= Australia (Queensland) (see Musgrave, 1932: 54)] [1S in BMNH*; 1S in HMUG*].

DISTRIBUTION: **Australasian/Oceanian**: Australia (Queensland).

tabanoides

Exoprosopa tabanoides Bezzi, 1924a: 337. TYPE LOCALITY: “N.-E. Rhodesia” [= Zambia] [H in BMNH*].

DISTRIBUTION: **Afrotropical**: Congo, Malawi, South Africa (KwaZulu-Natal), Tanzania, Zambia, Zimbabwe.

tamerlan

Exoprosopa tamerlan Portschinsky, 1887: 185. TYPE LOCALITY: “Asia media” [= Turkmenistan] [L designated by Zaitzev & Kandybina (1983: 38) in ZIS].

Exoprosopa flavipennis Brunetti, 1909a: 465. TYPE LOCALITY: India (Bihar) [H in BMNH*].

DISTRIBUTION: **Oriental**: India (Bihar, Karnataka, Orissa), Pakistan. **Palearctic**: Afghanistan, Iran, Kazakhstan, Tajikistan, Turkmenistan.

temnocera

Exoprosopa temnocera Bezzi, 1924a: 285, 350. TYPE LOCALITY: “Abyssinia” [= Ethiopia] & “Nyasaland” [= Malawi] [1S (destroyed) in HNHM (see Note 9); 1S (lost?) in BMNH].

DISTRIBUTION: **Afrotropical**: Ethiopia.

texana

Exoprosopa texana Curran, 1930b: 6. TYPE LOCALITY: USA (Texas) [H in AMNH*].

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

thomae

Anthrax thomae Fabricius, 1805: 125. TYPE LOCALITY: “Americae Insula St. Thomas” [= U.S. Virgin Is] [3S in ZMUC].

DISTRIBUTION: **Neotropical**: U.S. Virgin Is.

thoracica

Exoprosopa thoracica Bezzi, 1924a: 347. TYPE LOCALITY: “Nyasaland” [= Malawi] [6S in BMNH*].

DISTRIBUTION: **Afrotropical**: Kenya, Malawi, Mozambique, Zimbabwe.

tiburonensis

Exoprosopa tiburonensis Cole, 1923: 291. TYPE LOCALITY: Mexico (Tiburon I) [H in CAS].

DISTRIBUTION: **Nearctic**: Mexico (Tiburon I), USA (Arizona).

titubans

Exoprosopa titubans Osten Sacken, 1877: 233. TYPE LOCALITY: USA (Colorado) [H in MCZ*].

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

tricolor

Exoprosopa tricolor Macquart, 1840: 45 [1841: 323]. TYPE LOCALITY: “Sénégal” [= Gambia or Senegal] [T in UNKN (originally in Serville Collection)].

DISTRIBUTION: **Afrotropical**: Chad, Ghana, Nigeria, Senegal.

trigradata

Exoprosopa trigradata Hesse, 1956b: 853. TYPE LOCALITY: “South-West Africa” [= Namibia] [H in SAMC].

DISTRIBUTION: **Afrotropical**: Namibia.

triloculina

Exoprosopa triloculina Hesse, 1956b: 846. TYPE LOCALITY: “South-West Africa” [= Namibia] [H in SAMC].

DISTRIBUTION: **Afrotropical**: Namibia.

tripartita

Exoprosopa tripartita Hesse, 1956b: 784. TYPE LOCALITY: South Africa (Western Cape) [2S in NMSA*; 1S in BPBM*; 73S in SAMC*].

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

triplex

Exoprosopa triplex Bezzi, 1924a: 311. TYPE LOCALITY: “Belgian Congo” [= Congo] [H in BMNH*].

DISTRIBUTION: **Afrotropical**: Congo.

tuckeri

Exoprosopa tuckeri Bezzi, 1921a: 169. TYPE LOCALITY: “S.W. Protectorate” [= Namibia] [H in SAMC].

DISTRIBUTION: **Afrotropical**: Namibia, Zimbabwe.

turkestanica

Exoprosopa turkestanica Paramonov, 1925a: 43. TYPE LOCALITY: Kyrgyz Republic [2S in SIZK; 1S in DEI*].

DISTRIBUTION: **Palearctic**: Afghanistan, China, Iran, Kyrgyz Republic, Mongolia, Tajikistan.

tursonovi

Exoprosopa tursonovi Zaitzev, 1988a: 188. TYPE LOCALITY: Sri Lanka [H in ZIS].

DISTRIBUTION: **Oriental**: Sri Lanka.

unifasciata

Exoprosopa unifasciata Ricardo, 1901: 95. TYPE LOCALITY: South Africa (Gauteng) [H in BMNH*].

DISTRIBUTION: **Afrotropical**: South Africa (Gauteng).

uruguayi

Exoprosopa uruguayi Macquart, 1840: 50 [1841: 328]. TYPE LOCALITY: “Brésil, depuis l’embouchure de l’Uruguay jusqu’aux Missions” [= Uruguay or Brazil] [L designated by Painter & Painter (1974: 131) in MNHN].

Exoprosopa uruguayi Painter & Painter, 1974: 131 (unjustified emendation of *Exoprosopa uruguayi* Macquart, 1840).

DISTRIBUTION: **Neotropical**: Brazil, Uruguay.

utahensis

Exoprosopa utahensis Johnson & Johnson, 1958: 81. TYPE LOCALITY: USA (Utah) [H in BYU].

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

varicolor

Exoprosopa varicolor Macquart, 1846: 236(108). TYPE LOCALITY: Brazil (Minas Gerais) [5S in BMNH*].

DISTRIBUTION: **Neotropical**: Brazil (Minas Gerais, São Paulo).

vassiljevi

Exoprosopa vassiljevi Paramonov, 1928a: 281(103). TYPE LOCALITY: China (Xin-

jiang) [H in ZIS].

DISTRIBUTION: **Palaeartic**: China (Jiangxi, Xinjiang).

vayssierei

Exoprosopa vayssierei Séguéy, 1934d: 166. TYPE LOCALITY: Madagascar [S in MNHN].

DISTRIBUTION: **Afrotropical**: Madagascar.

villaeformis

Exoprosopa villaeformis Bezzi, 1912: 650. TYPE LOCALITY: "North Nyasa" [= Malawi] [2S in BMNH*].

DISTRIBUTION: **Afrotropical**: ?Kenya, Malawi, Namibia, ?Nigeria, South Africa (KwaZulu-Natal), Tanzania, ?Uganda, Zimbabwe.

villosa

Exoprosopa villosa Bezzi, 1924a: 253. TYPE LOCALITY: "Nyasaland Protectorate" [= Malawi] [H in BMNH*].

DISTRIBUTION: **Afrotropical**: Malawi.

virgata

Exoprosopa virgata Bowden, 1964a: 136. TYPE LOCALITY: "Ashanti" [= Ghana] [H in JB].

DISTRIBUTION: **Afrotropical**: Benin, Ghana, Nigeria.

vumbuensis

Exoprosopa vumbuensis Hesse, 1956b: 842. TYPE LOCALITY: "Southern Rhodesia" [= Zimbabwe] [H in SAMC].

DISTRIBUTION: **Afrotropical**: Zimbabwe.

xanthina

Exoprosopa xanthina Painter, 1934: 69. TYPE LOCALITY: USA (California) [H in USNM*].

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

zambesiana

Exoprosopa zambesiana Hesse, 1956b: 880. TYPE LOCALITY: "Northern Rhodesia" [= Zambia] [H in NMBZ].

DISTRIBUTION: **Afrotropical**: Zambia.

zanoni

Exoprosopa zanoni Bezzi, 1922c: 143. TYPE LOCALITY: Libya [H in MCSN].

DISTRIBUTION: **Palaeartic**: Egypt, Libya.

zarudnyji

Exoprosopa zarudnyji Paramonov, 1928a: 284(106). TYPE LOCALITY: Iran [L designated by Zaitzev & Kandybina (1983: 41) in ZIS].

DISTRIBUTION: **Palaeartic**: Iran.

zimini

Exoprosopa zimini Paramonov, 1929b: 191(193). TYPE LOCALITY: Uzbekistan [H in SIZK].

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

Genus **HETERALONIA** Rondani

MIMA Meigen, 1820: 175. Type species: *Anthrax phaeoptera* Wiedemann, 1820, by sub-

sequent designation (Coquillett, 1910b: 570).

HETERALONIA Rondani, 1863: 57 [1864: 57]. Type species: *Exoprosopa oculata* Macquart, 1840 (as “*occulta*”), by monotypy.

[*Mima* was originally proposed in synonymy but was made available by Coquillett's (1910: 570) type designation and treatment of it as a senior synonym of *Exoprosopa* Macquart. Despite its being an available name, the type species of *Mima* (*Anthrax phaeoptera* Wiedemann), could not be recognized until recently because of its vague original description. Publication of Meigen's color plates (Morge, 1976) shows it to probably be a species of *Heteralonia* Rondani, subgenus uncertain. To accept the generic concept of *Mima* would cause instability in the taxonomy of this group of flies. Until an application is submitted to the I.C.Z.N. to suppress *Mima* in favor of *Heteralonia*, this catalog treats *Heteralonia* as the valid genus-group name for this group of flies.]

Subgenus **ACRODISCA** Bezzi

ACRODISCA Bezzi, 1921a: 138, 139 [1922a: 85; 1923b: 332; 1924a: 234] (as subgenus of *Exoprosopa* Macquart). Type species: *Exoprosopa angulata* Loew, 1860, by subsequent designation (Bezzi, 1924a: 234).

acrodiscoides

Exoprosopa acrodiscoides Bezzi, 1921b: 476. TYPE LOCALITY: “Ovamboland” [= Namibia] [H in SAMC].

DISTRIBUTION: **Afrotropical**: Namibia.

alpha

Heteralonia alpha Evenhuis, 1979d: 254. TYPE LOCALITY: Vietnam [H in BPBM*].

DISTRIBUTION: **Oriental**: Thailand, Vietnam.

andamanica

Exoprosopa andamanica Pal, 1991: 281. TYPE LOCALITY: Andaman Is [H in NZSI].

DISTRIBUTION: **Oriental**: India (Andaman Is).

angulata

Exoprosopa angulata Loew, 1860a: 94 [1860b: 314; 1860c: 242]. TYPE LOCALITY: “Cap. B. Sp.” [= South Africa (Western Cape)] [H in ZMHB*].

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

aridicola

Exoprosopa aridicola Hesse, 1956b: 754. TYPE LOCALITY: South Africa (Northern Cape) [1S in BMNH*; 2S in NMSA*; 1S in BPBM*; 31S in SAMC*].

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

bowdeni

Anthrax suffusa Walker, 1849: 251. TYPE LOCALITY: Not given [= Egypt (from type specimen label data)] [1S in BMNH*]. [Preoccupied by Klug, 1832.]

Heteralonia bowdeni Evenhuis & Greathead, 1999: 384 (new replacement name for *Anthrax suffusa* Walker, 1849).

DISTRIBUTION: **Palaearctic**: Egypt.

chinensis

Heteralonia chinensis Evenhuis, 1979d: 254. TYPE LOCALITY: China (Yunnan) [H in BPBM*].

DISTRIBUTION: **Oriental:** China (Yunnan).

eremochara

Exoprosopa eremochara Hesse, 1956b: 751. TYPE LOCALITY: South Africa (Northern Cape) [6S in SAMC].

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

fimbriatella

Exoprosopa fimbriatella Bezzi, 1921a: 140. TYPE LOCALITY: South Africa (North-West Province) [H in SAMC].

DISTRIBUTION: **Afrotropical:** South Africa (North-West Province).

fumida

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

DISTRIBUTION: **Afrotropical:** South Africa (North-West Province).

furvalis

Exoprosopa fimbriatella var. *furvalis* Hesse, 1956b: 741. TYPE LOCALITY: South Africa (Northern Province) [H in NMSA*].

DISTRIBUTION: **Afrotropical:** South Africa (?Gauteng, Northern Cape, Northern Province).

gonioneura

Exoprosopa gonioneura Hesse, 1956b: 749. TYPE LOCALITY: South Africa (Western Cape) [1S in NMSA*; 1S in BPBM*; 24S in SAMC*].

DISTRIBUTION: **Afrotropical:** Botswana, Namibia, South Africa (Eastern Cape, Northern Cape, Western Cape), Uganda.

gressitti

Heteralonia gressitti Evenhuis, 1979d: 257. TYPE LOCALITY: China (Yunnan) [H in BPBM*].

DISTRIBUTION: **Oriental:** China (Yunnan).

hamula

Exoprosopa hamula Hesse, 1956b: 746. TYPE LOCALITY: South Africa (Western Cape) [22S in SAMC].

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

haustellata

Exoprosopa haustellata Bezzi, 1924a: 236. TYPE LOCALITY: "N. Rhodesia" [= Zambia] [H in BMNH*].

DISTRIBUTION: **Afrotropical:** Tanzania, Zambia.

hemiphaea

Exoprosopa hemiphaea Hesse, 1956b: 754. TYPE LOCALITY: South Africa (Gauteng) [H in NMSA*].

DISTRIBUTION: **Afrotropical:** South Africa (Gauteng, Northern Province).

insularis

Exoprosopa insularis Ricardo, 1903: 365. TYPE LOCALITY: Yemen (Socotra) [H in BMNH*].

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

katonae

Exoprosopa katonae Bezzi, 1924a: 235 (key only). TYPE LOCALITY: Uganda [S (lost)]

in MSNM].

Exoprosopa pilimana Bezzi, 1924a: 235 (key only). TYPE LOCALITY: Uganda [S (lost) in MSNM].

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

nephoneura

Exoprosopa nephoneura Hesse, 1950: 25. TYPE LOCALITY: “South West Africa” [= Namibia] [6S in NMSA*; 1S in BPBM*; 15S in SAMC*].

DISTRIBUTION: **Afrotropical**: Mozambique, Namibia, South Africa (Gauteng, KwaZulu-Natal, Mpumalanga).

obscuripennis

Exoprosopa obscuripennis Hesse, 1956b: 750. TYPE LOCALITY: South Africa (Western Cape) [26S in SAMC*; 1S in BPBM*].

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

offuscata

Exoprosopa offuscata Bezzi, 1921a: 141. TYPE LOCALITY: South Africa (Northern Cape & Western Cape) [S in SAMC].

Exoprosopa melania Bigot in Bezzi, 1921a: 141. [Unavailable; name proposed in synonymy with *Exoprosopa offuscata* Bezzi and not made available before 1961.]

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

personata

Exoprosopa personata Bezzi, 1921a: 143. TYPE LOCALITY: South Africa (Northern Cape & Western Cape) [2S in SAMC].

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

polyphleba

Heteralonia polyphleba Evenhuis, 1979d: 257. TYPE LOCALITY: Macao [H in BPBM*].

DISTRIBUTION: **Oriental**: Macao.

polysticta

Exoprosopa polysticta Hesse, 1956b: 743. TYPE LOCALITY: South Africa (Western Cape) [9S in BMNH*; 4S in MZLU; 2S in NMBZ; 2S in BPBM*; 236S in SAMC*].

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

punctinervis

Exoprosopa punctinervis Becker & Stein, 1912: 604. *Nomen nudum*.

Exoprosopa punctinervis Becker in Becker & Stein, 1913a: 565. TYPE LOCALITY: Iran [L designated by Zaitzev (1972d: 905) in ZIS].

DISTRIBUTION: **Palaeartic**: Armenia, Azerbaijan, Gruzia, Iran.

recurrens

Exoprosopa recurrens Loew, 1860a: 94 [1860b: 313; 1860c: 241]. TYPE LOCALITY: “Caffraria” [= South Africa (Eastern Cape)] [H in NHRS].

Exoprosopa polyspila Bezzi, 1924a: 238. TYPE LOCALITY: “S. Africa” [H in BMNH*].

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

rubella

Exoprosopa rubella Bezzi, 1924a: 241. TYPE LOCALITY: “Kenya Colony” [= Kenya] [2S in BMNH*].

Exoprosopa rubicunda Hesse, 1956b: 756. TYPE LOCALITY: South Africa (Northern Province) [4S in BMNH*; 2S in SAMC].

DISTRIBUTION: **Afrotropical**: Kenya, Somalia, South Africa (Mpumalanga, Northern Province), Tanzania, Zambia, Zimbabwe.

serpentata

Exoprosopa serpentata Loew, 1854: 4. TYPE LOCALITY: “Nubien” [= Egypt (from type specimen label data)] [2S in ZMHB*].

DISTRIBUTION: **Afrotropical**: Eritrea, Ethiopia, Sudan. **Palaeartic**: Egypt.

spoliata

Acrodisca spoliata Bezzi, 1922a: 85. TYPE LOCALITY: South Africa (Eastern Cape [Willowmore]) [3S in MSNM].

Exoprosopa spoliata Bezzi, 1924a: 239. TYPE LOCALITY: South Africa (KwaZulu-Natal [Estcourt]) [H in BMNH*]. [Preoccupied by Bezzi, 1922.]

DISTRIBUTION: **Afrotropical**: South Africa (Eastern Cape, KwaZulu-Natal).

suffusa

Anthrax suffusa Klug, 1832: pl. 30, fig. 2. TYPE LOCALITY: “Syria” [= Lebanon (see Baker, 1997: 194)] [H in ZMHB*].

Exoprosopa conturbata Loew, 1869b: 224. TYPE LOCALITY: “Südrussland” [probably = Russia (SET)] [H in ZMHB*].

DISTRIBUTION: **Afrotropical**: Kenya, ?Somalia. **Palaeartic**: Afghanistan, Armenia, Azerbaijan, Cyprus, Greece, Gruzia, Iran, Israel, Italy, Kazakhstan, Moldova, Russia (SET), Saudi Arabia, Syria, Tunisia, Turkey, Ukraine, Yugoslavia.

suffusipennis

Exoprosopa suffusipennis Bezzi, 1923b: 332. TYPE LOCALITY: “Kenya Protectorate” [= Kenya] [H in MNHN*].

Exoprosopa otello Szilády, 1942: 100. TYPE LOCALITY: Tanzania [H (destroyed) in HNHM (see Note 9)].

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

sytschuana

Exoprosopa sytschuana Paramonov, 1928a: 274(96). TYPE LOCALITY: China (Sichuan) [H in SIZK].

DISTRIBUTION: **Oriental**: China (Yunnan). **Palaeartic**: China (Sichuan).

umbrosa

Exoprosopa umbrosa Loew, 1860a: 94 [1860b: 315; 1860c: 243]. TYPE LOCALITY: “Caffraria” [= South Africa (Eastern Cape)] [2S in NHRS].

Exoprosopa violacea Bezzi, 1924a: 241. TYPE LOCALITY: “Nyasaland” [= Malawi] [2S in BMNH*].

DISTRIBUTION: **Afrotropical**: Angola, Botswana, Malawi, Namibia, South Africa (Eastern Cape, Mpumalanga), Tanzania, Zimbabwe.

yoshimotoi

Heteralonia yoshimotoi Evenhuis, 1979d: 258. TYPE LOCALITY: Vietnam [H in BPBM*].

DISTRIBUTION: **Oriental:** Vietnam.

zonata

Exoprosopa zonata Hesse, 1936: 176. TYPE LOCALITY: South Africa (Northern Province) [2S in NMSA*].

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

Subgenus **HETERALONIA** Rondani

kaokoensis

Exoprosopa kaokoensis Hesse, 1956b: 909. TYPE LOCALITY: “South-West Africa” [= Namibia] [2S in SAMC].

DISTRIBUTION: **Afrotropical:** Namibia.

oculata

Exoprosopa oculata Macquart, 1840: 45 [1841: 323]. TYPE LOCALITY: “Sénégal” [= Gambia or Senegal] [L designated by Evenhuis & Greathead (1999: 664) in MNHN*].

occulta, error for *oculata*.

DISTRIBUTION: **Afrotropical:** Chad, Eritrea, Gambia, Ghana, Kenya, Nigeria, Senegal, Tanzania, Uganda.

Subgenus **HOMOLONIA** Bowden

HOMOLONIA Bowden, 1975c: 319. Type species: *Anthrax megerlei* Meigen, 1820, by original designation.

aegina

Anthrax aegina Wiedemann, 1828: 563. TYPE LOCALITY: Egypt & “Nubien” [= Egypt or Sudan] [3S in SMFD; 3S in ZMHB*].

Anthrax ferruginea Klug, 1832: pl. 30, fig. 4. TYPE LOCALITY: Egypt & Sudan [S (lost) in ZMHB].

Exoprosopa bovei Macquart, 1840: 41 [1841: 319]. TYPE LOCALITY: Egypt [H in MNHN*].

bovis, error for *bovei*.

DISTRIBUTION: **Afrotropical:** Djibouti, Sudan. **Palaeartic:** Armenia, Azerbaijan, Egypt, Gruzia, Israel, Kyrgyz Republic, Saudi Arabia, Syria, Tajikistan, Turkmenistan, Uzbekistan, Yemen.

axumitae

Exoprosopa axumitae Greathead, 1967: 269. TYPE LOCALITY: Ethiopia [H in BMNH*].

DISTRIBUTION: **Afrotropical:** Ethiopia.

bengalensis

Exoprosopa bengalensis Macquart, 1840: 49 [1841: 327]. TYPE LOCALITY: “Bengale” [= India (Bihar or West Bengal)] [H (lost) in MNHN].

DISTRIBUTION: **Oriental:** India (Bihar or West Bengal, Karnataka), Sri Lanka.

caffrariana

Exoprosopa caffrariana Hesse, 1956b: 772. TYPE LOCALITY: South Africa (Eastern Cape) [H in NMSA*].

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

campestris

Exoprosopa campestris Hesse, 1956b: 781. TYPE LOCALITY: South Africa (Western Cape) [H in SAMC].

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

capensis

Anthrax capensis Wiedemann, 1821a: 83 [1821b: 133]. TYPE LOCALITY: "Prom. bon. sp." [= South Africa (Western Cape)] [2S in ZMUC; 1S in ZMHB*; 1S in NMW*].

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

connivens

Exoprosopa connivens Bezzi, 1924a: 261. TYPE LOCALITY: "S. Africa" [H in BMNH*].

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

corvinoides

Exoprosopa corvinoides Hesse, 1956b: 772. TYPE LOCALITY: South Africa (Western Cape) [8S in SAMC*; 1S in BPBM*].

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

cosmoptera

Exoprosopa cosmoptera Bezzi, 1924a: 335. TYPE LOCALITY: "Nyasaland Protectorate" [= Malawi] [H in BMNH*].

DISTRIBUTION: **Afrotropical**: Malawi, Namibia.

dolichoptera

Exoprosopa dolichoptera Bezzi, 1924a: 257. TYPE LOCALITY: Madagascar [H in BMNH*].

DISTRIBUTION: **Afrotropical**: Madagascar.

guillarmodi

Exoprosopa guillarmodi Hesse, 1956b: 776. TYPE LOCALITY: "Basutoland" [= Lesotho] [H in SAMC].

DISTRIBUTION: **Afrotropical**: Lesotho, South Africa (Eastern Cape, North-West Province).

gujaratica

Exoprosopa gujaratica Nurse, 1922a: 636. TYPE LOCALITY: India (Maharashtra) [7S in BMNH*].

DISTRIBUTION: **Oriental**: India (Maharashtra).

karooana

Exoprosopa karoohana Hesse, 1956b: 779. TYPE LOCALITY: South Africa (Northern Cape) [H in SAMC].

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

lateralis

Exoprosopa lateralis Brunetti, 1909a: 467. TYPE LOCALITY: India (West Bengal) [3S in NZSI].

DISTRIBUTION: **Oriental**: India (Andra Pradesh, Karnataka, Orissa, West Bengal).

leucothyrida

Exoprosopa leucothyrida Hesse, 1956b: 774. TYPE LOCALITY: South Africa (Western Cape) [H in SAMC].

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

maculifera

Exoprosopa maculifera Bezzi, 1921a: 147. TYPE LOCALITY: “Cape” [= South Africa] [H in SAMC].

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

maculosa

Anthrax maculosa Wiedemann, 1819a: 10. TYPE LOCALITY: “Prom. bon. sp.” [= South Africa (Western Cape)] [2S in ZMUC; 1S in NMW*].

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

megerlei

Anthrax vespertilio Hoffmanssegg in Wiedemann, 1818a: 11. *Nomen nudum*.

Nemotelus nycteus Pallas in Wiedemann, 1818a: 11. [Unavailable; name proposed in synonymy and not made available before 1961.]

Anthrax megerlei Meigen, 1820: 174. TYPE LOCALITY: “Oesterreich” [probably = Austria] [T (destroyed) in NMW (see Note 18)].

Anthrax vespertilio Wiedemann in Meigen, 1820: 178. TYPE LOCALITY: “südlichen Taurien” [probably = Russia (SET)] [1S in SMFD; 1S in ZMHB*].

Exoprosopa consanguinea Macquart, 1840: 44 [1841: 322]. TYPE LOCALITY: “Sénégal” [= Gambia or Senegal] [T in UNKN (originally in Serville Collection)].

Anthrax egyptiaca Macquart, 1840: 71 [1841: 349]. TYPE LOCALITY: Egypt [H in MNHN*].

Anthrax campicola Eversmann, 1855: 203. TYPE LOCALITY: Kazakhstan [L designated by Zaitzev & Kandybina (1983: 16) in ZIS].

Exoprosopa mayeti Bigot, 1888c: 9. TYPE LOCALITY: Tunisia [2S in KBIN].

Anthrax aegyptiacus Bezzi in Becker, Bezzi, Bischof, Kertész & Stein, 1903: 174 (unjustified emendation of *Anthrax egyptiaca* Macquart, 1840).

Exoprosopa compar Bezzi, 1924a: 255. TYPE LOCALITY: Nigeria [H in BMNH*].

Exoprosopa deserticola Paramonov, 1928a: 224(46). TYPE LOCALITY: Israel [1S in SIZK; 3S in ZIS].

Exoprosopa megerlei ssp. *turanica* Paramonov, 1928a: 244(66). TYPE LOCALITY: “Turkestans” & Iran [S (lost) in SIZK; 2S in ZIS].

Exoprosopa conspicienda Austen, 1937: 169. TYPE LOCALITY: Israel & Israel (Gaza Strip) [12S in BMNH*].

DISTRIBUTION: **Afrotropical**: Chad, Gambia, Ghana, Mauritania, Niger, Nigeria, Senegal, Sudan, Yemen. **Oriental**: Pakistan. **Palaeartic**: Albania, Armenia, Austria, Azerbaijan, Bulgaria, Croatia, Cyprus, Egypt, France, Greece (incl. Corfu, Zakynthos), Gruzia, Iran, Israel (incl. Gaza Strip), Italy (incl. Sardinia, Sicily), Kazakhstan, Kyrgyz Republic, Libya, Macedonia, Malta, Moldova, Oman, Romania, Russia (SET), Saudi Arabia, Slovenia, Switzerland, Tajikistan, Tunisia, Turkey, Turkmenistan, Ukraine, United Arab Emirates, Uzbekistan, Yugoslavia.

mucida

Exoprosopa mucida François, 1972b: 15. TYPE LOCALITY: Mauritania [H in MNHN*].

DISTRIBUTION: **Afrotropical**: Mauritania.

neurospila

Exoprosopa neurospila Bezzi, 1921a: 145. TYPE LOCALITY: South Africa (KwaZulu-

Natal) [H in SAMC].

DISTRIBUTION: **Afrotropical**: South Africa (KwaZulu-Natal).

nigerrima

Exoprosopa nigerrima Bezzi, 1924a: 256. TYPE LOCALITY: Gambia [21S in BMNH*; 1S in MSNM].

DISTRIBUTION: **Afrotropical**: Gambia, Ghana, Nigeria, Togo.

nigrovenosa

Exoprosopa nigrovenosa Bezzi, 1921a: 146. TYPE LOCALITY: South Africa (Kwa-Zulu-Natal [Durban]) [H in SAMC].

Exoprosopa nigrovenosa Bezzi, 1924a: 259. TYPE LOCALITY: South Africa (Kwa-Zulu-Natal [Estcourt & Will Brook]) [8S in BMNH*; 1S in MSNM]. [Preoccupied by Bezzi, 1921.]

DISTRIBUTION: **Afrotropical**: South Africa (KwaZulu-Natal), Swaziland.

noctilio

Anthrax noctilio Klug, 1832: pl. 30, fig. 8. TYPE LOCALITY: Sudan [T (lost) in ZMHB].

Exoprosopa marginalis Walker, 1871a: 260. TYPE LOCALITY: Eritrea [H in BMNH*].

DISTRIBUTION: **Afrotropical**: Eritrea, Kenya, Somalia, Sudan, Tanzania.

plerosticta

Exoprosopa plerosticta Hesse, 1956b: 783. TYPE LOCALITY: South Africa (Western Cape) [H in SAMC].

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

porrectella

Exoprosopa porrectella Hesse, 1956b: 777. TYPE LOCALITY: South Africa (Western Cape) [14S in SAMC*; 1S in BPBM*].

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

vesperugo

Exoprosopa vesperugo Costa, 1893: 101. TYPE LOCALITY: Tunisia [T in MZUN].

DISTRIBUTION: **Palaeartic**: Egypt, Libya, Tunisia.

Subgenus **ISOTAMIA** Bezzi

ISOTAMIA Bezzi, 1912: 606, 627 (as genus). Type species: *Isotamia daveyi* Bezzi, 1912, by original designation.

FRANCOISIA Hesse, 1952: 1 (as genus). Type species: *Francoisia sulcifacies* Hesse, 1952 [= *Isotamia daveyi* Bezzi, 1912], by original designation.

OGILVIELLA Paramonov, 1954a: 26 (as genus). Type species: *Ogilviella tridentata* Paramonov, 1954 [= *Isotamia daveyi* Bezzi, 1912], by monotypy.

STENOLONIA Bowden, 1975c: 319. Type species: *Exoprosopa loxospila* Hesse, 1956, by original designation.

annandalei

Exoprosopa annandalei Brunetti, 1909a: 469. TYPE LOCALITY: “Lower Burma” [= Myanmar] [2S in NZSI].

DISTRIBUTION: **Oriental**: India (Tamil Nadu), Myanmar.

auriplena

Anthrax auriplena Walker, 1852: 171. TYPE LOCALITY: “East Indies” [= India] [H in

BMNH*].

DISTRIBUTION: **Oriental:** India.

azaniae

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

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

bangalorensis

Exoprosopa bangalorensis Zaitzev, 1987: 649 [1988: 7]. TYPE LOCALITY: India (Karnataka) [H in ZMUC].

DISTRIBUTION: **Oriental:** India (Karnataka).

brahma

Exoprosopa brahma Schiner, 1868b: 118. TYPE LOCALITY: “Ceylon” [= Sri Lanka] [2S in NMW].

DISTRIBUTION: **Oriental:** India (Karnataka, Tamil Nadu), Sri Lanka.

brunettii

Exoprosopa brunettii Zaitzev, 1987: 646 [1988: 3]. TYPE LOCALITY: India (Karnataka) [H in ZMUC].

DISTRIBUTION: **Oriental:** India (Karnataka), Sri Lanka.

ceuthodonta

Exoprosopa ceuthodonta Hesse, 1936: 180. TYPE LOCALITY: Botswana [S in NMSA*].

DISTRIBUTION: **Afrotropical:** Botswana.

daveyi

Isotamia daveyi Bezzi, 1912: 628. TYPE LOCALITY: “North Nyasa” [= Malawi] [H in BMNH*].

Francoisia sulcifacies Hesse, 1952: 4. TYPE LOCALITY: “Belgian Congo” [= Congo] [H in KBIN].

Ogilviella tridentata Paramonov, 1954a: 26. TYPE LOCALITY: Congo [H in BMNH*].

DISTRIBUTION: **Afrotropical:** Burundi, Congo, Malawi.

insulata

Anthrax insulata Walker, 1852: 172. TYPE LOCALITY: “East Indies” [= India] [2S in BMNH*].

Exoprosopa octonotata Bigot in Brunetti, 1909b: 446. [Unavailable; name proposed in synonymy with *Anthrax insulata* Walker and not made available before 1961.]

Exoprosopa 8-notata Bigot in Brunetti, 1920: 204. [Unavailable; name proposed in synonymy with *Anthrax insulata* Walker and not made available before 1961.]

DISTRIBUTION: **Oriental:** India (Assam, Bihar, Himachal Pradesh, Karnataka, Madhya Pradesh, Maharashtra, Meghalaya, Tamil Nadu, Uttar Pradesh, West Bengal), Myanmar, Nepal, Sri Lanka.

javana

Exoprosopa javana Macquart, 1840: 49 [1841: 327]. TYPE LOCALITY: Indonesia (Java) [H in MNHN*].

DISTRIBUTION: **Oriental:** Indonesia (Java).

lankiensis

Exoprosopa lankiensis Zaitzev, 1988b: 869 [1990: 115]. TYPE LOCALITY: India (Karnataka) [H in ZMUC].

DISTRIBUTION: **Oriental:** India (Karnataka), Sri Lanka.

lepidogastra

Exoprosopa lepidogastra Bezzi, 1912: 639. TYPE LOCALITY: “North Nyasa” [= Malawi] [H in BMNH*].

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

loxospila

Exoprosopa loxospila Hesse, 1956b: 843. TYPE LOCALITY: South Africa (Gauteng) [H in NMSA*].

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

maculiventris

Exoprosopa maculiventris Brunetti, 1920: 200. TYPE LOCALITY: India (Punjab) [H in NZSI].

DISTRIBUTION: **Oriental**: India (Karnataka, Punjab).

mudigerensis

Exoprosopa mudigerensis Zaitzev, 1987: 648 [1988: 5]. TYPE LOCALITY: India (Karnataka) [H in ZMUC].

DISTRIBUTION: **Oriental**: India (Karnataka).

mydasiformis

Exoprosopa mydasiformis Bezzi, 1924a: 271. TYPE LOCALITY: “Kenya Colony” [= Kenya] [H in BMNH*].

DISTRIBUTION: **Afrotropical**: Kenya.

sipho

Exoprosopa sipho Aldrich, 1928: 2. TYPE LOCALITY: India (Meghalaya) [H in USNM*].

DISTRIBUTION: **Oriental**: India (Meghalaya).

siva

Exoprosopa siva Nurse, 1922a: 634. TYPE LOCALITY: India (Maharashtra) [4S in BMNH*].

DISTRIBUTION: **Oriental**: India (Himachal Pradesh, Karnataka, Maharashtra, Orissa, Tamil Nadu).

spiloneura

Exoprosopa spiloneura Bezzi, 1926b: 271. TYPE LOCALITY: Egypt [H (destroyed) in PPDD (see Note 4)].

DISTRIBUTION: **Palearctic**: Egypt.

stylata

Exoprosopa stylata Brunetti, 1920: 201. TYPE LOCALITY: “Ceylon” [= Sri Lanka] [H in BMNH*].

DISTRIBUTION: **Oriental**: India (Karnataka), Sri Lanka.

tarikerensis

Exoprosopa tarikerensis Zaitzev, 1987: 645 [1988: 2]. TYPE LOCALITY: India (Karnataka) [H in ZMUC].

DISTRIBUTION: **Oriental**: India (Karnataka).

Subgenus **MESOCLIS** Bezzi

MESOCLIS Bezzi, 1921a: 139 [1922b: 105; 1922c: 143; 1924a: 228, 229] (as subgenus of *Exoprosopa* Macquart). Type species: *Anthrax pygmalion* Fabricius, 1805, by

monotypy (as “*varinerius-pygmalian*, Fabr.”).

pygmalion

Anthrax pygmalion Fabricius, 1805: 124. TYPE LOCALITY: “Algeriae” [= Algeria or Morocco] [2S in ZMUC].

Exoprosopa varinevris Macquart, 1840: 41 [1841: 319]. TYPE LOCALITY: “D’Alger” [= Algeria or Morocco] [4S in MNHN*].

Exoprosopa zona Bigot, 1860: viii. *Nomen nudum*.

Exoprosopa zona Bigot, 1861: 773. TYPE LOCALITY: Italy (Sicily) [4S in UMO*].

Exoprosopa delineata Becker, 1906c: 150. TYPE LOCALITY: Tunisia [H in ZMHB*].
varinerius, *varinervis*, *varineurus*, errors for *varinevris*.

DISTRIBUTION: **Palaearctic**: Algeria, Egypt, France (Corsica), Italy (incl. Sicily), Libya, Morocco, Tunisia.

Subgenus METAPENTA Bezzi

METAPENTA Bezzi, 1921a: 138, 139 [1922a: 84; 1923b: 330; 1924a: 230] (as subgenus of *Exoprosopa* Macquart). Type species: *Exoprosopa pentala* Macquart, 1840, by subsequent designation (Bezzi, 1924a: 230).

METAPEUTA, incorrect original spelling of *Metapenta* (Bezzi, 1921a: 2).

atrella

Exoprosopa atrella Hesse, 1956b: 732. TYPE LOCALITY: “Southern Rhodesia” [= Zimbabwe] [H in NMSA*].

DISTRIBUTION: **Afrotropical**: Botswana, Malawi, Mozambique, Zimbabwe.

cadicerina

Exoprosopa cadicerina Bezzi, 1924a: 232. TYPE LOCALITY: South Africa (KwaZulu-Natal) [2S in BMNH*].

DISTRIBUTION: **Afrotropical**: South Africa (KwaZulu-Natal).

cingulalis

Exoprosopa cingulalis Hesse, 1956b: 734. TYPE LOCALITY: South Africa (Northern Cape) [5S in SAMC*; 1S in BPBM*].

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

clathrata

Exoprosopa clathrata Bezzi, 1923b: 330 [1924a: 231 (key only)]. TYPE LOCALITY: “Kenya Protectorate” [= Kenya] [H in MNHN*].

DISTRIBUTION: **Afrotropical**: Kenya.

corvina

Exoprosopa corvina Loew, 1860a: 95 [1860b: 315; 1860c: 243]. TYPE LOCALITY: “Caffraria” [= South Africa (Eastern Cape)] [H in NHRS].

DISTRIBUTION: **Afrotropical**: Malawi, Namibia, South Africa (Eastern Cape, Free State, KwaZulu-Natal), Zimbabwe.

dubia

Exoprosopa dubia Ricardo, 1901: 102. TYPE LOCALITY: South Africa (Gauteng) [2S in BMNH*].

DISTRIBUTION: **Afrotropical**: South Africa (Gauteng), Zimbabwe.

furvipennis

Exoprosopa furvipennis Hesse, 1956b: 730. TYPE LOCALITY: “South-West Africa” [=

Namibia] [H in SAMC].

DISTRIBUTION: **Afrotropical**: Namibia.

melanostola

Exoprosopa melanostola Hesse, 1956b: 731. TYPE LOCALITY: South Africa (Northern Province) [H in NMSA*].

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

pentala

Exoprosopa pentala Macquart, 1840: 47 [1841: 325]. TYPE LOCALITY: “Du Cap” [= South Africa (Western Cape)] [H in MNHN*].

Exoprosopa reticulata Loew, 1860a: 95 [1860b: 316; 1860c: 244]. TYPE LOCALITY: “Cap. B. Sp.” [= South Africa (Western Cape)] [H in ZMHB*].

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

venosa

Anthrax venosa Wiedemann, 1819a: 9. TYPE LOCALITY: “Prom. bon. sp.” [= South Africa (Western Cape)] [1S in NMW*; 3S in ZMHB*; 2S in ZMUC].

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

Subgenus **ZYGODIPLA** Bezzi

ZYGODIPLA Bezzi, 1924a: 244 (as subgenus of *Exoprosopa* Macquart) [1926b: 268 (as genus)]. Type species: *Anthrax algira* Fabricius, 1794, by original designation.

CORYCETTA Hull, 1973: 413 (as subgenus of *Exoprosopa* Macquart). Type species: *Exoprosopa subfasciata* Engel, 1936, by original designation.

abjecta

Exoprosopa abjecta Nurse, 1922a: 635. TYPE LOCALITY: India (Maharashtra) [8S in BMNH*].

DISTRIBUTION: **Oriental**: India (Maharashtra).

adelpha

Exoprosopa adelpha Becker, 1906c: 152. TYPE LOCALITY: Algeria [T in UNKN (not in KBIN or ZMHB)].

DISTRIBUTION: **Palaeartic**: Algeria, Tunisia.

aeaca

Anthrax aeacus Meigen, 1804: 208. TYPE LOCALITY: Portugal [1S in MNHN*; 2S in ZMHB*].

Anthrax livida Pallas in Wiedemann, 1818a: 15. TYPE LOCALITY: “In Chersoneso Taurica” [= Russia (SET) (see Pont, 1995: 151)] [T in NMW (see Note 20)].

Anthrax bombyciformis Dufour, 1833: 214 [1836: 470]. TYPE LOCALITY: Spain [T (lost) in MNHN].

Exoprosopa lutea Macquart, 1840: 40 [1841: 318]. TYPE LOCALITY: “nord de l’Afrique” & Spain [1S (lost) in MNHN; 2S in UMO*].

DISTRIBUTION: **Afrotropical**: Yemen. **Palaeartic**: Afghanistan, Armenia, Azerbaijan, Austria, Bulgaria, Croatia, France, Iran, Israel, Italy (incl. Sicily), Kazakhstan, Kyrgyz Republic, Macedonia, Moldova, Oman, Portugal, Russia (SET), Saudi Arabia, Slovenia, Spain, Switzerland, Syria, Tajikistan, Turkey, Turkmenistan, Ukraine, United Arab Emirates, Uzbekistan, Yugoslavia.

albida

Anthrax albida Walker, 1852: 171. TYPE LOCALITY: “East Indies” [= India] [H in BMNH*].

albidia, error for *albida*.

DISTRIBUTION: **Oriental**: India (Maharashtra).

algira

Anthrax algira Fabricius, 1794: 258. TYPE LOCALITY: “Barbaria” [= Algeria] [S (lost in MNHN)].

Anthrax sicula Macquart, 1834: 401. TYPE LOCALITY: Italy (Sicily) [T in UNKN (originally in Lefebvre Collection)].

Exoprosopa archimedeae Bigot, 1860: viii. *Nomen nudum*.

Exoprosopa archimedeae Bigot, 1861: 774. TYPE LOCALITY: Italy (Sicily) [H in UMO*].

DISTRIBUTION: **Palaeartic**: Afghanistan, Algeria, Egypt, France, Greece, Iran, Italy (incl. Sicily), Morocco, Spain, Tajikistan, Tunisia, Turkey, Turkmenistan, Uzbekistan, Yugoslavia.

bagdadensis

Anthrax bagdadensis Macquart, 1840: 43 [1841: 321]. TYPE LOCALITY: Iraq [H in MNHN*].

Exoprosopa subfasciata Loew, 1871: 158. *Nomen nudum*.

Exoprosopa clausa Becker & Stein, 1912: 604. *Nomen nudum*.

Exoprosopa clausa Becker in Becker & Stein, 1913a: 560. TYPE LOCALITY: Iran [H in ZIS].

DISTRIBUTION: **Palaeartic**: Armenia, Azerbaijan, Egypt, Iran, Iraq, Israel (incl. West Bank), Mongolia, Oman, Saudi Arabia, United Arab Emirates.

beckeri

Exoprosopa beckeri Austen, 1913: 461. TYPE LOCALITY: Algeria [H in BMNH*].

DISTRIBUTION: **Palaeartic**: Algeria.

bezzii

Exoprosopa bezzii Paramonov, 1928a: 213(35). TYPE LOCALITY: Egypt [2S (destroyed) in PPDD (see Note 4)].

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

bisecta

Heteralonia bisecta Greathead, 1988: 109. TYPE LOCALITY: Saudi Arabia [H in BMNH*].

DISTRIBUTION: **Palaeartic**: Saudi Arabia.

chorogensis

Exoprosopa chorogensis Belanovsky, 1950: 138. TYPE LOCALITY: Tajikistan [H in SIZK].

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

completa

Exoprosopa completa Loew, 1873: 161. TYPE LOCALITY: Kazakhstan & Uzbekistan [3S in ZMHB*].

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

deserta

Exoprosopa deserta Paramonov, 1928a: 224(46). TYPE LOCALITY: Turkmenistan [H in SIZK].

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

eremophila

Exoprosopa eremophila Greathead, 1970: 113. TYPE LOCALITY: Mali [H in BMNH*].
DISTRIBUTION: **Afrotropical**: Mali, Niger.

fallaciosa

Exoprosopa fallaciosa Loew, 1873: 162. TYPE LOCALITY: Turkmenistan [H in ZMHB*].

Exoprosopa evanescens Becker & Stein, 1912: 604. *Nomen nudum*.

Exoprosopa evanescens Becker in Becker & Stein, 1913a: 559. TYPE LOCALITY: Iran [H in ZIS].

DISTRIBUTION: **Afrotropical**: Yemen. **Oriental**: Pakistan. **Palaeartic**: Afghanistan, Iran, Israel, Oman, Saudi Arabia, Tajikistan, Turkmenistan, United Arab Emirates, Uzbekistan.

fusconotata

Exoprosopa fusconotata Becker & Stein, 1912: 604. *Nomen nudum*.

Exoprosopa fusconotata Becker in Becker & Stein, 1913a: 566. TYPE LOCALITY: Iran [H in ZIS].

DISTRIBUTION: **Oriental**: Pakistan. **Palaeartic**: Iran, Turkmenistan.

hermani

Exoprosopa hermani François, 1967b: 279. TYPE LOCALITY: Israel [H in KBIN*].

DISTRIBUTION: **Palaeartic**: Israel.

interstitialis

Exoprosopa interstitialis Nurse, 1922a: 636. TYPE LOCALITY: Pakistan [H in BMNH*].

DISTRIBUTION: **Oriental**: Pakistan. **Palaeartic**: Afghanistan.

kirgizorum

Exoprosopa kirgizorum Paramonov, 1928a: 238(60). TYPE LOCALITY: Kyrgyz Republic [H in ZIS].

Exoprosopa uzbekorum Paramonov, 1928a: 280(102). TYPE LOCALITY: Uzbekistan [H (lost) in SIZK].

DISTRIBUTION: **Palaeartic**: Armenia, Azerbaijan, Gruzia, Kyrgyz Republic, Tajikistan, Uzbekistan.

latiuscula

Exoprosopa latiuscula Loew, 1873: 154. TYPE LOCALITY: Uzbekistan [H in UNKN].

Exoprosopa farinosa Becker & Stein, 1912: 604. *Nomen nudum*.

Exoprosopa farinosa Becker in Becker & Stein, 1913a: 562. TYPE LOCALITY: Iran [L designated by Zaitzev (1972d: 905) in ZIS].

DISTRIBUTION: **Palaeartic**: Afghanistan, Armenia, Azerbaijan, Gruzia, Iran, Mongolia, Tajikistan, Turkmenistan, Uzbekistan.

lugubris

Exoprosopa lugubris Macquart, 1840: 42 [1841: 320]. TYPE LOCALITY: “d’Arabie” [H in MNHN*].

DISTRIBUTION: **Palaeartic**: Kuwait, Oman, Saudi Arabia, United Arab Emirates.

melanoptera

Anthrax melanoptera Pallas & Wiedemann in Wiedemann, 1818a: 11. TYPE LOCALITY: “in australioribus deserti tatarici” [probably = Russia (CET or SET) (see Pont, 1995: 150)] [T in NMW (see Note 20)].

DISTRIBUTION: **Palaeartic**: Armenia, Cyprus, Iran, Russia (CET), Syria.

mira

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

mucorea

Anthrax mucorea Klug, 1832: pl. 30, fig. 6. TYPE LOCALITY: “Arabia deserta” [= Saudi Arabia (see Baker, 1997: 195)] [H in ZMHB*].

DISTRIBUTION: **Palaeartic**: Afghanistan, Algeria, Egypt, Iran, Kuwait, Kyrgyz Republic, Oman, Saudi Arabia, Syria, Tajikistan, Tunisia, Turkmenistan, United Arab Emirates, Uzbekistan.

normalis

Exoprosopa normalis Loew, 1869b: 208. TYPE LOCALITY: Greece & “griechischen Inseln” [4S in ZMHB*].

DISTRIBUTION: **Palaeartic**: Greece (incl. Rhodes), Italy, Turkey, Turkmenistan, Uzbekistan, Yugoslavia.

nubeculosa

Exoprosopa nubeculosa Loew, 1871: 205 [1872b: 56]. TYPE LOCALITY: Tajikistan [H in ZMHB*].

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

occlusa

Exoprosopa occlusa Loew, 1873: 158. TYPE LOCALITY: Uzbekistan [2S in ZMHB*].

DISTRIBUTION: **Palaeartic**: Afghanistan, Iran, Kazakhstan, Kyrgyz Republic, Tajikistan, Turkmenistan, Uzbekistan.

occlusoides

Exoprosopa occlusoides Paramonov, 1928a: 256(78). TYPE LOCALITY: Turkmenistan [2S in SIZK].

Exoprosopa occlusoides var. *lactea* Paramonov, 1928a: 257(79). TYPE LOCALITY: Tajikistan [L designated by Zaitzev & Kandybina (1983: 26) in ZIS].

DISTRIBUTION: **Palaeartic**: Kazakhstan, Kyrgyz Republic, Tajikistan, Turkmenistan, Uzbekistan.

olivierii

Exoprosopa olivierii Macquart, 1840: 42 [1841: 320]. TYPE LOCALITY: “Arabie” [2S in MNHN*].

DISTRIBUTION: **Afrotropical**: Yemen. **Palaeartic**: Egypt, Israel (incl. West Bank), Saudi Arabia, United Arab Emirates.

rivulosa

Exoprosopa rivulosa Becker, 1902: 26. TYPE LOCALITY: Egypt [3S in ZMHB*].

DISTRIBUTION: **Palaeartic**: Egypt, Iran, Israel, Turkey.

sabulina

Exoprosopa sabulina Becker & Stein, 1912: 604. *Nomen nudum*.

Exoprosopa sabulina Becker in Becker & Stein, 1913a: 567. TYPE LOCALITY: Iran [H in ZIS].

DISTRIBUTION: **Palaeartic**: Iran.

singularis

Exoprosopa singularis Macquart, 1840: 32 [1841: 310]. TYPE LOCALITY: Morocco [2S in MNHN*].

DISTRIBUTION: **Afrotropical**: Yemen. **Palaeartic**: Egypt, Israel, Libya, Moroc-

co, Oman, Saudi Arabia, United Arab Emirates.

suavipennis

Exoprosopa suavipennis Macquart, 1850: 409(105). TYPE LOCALITY: Cape Verde Is [H in UMO*].

DISTRIBUTION: **Afrotropical**: Cape Verde Is, Gambia, Mauritania, Senegal.

subfasciata

Exoprosopa subfasciata Engel, 1936d: 515. TYPE LOCALITY: Turkey [2S in NMW].

DISTRIBUTION: **Palaeartic**: Armenia, Azerbaijan, Gruzia, Iran, Turkey.

submucorea

Heteralonia submucorea Greathead, 1980a: 245. TYPE LOCALITY: Oman [H in BMNH*].

DISTRIBUTION: **Palaeartic**: Oman.

tephroleuca

Exoprosopa tephroleuca Loew, 1856: 30. TYPE LOCALITY: Egypt [1S in ZMHB*].

DISTRIBUTION: **Afrotropical**: Sudan. **Palaeartic**: Egypt.

tephroptera

Exoprosopa tephroptera Zaitzev, 1977c: 959. TYPE LOCALITY: Afghanistan [H in MMBC].

DISTRIBUTION: **Palaeartic**: Afghanistan.

Subgenerically Unplaced Species of **HETERALONIA** Rondani

araxana

Exoprosopa araxana Paramonov, 1928a: 208(30). TYPE LOCALITY: Armenia [2S in SIZK].

Exoprosopa meridionalis Paramonov, 1928a: 246(69). TYPE LOCALITY: Kazakhstan [L designated by Zaitzev & Kandybina (1983: 27) in ZIS].

DISTRIBUTION: **Palaeartic**: Armenia, Iran, Kazakhstan, Uzbekistan.

arenacea

Exoprosopa arenacea Becker, 1906c: 151. TYPE LOCALITY: Algeria [T in UNKN].

DISTRIBUTION: **Palaeartic**: Algeria, Morocco, Tunisia.

argentifera

Anthrax argentifera Walker, 1849: 263. TYPE LOCALITY: Not given [= unknown] [H in BMNH*].

DISTRIBUTION: **Patria Ignota**: Unknown.

dissoluta

Exoprosopa dissoluta Nurse, 1922a: 638. TYPE LOCALITY: Pakistan [6S in BMNH*].

DISTRIBUTION: **Oriental**: Pakistan.

mesomelaena

Anthrax mesomelaena Lichtenstein, 1796: 214. TYPE LOCALITY: "Cap. bon. spei." [= South Africa (Western Cape)] [T in UNKN (sold at auction)].

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

phaeoptera

Anthrax phaeoptera Wiedemann in Meigen, 1820: 174. TYPE LOCALITY: "Oesterreich" [probably = Austria] [S (destroyed) in NMW (see Note 18)].

Mima titanus Megerle in Meigen, 1820: 174. [Unavailable; name proposed in syn-

onymy with *Anthrax phaeoptera* Meigen and not made available before 1961.]
[Preoccupied by Fabricius, 1798.]

DISTRIBUTION: **Palaearctic**: “Oesterreich” [probably = Austria].

scutellata

Exoprosopa scutellata Bhalla, Grewel & Kapoor, 1991: 19. TYPE LOCALITY: India (Himachal Pradesh) [H in INPC].

DISTRIBUTION: **Oriental**: India (Himachal Pradesh).

Genus **HYPERALONIA** Rondani

HYPERALONIA Rondani, 1863: 58 [1864: 58]. Type species: *Anthrax erythrocephala* Fabricius, 1805, by subsequent designation (Dallas, 1866: 649).

atra

Hyperalonia ater Painter in Painter & Painter, 1968b: 110. TYPE LOCALITY: Argentina [H in IMLA].

DISTRIBUTION: **Neotropical**: Argentina.

chilensis

Hyperalonia chilensis Rondani, 1863: 59 [1864: 59]. TYPE LOCALITY: Chile [H in MZUN].

DISTRIBUTION: **Neotropical**: Chile, Peru.

diminuta

Hyperalonia diminuta Couri & Lamas, 1994: 119. TYPE LOCALITY: Brazil (Goiás) [H in MNRJ].

DISTRIBUTION: **Neotropical**: Brazil (Goiás).

morio ssp. **erythrocephala**

Anthrax erythrocephala Fabricius, 1805: 118. TYPE LOCALITY: “America meridionali” [2S in ZMUC].

Anthrax flaviceps Guérin-Méneville, 1844: 539. TYPE LOCALITY: Brazil (Pará) & “Brésil” [= Brazil or Uruguay] [S in UNKN].

Exoprosopa coeruleiventris Macquart, 1846: 237(109). TYPE LOCALITY: “Brésil” [2S in BMNH*].

DISTRIBUTION: **Neotropical**: Brazil (Bahia, Ceará, Maranhão, Mato Grosso, Pará, Rio de Janeiro, Rio Grande do Norte, São Paulo), French Guiana, Guyana, Suriname, Venezuela.

morio ssp. **morio**

Stomoxys morio Fabricius, 1775: 797. TYPE LOCALITY: “Brasilia” [= Brazil or Uruguay] [S (lost) in BMNH].

DISTRIBUTION: **Neotropical**: Argentina, Bolivia, Brazil (Amazonas, Ceará, Espírito Santo, Goiás, Mato Grosso, Mato Grosso do Sul, Minas Gerais, Paraná, Rio de Janeiro, Rio Grande do Sul, Rondonia, Santa Catarina, São Paulo), Chile, Paraguay, Uruguay.

surinamensis

Hyperalonia surinamensis Rondani, 1863: 58 [1864: 58]. TYPE LOCALITY: Suriname [H in MZUN].

DISTRIBUTION: **Neotropical**: Brazil (Amazonas, Bahia, Mato Grosso, Pará, São Paulo), Colombia, Ecuador, Guyana, Peru, Suriname.

Genus **LIGYRA** Newman

LIGYRA Newman, 1841: 220. Type species: *Anthrax bombylifformis* Macleay, 1826, by monotypy.

VELOCIA Coquillett, 1886c: 158. Type species: *Anthrax cerberus* Fabricius, 1794, by original designation. [Preoccupied by Robineau-Desvoidy, 1863.]

PARANTHRAX Paramonov, 1931b: 57(57). Type species: *Paranthrax africanus* Paramonov, 1931 [= *Hyperalonia niveifrons* Bezzi, 1914], by monotypy. [Preoccupied by *Paranthrax* Bigot, 1876.]

PARANTHRACINA Paramonov, 1933d: 56 [1934a: 27; 1936a: 31] (replacement name for *Paranthrax* Paramonov, 1931). Type species: *Paranthrax africanus* Paramonov, 1931 [= *Hyperalonia niveifrons* Bezzi, 1914], automatic.

LYGIRA, error for *Ligyra*.

VULPIA, error for *Velocia*.

alacer

Ligyra alacer Painter in Painter & Painter, 1969: 6. TYPE LOCALITY: Mexico (Oaxaca) [H in USNM*].

DISTRIBUTION: **Nearctic**: Mexico (Colima, Guerrero, Jalisco, Morelos, Puebla, Tamaulipas, Veracruz-Llave). **Neotropical**: Guatemala, Mexico (Chiapas, Oaxaca).

alea

Ligyra alea Bowden, 1971d: 321. TYPE LOCALITY: PNG (Bismarck Arch) [H in ZMUC].

DISTRIBUTION: **Australasian/Oceanian**: PNG (Bismarck Arch).

alula

Exoprosopa alula Bezzi, 1906: 259. TYPE LOCALITY: Eritrea [S (lost) in MSNM; S in MZUF].

DISTRIBUTION: **Afrotropical**: Eritrea, Ethiopia.

antica

Exoprosopa antica Walker, 1871a: 261. TYPE LOCALITY: Sudan [1S in BMNH*].

Exoprosopa walkeri Evenhuis, 1978c: 103 (new replacement name for *Exoprosopa antica* Walker, 1871; secondary homonym preoccupied at the time in *Exoprosopa* by *Anthrax antica* Walker, 1852).

DISTRIBUTION: **Afrotropical**: Sudan.

argyura

Hyperalonia argyura Brunetti, 1909b: 442. TYPE LOCALITY: Not given [= ?India] [5S in BMNH*]. [Name proposed in synonymy with *Hyperalonia oenomaus* Rondani; validated by Meijere (1924: 209).]

Hyperalonia argyura Meijere, 1924: 209. TYPE LOCALITY: Indonesia (Java) [3S in ZMAN]. [Preoccupied by Brunetti, 1909.]

DISTRIBUTION: **Oriental**: ?India, Indonesia (Java).

astarte

Ligyra astarte Greathead, 1980b: 336. TYPE LOCALITY: Saudi Arabia [H in BMNH*].

DISTRIBUTION: **Palaeartic**: Saudi Arabia.

atricosta

Hyperalonia atricosta Bezzi, 1924a: 366. TYPE LOCALITY: “N. Nyasa” [= Malawi] & “S. Nyasa” [= Malawi] [10S in BMNH*; 2S in MSNM].

DISTRIBUTION: **Afrotropical**: Malawi, Mozambique.

audouinii

Exoprosopa audouinii Macquart, 1840: 36 [1841: 314]. TYPE LOCALITY: “Indes orientales” [= Philippines (from type specimen label data)] [H in MNHN*].

Exoprosopa albicincta Macquart, 1840: 48 [1841: 326]. TYPE LOCALITY: “Patrie inconnue” [= China (from type specimen label data)] [H in MNHN*].

Hyperalonia formosana Paramonov, 1931b: 195(195). TYPE LOCALITY: Taiwan [3S in DEI*; S (lost) in SIZK; S (destroyed) in ZMUH (see Note 6)].

Hyperalonia macassarensis Paramonov, 1931b: 198(198). TYPE LOCALITY: Indonesia (Sulawesi) [2S (destroyed) in ZMUH (see Note 6); 1S in DEI*].

DISTRIBUTION: **Australasian/Oceanian**: Indonesia (Irian Jaya, Maluku). **Oriental**: China (Fujian), Indonesia (Java, Nusa Tenggara, Sulawesi), Philippines, Taiwan. **Palaearctic**: China (Shanghai).

aurantiaca

Anthrax aurantiaca Guérin-Méneville, 1835: pl. 95, fig. 6 [1844: 539]. TYPE LOCALITY: Not given [“Bengale” = India (Bihar or West Bengal) (see Guérin-Méneville, 1844: 539)] [H in MNHN*].

Anthrax pulchra Walker, 1852: 169. TYPE LOCALITY: Not given [= India] [H (lost) in BMNH (J.E. Chainey, pers. comm.)].

DISTRIBUTION: **Oriental**: India (Bihar, Tamil Nadu, West Bengal).

bizona

Exoprosopa bizona Walker, 1850: xcvi. TYPE LOCALITY: Brazil (Pará) [H in BMNH*].

DISTRIBUTION: **Neotropical**: Brazil (Pará).

bombyliformis

Anthrax bombyliformis Macleay, 1826: 468. TYPE LOCALITY: Not given [probably = Australia (NT or WA) (original type locality)]; Australia (NSW) (neotype locality) [N designated by Paramonov (1967: 129) in ANIC*].

Exoprosopa albiventris Thomson, 1869: 480. TYPE LOCALITY: Australia (NSW) [H in NHRS]. [Preoccupied by Macquart, 1840.]

bombiliformis, *bombyliformis*, errors for *bombyliformis*.

DISTRIBUTION: **Australasian/Oceanian**: Australia (NSW, NT, Queensland, WA).

burnsi

Ligyra burnsi Paramonov, 1967: 143. TYPE LOCALITY: Australia (NSW) [H in MVMA].

DISTRIBUTION: **Australasian/Oceanian**: Australia (NSW).

calabyana

Ligyra calabyana Paramonov, 1967: 136. TYPE LOCALITY: Australia (WA) [H in ANIC*].

DISTRIBUTION: **Australasian/Oceanian**: Australia (NT, WA).

campbelli

Ligyra campbelli Paramonov, 1967: 139. TYPE LOCALITY: Australia (NT) [H in ANIC*].

DISTRIBUTION: **Australasian/Oceanian**: Australia (NT).

celebesi

Hyperalonia celebesi Paramonov, 1931b: 194(194). TYPE LOCALITY: Indonesia (Sulawesi) [H (destroyed) in ZMUH (see Note 6)].

DISTRIBUTION: **Oriental**: Indonesia (Sulawesi).

cerberus

Anthrax cerberus Fabricius, 1794: 256. TYPE LOCALITY: "Americae meridionalis insulis" [= U.S. Virgin Is] [2S in ZMUC; 4S in ZMHB*].

Exoprosopa servillei Macquart, 1840: pl. 16, fig. 3 [1841: pl. 16, fig. 3]. TYPE LOCALITY: Not given [= Neotropical] [T in UNKN].

Anthrax trifigurata Walker, 1860b: 285. TYPE LOCALITY: "Haiti" [L designated by Painter & Painter (1974: 142) in BMNH*].

Hyperalonia gargantua Knab, 1915: 48. TYPE LOCALITY: Jamaica [H in USNM*].

servillei, incorrect original spelling of *servillei* (Macquart, 1840: 35 [1841: 313]).

DISTRIBUTION: **Neotropical**: Bahamas, Dominican Republic, Haiti, Jamaica, Puerto Rico, U.S. Virgin Is.

chinnicki

Ligyra chinnicki Paramonov, 1967: 138. TYPE LOCALITY: Australia (SA) [H in ANIC*].

DISTRIBUTION: **Australasian/Oceanian**: Australia (NSW, SA, Victoria).

cingulata

Exoprosopa cingulata Wulp, 1885a: 62. TYPE LOCALITY: Australia (SA) [H in RMNH].

Ligyra cingulata var. *incompleta* Paramonov, 1967: 141. [Unavailable; varietal name provisionally proposed after 1960.]

DISTRIBUTION: **Australasian/Oceanian**: Australia (NSW, NT, Queensland, SA, WA).

coleoprata

Hyperalonia coleoprata Bezzi, 1921a: 164. TYPE LOCALITY: South Africa (KwaZulu-Natal) [H in SAMC].

DISTRIBUTION: **Afrotropical**: South Africa (KwaZulu-Natal).

combinata

Anthrax combinata Walker, 1857: 143. TYPE LOCALITY: "China" [H in BMNH*].

DISTRIBUTION: **Oriental** or **Palearctic**: China.

communi

Ligyra communi Paramonov, 1967: 134. TYPE LOCALITY: Australia (Queensland) [H in ANIC*].

DISTRIBUTION: **Australasian/Oceanian**: Australia (Queensland).

cruciata

Ligyra cruciata Bowden, 1971a: 11. TYPE LOCALITY: PNG (PNG) [H in ANIC*].

DISTRIBUTION: **Australasian/Oceanian**: PNG (PNG).

cupido

Hyperalonia cupido Bezzi, 1924a: 377. TYPE LOCALITY: "Nyasaland" [= Malawi] [2S in MSNM; 11S in BMNH*].

DISTRIBUTION: **Afrotropical**: Malawi.

curvata

Hyperalonia curvata Meijere, 1911: 298. TYPE LOCALITY: Indonesia (Java) [2S in ZMAN].

DISTRIBUTION: **Oriental**: Indonesia (Java, Sulawesi).

dammermani

Ligyra dammermani Evenhuis & Yukawa, 1986: 456. TYPE LOCALITY: Indonesia (Java) [H in MBBJ*].

DISTRIBUTION: **Oriental:** Indonesia (Java).

demonstrans

Anthrax demonstrans Walker, 1859: 112. TYPE LOCALITY: Indonesia (Sulawesi) [H in BMNH*].

DISTRIBUTION: **Oriental:** Indonesia (Sulawesi).

dentata

Hyperalonia dentata Roberts, 1928a: 102. TYPE LOCALITY: Australia (Victoria) [H in QM].

DISTRIBUTION: **Australasian/Oceanian:** Australia (Victoria).

devecta

Anthrax devecta Walker, 1860a: 148. TYPE LOCALITY: Indonesia (Maluku) [H in BMNH*].

delecta, error for *devecta*.

DISTRIBUTION: **Australasian/Oceanian:** Indonesia (Maluku).

dido

Hyperalonia dido Osten Sacken, 1886a: 91. TYPE LOCALITY: Mexico (Tres Marias Is) [1S in BMNH*].

DISTRIBUTION: **Nearctic:** Mexico (Tres Marias Is).

dives

Anthrax dives Walker, 1849: 240. TYPE LOCALITY: Bangladesh [2S in BMNH*].

DISTRIBUTION: **Oriental:** Bangladesh.

doryca

Anthrax doryca Boisduval, 1835: 665. TYPE LOCALITY: Indonesia (Maluku) [T (lost in MNHN)].

Anthrax pelops Walker, 1858: 90. TYPE LOCALITY: Indonesia (Maluku) [H in BMNH*].

DISTRIBUTION: **Australasian/Oceanian:** Australia (NSW, Queensland), Indonesia (Irian Jaya, Maluku), PNG (Bismarck Arch, Bougainville I, PNG), Solomon Is. **Oriental:** Indonesia (Java, Timor).

enderleini

Hyperalonia enderleini Paramonov, 1929b: 186(188). TYPE LOCALITY: Cameroon [L designated by Evenhuis & Greathead (1999: 665) in ZMHB*].

DISTRIBUTION: **Afrotropical:** Cameroon, Kenya, Malawi, Mozambique, Senegal, Somalia, Tanzania (incl. Zanzibar), Uganda.

erato

Ligyra erato Bowden, 1971d: 318. TYPE LOCALITY: Philippines [H in ZMUC].

DISTRIBUTION: **Oriental:** Philippines.

erebus

Anthrax erebus Walker, 1849: 238. TYPE LOCALITY: Sierra Leone [H in BMNH*].

DISTRIBUTION: **Afrotropical:** Ivory Coast, Sierra Leone.

evansi

Ligyra evansi Painter in Painter & Painter, 1969: 9. TYPE LOCALITY: Mexico (Morelos) [H in USNM*].

DISTRIBUTION: **Nearctic:** Mexico (Morelos, Puebla). **Neotropical:** Brazil (Amapá), Costa Rica, Mexico (Oaxaca).

eyreana

Ligyra eyreana Paramonov, 1967: 136. TYPE LOCALITY: Australia (SA) [H in MVMA].
DISTRIBUTION: **Australasian/Oceanian:** Australia (SA).

fasciata

Ligyra fasciata Paramonov, 1967: 135. TYPE LOCALITY: Australia (Queensland) [H in ANIC*].
DISTRIBUTION: **Australasian/Oceanian:** Australia (Queensland).

fenestella

Anthrax fenestella Wiedemann, 1828: 562. TYPE LOCALITY: Suriname [1S in SMFD; 1S in ZMHB*].
Hyperalonia fenestrella Paramonov, 1931b: 60(60) (unjustified emendation of *Anthrax fenestella* Wiedemann, 1828).
DISTRIBUTION: **Neotropical:** Suriname.

fenestralis

Anthrax fenestralis Wiedemann, 1830: 633. TYPE LOCALITY: “Brasilien” [= Brazil (Pará) (from type specimen label data)] [L designated by Painter & Painter (1974: 144) in ZMHB*].
DISTRIBUTION: **Neotropical:** Brazil (Amazonas, Mato Grosso, Pará, São Paulo).

ferrea

Anthrax ferrea Walker, 1849: 240. TYPE LOCALITY: Albania [2S in BMNH*].
Exoprosopa versicolor Loew, 1869b: 202. [Unavailable; name proposed in synonymy with *Exoprosopa ferrea* Walker and not made available before 1961.]
DISTRIBUTION: **Palearctic:** Albania, Armenia, Azerbaijan, Bulgaria, Cyprus, France, Greece (incl. Corfu, Rhodes), Gruzia, Italy (Sicily), Moldova, Romania, Russia (SET), Ukraine.

flaviventris

Anthrax flaviventris Doleschall, 1857: 400. TYPE LOCALITY: Indonesia (Maluku) [1S in NMW*].
DISTRIBUTION: **Australasian/Oceanian:** Indonesia (Maluku). **Oriental:** India (Andaman Is, Assam, Karnataka, Kerala, Sikkim), Myanmar.

flavofasciata

Exoprosopa flavofasciata Macquart, 1855: 90(70) [as “flavo-fasciata” on p. 149 (129)]. TYPE LOCALITY: “Chine boréale” [H in UMO*].
DISTRIBUTION: **Palearctic:** China (Beijing, Jiangxi), Japan, Korea.

flavosparsa

Hyperalonia flavosparsa Bigot, 1892: 343. TYPE LOCALITY: “Brésil” [= Brazil or Uruguay] [L designated by Painter & Painter (1974: 146) in BMNH*].
DISTRIBUTION: **Neotropical:** “Brésil”.

flavotomentosa

Hyperalonia flavotomentosa Meijere, 1929: 386(416). TYPE LOCALITY: Indonesia (Maluku) [2S in ZMAN].
DISTRIBUTION: **Australasian/Oceanian:** Indonesia (Maluku).

flora

Hyperalonia oenomaus var. *flora* Frey, 1934: 318. TYPE LOCALITY: Indonesia (Nusa Tenggara) [11S in MZHF].

DISTRIBUTION: **Oriental**: Indonesia (Nusa Tenggara).

fuscipennis

Exoprosopa fuscipennis Macquart, 1848: 193(33). TYPE LOCALITY: Indonesia (Java) [H in MNHN*].

Anthrax confirmata Walker, 1860b: 283. TYPE LOCALITY: Indonesia (Maluku) [L designated by Evenhuis & Greathead (1999: 646) in BMNH*].

Anthrax coeruleopennis Doleschall, 1857: 400. TYPE LOCALITY: Indonesia (Maluku) [1S in NMW*; 1S in ZMHB*].

Exoprosopa chrysolampis Jaenicke, 1867b: 344 [1868: 36]. TYPE LOCALITY: Indonesia (Java & Maluku) [S in SMFD; S (lost) in HLMD].

caeruleopennis, error for *coeruleopennis*.

DISTRIBUTION: **Australasian/Oceanian**: “Australia”, Indonesia (Maluku), PNG (PNG). **Oriental**: ?Bhutan, “Borneo”, Cambodia, China (Hainan), India (Sikkim, Tamil Nadu), Indonesia (Java, Sulawesi, Sumatra), Malaysia (Peninsular, Sarawak), ?Nepal.

gazophylax

Exoprosopa gazophylax Loew, 1869c: 12 [1872c: 126]. TYPE LOCALITY: USA (California) [H in MCZ*].

DISTRIBUTION: **Nearctic**: Mexico (Guerrero, Nayarit, Sinaloa, Sonora, Veracruz-Llave), USA (Arizona, California). **Neotropical**: Costa Rica, Guatemala, Honduras, Mexico (Oaxaca), Panama.

gebleri

Exoprosopa gebleri Loew, 1854: 3. TYPE LOCALITY: Russia (FE) [4S in ZMHB*].

DISTRIBUTION: **Palaearctic**: Russia (FE).

guerinii

Exoprosopa guerinii Macquart, 1846: 236(108). TYPE LOCALITY: “Brésil” [= Brazil or Uruguay] [H in MNHN*].

DISTRIBUTION: **Neotropical**: Brazil, Costa Rica, Ecuador, Panama, Venezuela.

harpia

Anthrax harpia Wiedemann, 1828: 254. TYPE LOCALITY: “Aus Brasilien” [= Brazil or Uruguay] [2S in NMW; 2S in ZMHB*].

Anthrax phlegeton Walker, 1849: 236. TYPE LOCALITY: “Brazil” [= Brazil or Uruguay] [H in BMNH*].

DISTRIBUTION: **Neotropical**: Brazil (Pará), Haiti, Venezuela.

hela

Exoprosopa albiventris Macquart, 1848: 193(33). TYPE LOCALITY: Brazil (Paraná) [H in BMNH*]. [Preoccupied by Macquart, 1840.]

Anthrax hela Erichson in Schomburgk, 1849: 608. TYPE LOCALITY: Guyana [2S in ZMHB*].

DISTRIBUTION: **Nearctic**: Mexico (Sinaloa, Sonora, Veracruz-Llave). **Neotropical**: Brazil (Paraná), Costa Rica, Guatemala, Guyana, Honduras, Jamaica, Panama, Venezuela.

helena

Exoprosopa helena Loew, 1854: 3. TYPE LOCALITY: “Nubien” [= Eritrea (from type specimen label data)] [1S in ZMHB*].

Exoprosopa gloriosa Walker, 1871a: 260. TYPE LOCALITY: Ethiopia [H in BMNH*].
DISTRIBUTION: **Afrotropical**: Chad, Eritrea, Kenya, Sudan. **Palearctic**: Egypt.

hemifusca

Hyperalonia hemifusca Roberts, 1928a: 97. TYPE LOCALITY: Australia (Queensland) [H in SAMA*].

DISTRIBUTION: **Australasian/Oceanian**: Australia (NT, Queensland, WA).

herzi

Exoprosopa herzi Portschinsky, 1892: 207. TYPE LOCALITY: “Korea” [H in ZIS].

DISTRIBUTION: **Palearctic**: Korea, Russia (FE).

hymalajensis

Hyperalonia hymalajensis Macquart in Costa, 1866: 37. *Nomen nudum*.

inquinata

Hyperalonia inquinata Roberts, 1928a: 103. TYPE LOCALITY: Australia (Queensland) [T in UNKN].

DISTRIBUTION: **Australasian/Oceanian**: Australia (NSW, Queensland).

klugii

Anthrax klugii Wiedemann, 1830: 632. TYPE LOCALITY: “Cassapawa im innern Brasilien” [= Brazil (Rio Grande do Sul)] [L designated by Painter & Painter (1974: 154) in ZMHB*].

DISTRIBUTION: **Nearctic**: ?Mexico (Tamaulipas). **Neotropical**: Argentina, Brazil (Pará, Rio Grande do Sul, Roraima), Paraguay, Uruguay.

latipennis

Hyperalonia orientalis var. *latipennis* Paramonov, 1931b: 199(199). TYPE LOCALITY: “Formosa” [= Taiwan] & Japan [1S in DEI*; 1S in TARI].

latipennis, error for *latipennis*.

DISTRIBUTION: **Oriental**: Taiwan. **Palearctic**: China (Jiangxi), Japan.

latreillii

Anthrax latreillii Wiedemann, 1830: 633. TYPE LOCALITY: “Oaxara im Mexikanischen” [= Mexico (Oaxaca)] [H in ZMHB*].

DISTRIBUTION: **Nearctic**: Mexico (México). **Neotropical**: Argentina, Bolivia, Brazil, Colombia, Costa Rica, Guatemala, Honduras, Jamaica, Mexico (Chiapas, Oaxaca, Tabasco, Yucatán), Panama, Paraguay, Peru.

leptyna

Ligyra leptyna Bowden, 1971a: 12. TYPE LOCALITY: PNG (Bougainville I) [H in ANIC*].

DISTRIBUTION: **Australasian/Oceanian**: PNG (Bougainville I), Solomon Is.

leuconoe

Exoprosopa leuconoe Jaenicke, 1867b: 345 [1868: 37]. TYPE LOCALITY: Indonesia (Maluku) [S (lost) in HLMD].

DISTRIBUTION: **Australasian/Oceanian**: Indonesia (Maluku).

maracaensis

Ligyra maracaensis Lamas & Couri, 1995: 123. TYPE LOCALITY: Brazil (Roraima) [H in MNRJ].

DISTRIBUTION: **Neotropical**: Brazil (Roraima).

mars

Hyperalonia mars Bezzi, 1924a: 373. TYPE LOCALITY: “Nyasaland” [= Malawi] [9S in BMNH*; 1S in MSNM].

DISTRIBUTION: **Afrotropical**: Malawi, Mozambique, South Africa (KwaZulu-Natal), Tanzania, Zimbabwe.

melanoptera

Ligyra melanoptera Bowden, 1964a: 153. TYPE LOCALITY: “Togoland” [= Ghana] [H in BMNH*].

DISTRIBUTION: **Afrotropical**: Ghana, Ivory Coast.

merope

Anthrax merope Wiedemann, 1824: 22. TYPE LOCALITY: “Guinea” [probably = Ghana (see Pont, 1995: 151)] [H in ZMUC].

Hyperalonia evanida Bezzi, 1920: 112. TYPE LOCALITY: “Guinea Portughesa” [= Guinea-Bissau] [2S in MCSN].

DISTRIBUTION: **Afrotropical**: Benin, Ghana, Guinea-Bissau, Ivory Coast, Niger, Nigeria, Senegal.

minerva

Ligyra minerva Paramonov, 1953c: 221. TYPE LOCALITY: Kenya [H in BMNH*].

DISTRIBUTION: **Afrotropical**: Kenya.

monacha

Anthrax monacha Klug, 1832: pl. 30, fig. 3. TYPE LOCALITY: “Arabia felici” [= Saudi Arabia (see Baker, 1997: 195)] [H in ZMHB*].

monarcha, error for *monacha*.

DISTRIBUTION: **Afrotropical**: Chad, Eritrea, Sudan, Yemen. **Palaeartic**: Oman, Saudi Arabia.

nigripennis

Exoprosopa nigripennis Loew, 1852: 659 [in Peters, 1862: 10]. TYPE LOCALITY: Mozambique [H in ZMHB*].

DISTRIBUTION: **Afrotropical**: Kenya, Mozambique, South Africa (KwaZulu-Natal), Tanzania, Zambia.

nigrocostalis

Anthrax nigrocostalis Guérin-Méneville, 1838: 295. TYPE LOCALITY: Indonesia (Maluku) [T in UNKN].

DISTRIBUTION: **Australasian/Oceanian**: Indonesia (Maluku).

niveifrons

Hyperalonia niveifrons Bezzi, 1914: 283. TYPE LOCALITY: “Guinea francese” [= Guinea] [H in MSNM].

Paranthrax africanus Paramonov, 1931b: 57(57). TYPE LOCALITY: Nigeria [H (destroyed) in ZMUH (see Note 6)].

DISTRIBUTION: **Afrotropical**: Ghana, Guinea, Ivory Coast, Nigeria.

obliqua

Exoprosopa obliqua Macquart, 1840: 37 [1841: 315]. TYPE LOCALITY: Indonesia (Timor) [H in MNHN*].

DISTRIBUTION: **Oriental**: Indonesia (Timor).

ochracea

Ligyra ochracea Bowden, 1971a: 10. TYPE LOCALITY: PNG (PNG) [H in BMNH*].

DISTRIBUTION: **Australasian/Oceanian**: PNG (PNG). **Oriental**: Philippines.

oenomaus

Hyperalonia oenomaus Rondani, 1875: 453. TYPE LOCALITY: Malaysia (Sarawak) [H in MCSN].

DISTRIBUTION: **Oriental:** India (Arunchal Pradesh, Assam, Meghalaya, Sikkim, Tamil Nadu, West Bengal), Malaysia (Peninsular, Sarawak), Philippines, Singapore.

orcus

Anthrax orcus Walker, 1849: 237. TYPE LOCALITY: "Mexico" [H in BMNH*].

Exoprosopa kaupii Jaennicke, 1867b: 340 [1868: 32]. TYPE LOCALITY: "Mejico" [T (lost) in HLMD].

DISTRIBUTION: **Nearctic:** Mexico (Distrito Federal, Guerrero, Jalisco, Michoacán de Ocampo, Morelos, Puebla, Sonora, Zacatecas). **Neotropical:** Mexico (Oaxaca).

orest

Ligyra orest Paramonov, 1967: 134. TYPE LOCALITY: Australia (Queensland) [H in ANIC*].

DISTRIBUTION: **Australasian/Oceanian:** Australia (Queensland, NT).

orientalis

Hyperalonia orientalis Paramonov, 1931b: 198(198). TYPE LOCALITY: Taiwan [H (destroyed) in ZMUH (see Note 6)].

DISTRIBUTION: **Oriental:** India (Karnataka), Philippines, Taiwan.

paludosa

Hyperalonia paludosa Meijere, 1911: 297. TYPE LOCALITY: Indonesia (Java) [2S in ZMAN].

DISTRIBUTION: **Oriental:** Indonesia (Java).

paris

Hyperalonia paris Bezzi, 1923b: 338. TYPE LOCALITY: "Kenya Protectorate" [= Kenya] [H in MNHN].

Hyperalonia paris Bezzi, 1924a: 366. TYPE LOCALITY: Eritrea & "Kenya Colony" [= Kenya] & Nigeria [S in BMNH*]. [Preoccupied by Bezzi, 1923.]

DISTRIBUTION: **Afrotropical:** Chad, Eritrea, Gambia, Ghana, Kenya, Malawi, Nigeria, Senegal, South Africa (Northern Province), Tanzania, Uganda.

peninsularis

Ligyra peninsularis Pal, 1991: 289. TYPE LOCALITY: India (Tamil Nadu) [H in NZSI].

DISTRIBUTION: **Oriental:** India (Tamil Nadu).

pilad

Ligyra pilad Paramonov, 1967: 143. TYPE LOCALITY: Australia (WA) [H in ANIC*].

DISTRIBUTION: **Australasian/Oceanian:** Australia (WA).

pilatei

Exoprosopa pilatei Macquart, 1846: 238(110). TYPE LOCALITY: Mexico (Yucatán) [T in UNKN (originally in Pilate Collection)].

DISTRIBUTION: **Nearctic:** Mexico (Morelos, Sinaloa), USA (Arizona). **Neotropical:** Mexico (Chiapas, Oaxaca, Yucatán).

prometheus

Exoprosopa prometheus Macquart, 1855: 93(73). TYPE LOCALITY: "Amérique méridionale" [H in BMNH*].

DISTRIBUTION: **Neotropical**: “Amérique méridionale”.

proserpina

Anthrax proserpina Wiedemann, 1828: 257. TYPE LOCALITY: “Brasilien” [= Brazil or Uruguay (see Wiedemann, 1828: 606)] [2S in NMW; 1S in RMNH].

Anthrax rufescens Walker, 1849: 238. TYPE LOCALITY: Not given [= Neotropical] [H in BMNH*].

DISTRIBUTION: **Neotropical**: Brazil (Goiás, Pará, Roraima, Costa Rica, Cuba, Guatemala, Jamaica, Mexico (Tabasco, Yucatán), Paraguay, Peru.

punctipennis

Exoprosopa punctipennis Macquart, 1850: 410(106). TYPE LOCALITY: “Nouvelle-Hollande, côte orientale” [= eastern Australia] [H in MNHN*].

Ligyra contrasta Paramonov, 1967: 133. TYPE LOCALITY: Australia (NSW) [H in ANIC*].

DISTRIBUTION: **Australasian/Oceanian**: Australia (ACT, NSW, NT, Queensland, SA, Tasmania, Victoria, WA).

purpuraria

Anthrax purpuraria Walker, 1852: 169. TYPE LOCALITY: Indonesia (Java) [H in UNKN].

DISTRIBUTION: **Oriental**: Indonesia (Java).

robertsi

Ligyra robertsi Paramonov, 1967: 132. TYPE LOCALITY: Australia (WA) [H in ANIC*].

DISTRIBUTION: **Australasian/Oceanian**: Australia (NSW, NT, Queensland, WA).

satyrus

Bibio satyrus Fabricius, 1775: 758. TYPE LOCALITY: “nova Hollandia” [= Australia (Queensland) (see Musgrave, 1932: 54)] [1S in BMNH*; 5S in UMO*].

Anthrax funesta Walker, 1849: 242. TYPE LOCALITY: “New Holland” & Australia (NT) [4S in BMNH*].

Exoprosopa insignis Macquart, 1855: 93(73). TYPE LOCALITY: Australia (Queensland) [8S in BMNH*].

DISTRIBUTION: **Australasian/Oceanian**: Australia (NT, Queensland), Indonesia (Irian Jaya, Maluku), PNG (Bismarck Arch, Bougainville I, PNG). **Oriental**: ?China, Indonesia (Timor).

semifuscata

Hyperalonia semifuscata Brunetti, 1912: 466. TYPE LOCALITY: “Bombay Presidency” [= India (Maharashtra)] [2S in NZSI].

DISTRIBUTION: **Oriental**: India (Karnataka, Maharashtra).

septentrionis

Hyperalonia septentrionis Roberts, 1928a: 103. TYPE LOCALITY: Australia (Queensland) [H in SAMA*].

DISTRIBUTION: **Australasian/Oceanian**: Australia (NT, Queensland, WA).

shirakii

Hyperalonia shirakii Paramonov, 1931b: 199(199). TYPE LOCALITY: Taiwan [H in TARI].

DISTRIBUTION: **Oriental**: Taiwan.

similis

Hyperalonia similis Coquillett, 1898: 318. TYPE LOCALITY: Japan [2S in USNM*].

DISTRIBUTION: **Palearctic:** Japan, Korea.

sinuatifascia

Exoprosopa sinuatifascia Macquart, 1855: 92(72) [as “*sinuati-fasciata*” on p. 149 (129)]. TYPE LOCALITY: Australia (Queensland) [3S in BMNH*].

Exoprosopa macraspis Thomson, 1869: 479. TYPE LOCALITY: Australia (NSW) [H in NHRS].

Hyperalonia argenticincta Bigot, 1892: 343. TYPE LOCALITY: Australia (NSW) [2S in BMNH*].

DISTRIBUTION: **Australasian/Oceanian:** Australia (ACT, NSW, Queensland, SA, Victoria, WA).

sisyphus

Anthrax sisyphus Fabricius, 1805: 125. TYPE LOCALITY: “Guinea” [= Ghana] [1S in ZMUC].

DISTRIBUTION: **Afrotropical:** Burundi, Chad, Eritrea, Ethiopia, Ghana, Kenya, Malawi, Niger, Somalia, Tanzania, Uganda.

sphinx

Biblio sphinx Fabricius, 1787: 329. TYPE LOCALITY: “India orientali” [= India] [2S in ZMUC].

Anthrax imbuta Walker, 1849: 242. TYPE LOCALITY: Not given [= Oriental] [H (lost) in BMNH].

DISTRIBUTION: **Oriental:** China (Hainan), India (Bihar, Kerala, Maharashtra, Orissa, Tamil Nadu, West Bengal), Malaysia (Peninsular, Pulau Tioman), Myanmar, Sri Lanka, Thailand.

stymphalis

Anthrax stymphalis Wiedemann, 1828: 252. TYPE LOCALITY: “Montivideo in Brasilien” [= Brazil (from type specimen label data) [2S in NMW; 1S in SMFD; 3S in ZMHB*].

DISTRIBUTION: **Neotropical:** Brazil, Uruguay, Venezuela.

suffusipennis

Hyperalonia suffusipennis Brunetti, 1909a: 462. TYPE LOCALITY: “Purneah District” [= India (Bihar)] [2S in NZSI].

DISTRIBUTION: **Oriental:** India (Bihar, Kerala, Karnataka, Uttar Pradesh), Sri Lanka.

sumatrensis

Hyperalonia sumatrensis Meijere, 1911: 296. TYPE LOCALITY: Indonesia (Sumatra) [1S in ZMAN].

DISTRIBUTION: **Oriental:** Indonesia (Sumatra).

tantalus

Anthrax tantalus Fabricius, 1794: 260). TYPE LOCALITY: “Tranquebariae” [= India (Tamil Nadu)] [1S in ZMUC; 1S in MNHN*].

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

DISTRIBUTION: **Oriental:** China (Guangdong), India (Arunchal Pradesh, Assam, Sikkim, Tamil Nadu, Uttar Pradesh, West Bengal), Malaysia (Peninsular), Nepal, Philippines, Singapore, Taiwan, Thailand. **Palearctic:** China, Japan, Korea.

tenebrosa

Ligyra tenebrosa Paramonov, 1967: 132. TYPE LOCALITY: Australia (Queensland) [H in ANIC*].

DISTRIBUTION: **Australasian/Oceanian**: Australia (Queensland).

thyridophora

Hyperalonia thyridophora Bezzi, 1912: 653. TYPE LOCALITY: “Nyasaland” [= Malawi] [H in BMNH*].

DISTRIBUTION: **Afrotropical**: Malawi, Mozambique, ?Uganda, Zimbabwe.

transiens

Hyperalonia transiens Bezzi, 1924a: 370. TYPE LOCALITY: “N.-W. Rhodesia” [= Zambia] [4S in BMNH*].

DISTRIBUTION: **Afrotropical**: Zambia.

tristis

Exoprosopa tristis Wulp, 1869: 107. TYPE LOCALITY: Indonesia (Timor) [H in RMNH].

DISTRIBUTION: **Oriental**: India (Andaman Is, Tamil Nadu), Indonesia (Timor).

umbrifer

Anthrax umbrifer Walker, 1849: 237. TYPE LOCALITY: Philippines [H in BMNH*].

DISTRIBUTION: **Oriental**: Philippines.

unicincta

Anthrax unicincta Guérin-Méneville, 1831: pl. 20, fig. 9 [1838: 294]. TYPE LOCALITY: Indonesia (Maluku) [T (lost) in MNHN].

DISTRIBUTION: **Australasian/Oceanian**: Indonesia (Maluku).

ussuriensis

Hyperalonia ussuriensis Paramonov, 1934c: 2. TYPE LOCALITY: Russia (FE) [L designated by Zaitzev & Kandybina (1983: 40) in ZIS].

DISTRIBUTION: **Palaeartic**: Russia (FE).

ventrimacula

Anthrax ventrimacula Doleschall, 1857: 399. TYPE LOCALITY: Indonesia (Maluku) [3S in ZMHB*].

DISTRIBUTION: **Australasian/Oceanian**: Indonesia (Maluku).

venus

Exoprosopa venus Karsch, 1888: 373. TYPE LOCALITY: Tanzania [L designated by Evenhuis & Greathead (1999: 664) in ZMHB*].

DISTRIBUTION: **Afrotropical**: Tanzania (incl. Zanzibar).

virgo

Hyperalonia virgo Bezzi, 1924a: 369. TYPE LOCALITY: “Kenya Colony” [= Kenya] [H in BMNH*].

DISTRIBUTION: **Afrotropical**: Kenya, Somalia. **Palaeartic**: Saudi Arabia.

vittata

Hyperalonia vittata Ricardo, 1901: 104. TYPE LOCALITY: “Nyasaland” [= Malawi] [3S in BMNH*].

DISTRIBUTION: **Afrotropical**: Botswana, Malawi, Namibia, South Africa (KwaZulu-Natal, Northern Province).

vulcanus

Hyperalonia mars ssp. *vulcanus* Bezzi, 1924a: 375. TYPE LOCALITY: “Portuguese East Africa” [= Mozambique] [H in BMNH*].

DISTRIBUTION: **Afrotropical**: Mozambique.

Genus **LITORHINA** Bowden

LITORHINA Bowden, 1975c: 314. Type species: *Litorhynchus corticeus* Bezzi, 1924, by original designation.

EXOSOMA Séguy, 1938a: 333. Type species: *Litorhynchus erythraeus* Bezzi, 1906 (as “*Exosoma erythraea* Séguy”), by monotypy. [Unavailable; name proposed in synonymy with *Tanyglossa maura* Thunberg and not made available before 1961.] [Preoccupied by Jacoby, 1903.]

allothyris

Litorhynchus erythraeus ssp. *allothyris* Bezzi, 1920: 110. TYPE LOCALITY: Ethiopia [H in MCSN].

Litorhynchus erythraeus ssp. *allothyris* Bezzi, 1923b: 329. TYPE LOCALITY: “Kenya Protectorate” [= Kenya] [2S in MNHN]. [Preoccupied by Bezzi, 1920.]

DISTRIBUTION: **Afrotropical**: Ethiopia, Kenya, Malawi, Tanzania, Zimbabwe.

argyrolepis

Litorhynchus argyrolepis Bezzi, 1912: 631. TYPE LOCALITY: “West Nyasa” [= Malawi] [3S in BMNH*].

DISTRIBUTION: **Afrotropical**: Malawi, Tanzania, Zimbabwe.

atricapilla

Litorhynchus atricapilla Hesse, 1956b: 650. TYPE LOCALITY: South Africa (Gauteng) [H in NMSA*].

DISTRIBUTION: **Afrotropical**: South Africa (Free State, Gauteng, KwaZulu-Natal, “Transvaal”), Zimbabwe.

basalis

Exoprosopa basalis Ricardo, 1901: 97. TYPE LOCALITY: South Africa (Mpumalanga) [H in BMNH*].

DISTRIBUTION: **Afrotropical**: Botswana, Congo, Kenya, Malawi, South Africa (Mpumalanga), Zimbabwe.

bechuana

Exoprosopa bechuana Hesse, 1936: 175. TYPE LOCALITY: Botswana [H in NMSA*].

DISTRIBUTION: **Afrotropical**: Botswana, Zimbabwe.

collaris

Anthrax collaris Wiedemann, 1828: 271. TYPE LOCALITY: “Höchstwahrscheinlich Vom Kap” [error, = India] [T in UNKN (not in NMW or ZMHB)].

Anthrax ruficollis Saunders, 1842: 59. TYPE LOCALITY: “central India” [2S in UMO*].

Exoprosopa binotata Macquart, 1855: 89(69). TYPE LOCALITY: “De l’Inde” [probably = India] [3S in BMNH*].

bimaculata, *bipunctata*, errors for *binotata*.

rugicollis, error for *ruficollis*.

DISTRIBUTION: **Oriental**: India (Karnataka, Rajasthan, Sikkim), Pakistan.

corticea

Litorhynchus corticeus Bezzi, 1924a: 212, 214. TYPE LOCALITY: Eritrea (original

type locality); Chad (neotype locality) [N designated by Greathead (1967: 264) in BMNH*].

Litorrhynchus corticea var. *corticalis* Bezzi, 1924a: 214. TYPE LOCALITY: “Abyssinia” [= Ethiopia] & Uganda [2S in BMNH*].

DISTRIBUTION: **Afrotropical**: Chad, Eritrea, Ethiopia, Gambia, Ghana, Nigeria, Senegal, Uganda.

damarensis

Litorrhynchus damarensis Hesse, 1956b: 647. TYPE LOCALITY: “South-West Africa” [= Namibia] [H in SAMC].

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

dentifera

Litorrhynchus dentiferus Bezzi, 1912: 632. TYPE LOCALITY: “West Nyasa” [= Malawi] [H in BMNH*].

DISTRIBUTION: **Afrotropical**: Botswana, Malawi, Mozambique, South Africa (Northern Province), Zimbabwe.

dilatata

Litorrhynchus dilatatus Bezzi, 1912: 634. TYPE LOCALITY: “North Nyasa” [= Malawi] [H in BMNH*].

DISTRIBUTION: **Afrotropical**: Malawi, Namibia, South Africa (Free State, Western Cape), Zimbabwe.

ectophaea

Litorrhynchus ectophaeus Hesse, 1956b: 639. TYPE LOCALITY: “Southern Rhodesia” [= Zimbabwe] [H in SAMC].

DISTRIBUTION: **Afrotropical**: Botswana, Namibia, Zimbabwe.

erythraea

Litorrhynchus erythraeus Bezzi, 1906: 261. TYPE LOCALITY: Eritrea [2S in MSNM; S in MZUF].

DISTRIBUTION: **Afrotropical**: Eritrea, Ethiopia.

evanescens

Litorrhynchus evanescens Bezzi, 1924a: 213 (key only). TYPE LOCALITY: Not given [= Afrotropical] [2S in MSNM].

DISTRIBUTION: **Afrotropical**: Unknown.

flammea

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

DISTRIBUTION: **Afrotropical**: Sierra Leone.

infuscata

Litorrhynchus infuscatus Bezzi, 1924a: 221. TYPE LOCALITY: Uganda [H in BMNH*].

DISTRIBUTION: **Afrotropical**: Uganda.

kaokoensis

Litorrhynchus kaokoensis Hesse, 1956b: 640. TYPE LOCALITY: “South-West Africa” [= Namibia] [H in SAMC].

DISTRIBUTION: **Afrotropical**: Namibia.

lar

Bibio lar Fabricius, 1781: 414. TYPE LOCALITY: “Bengal” [= India (Bihar or West

Bengal)] [2S in BMNH*; 4S in ZMUC; 2S in ZMHB*].

DISTRIBUTION: **Australasian/Oceanian**: ?Australia (WA). **Oriental**: India (Assam, Bihar, Gujarat, Himachal Pradesh, Karnataka, Kerala, Madhya Pradesh, Maharashtra, Sikkim, Tamil Nadu, Uttar Pradesh, West Bengal), Sri Lanka.

macroptera

Exoprosopa macroptera Loew, 1860a: 92 [1860b: 302; 1860c: 230]. TYPE LOCALITY: “Cap. B. Sp.” [= South Africa (Western Cape)] [2S in ZMHB*].

Exoprosopa longipennis Loew, 1863a: 14. TYPE LOCALITY: South Africa (Free State) [T in UNKN (sold at auction)].

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

maura

Tanyglossa maura Thunberg, 1827: 73. TYPE LOCALITY: Not given [= South Africa (Western Cape)] [S in UZIU].

DISTRIBUTION: **Afrotropical**: Botswana, Lesotho, South Africa (Eastern Cape, Western Cape), Zimbabwe.

mesopleuralis

Exoprosopa mesopleuralis Bezzi, 1924a: 348. TYPE LOCALITY: “Nyasaland” [= Malawi] [9S in BMNH*; 1S in MSNM].

DISTRIBUTION: **Afrotropical**: Malawi.

metapleuralis

Litorrhynchus metapleuralis Bezzi, 1924a: 224. TYPE LOCALITY: “Nyasaland” [= Malawi] [H in BMNH*].

DISTRIBUTION: **Afrotropical**: Kenya, Malawi, Tanzania. **Palaeartic**: Oman, ?Saudi Arabia.

nyasae

Exoprosopa nyasae Ricardo, 1901: 96. TYPE LOCALITY: “Nyasaland” [= Malawi] [6S in BMNH*].

DISTRIBUTION: **Afrotropical**: Botswana, Malawi, Mozambique, Namibia, South Africa (“Transvaal”), Tanzania, Zimbabwe.

obumbrata

Litorrhynchus obumbratus Bezzi, 1924a: 226. TYPE LOCALITY: “Belgian Congo” [= Congo] [9S in BMNH*; 1S in MSNM].

DISTRIBUTION: **Afrotropical**: Congo, Namibia, South Africa (KwaZulu-Natal), Tanzania, Zimbabwe.

perplexa

Litorrhynchus perplexus Bezzi, 1912: 634. TYPE LOCALITY: “West Nyasa” [= Malawi] [H in BMNH*].

DISTRIBUTION: **Afrotropical**: Malawi, Tanzania.

phloeochroma

Litorrhynchus phloeochromus Bezzi, 1920: 108. TYPE LOCALITY: “Guinea Portoghesa” [= Guinea-Bissau] [H in MCSN].

DISTRIBUTION: **Afrotropical**: Guinea-Bissau.

producta

Litorrhynchus productus Bezzi, 1924a: 227. TYPE LOCALITY: “South Abyssinia” [= Ethiopia] [H in BMNH*].

DISTRIBUTION: **Afrotropical**: Ethiopia.

pseudocollaris

Litorrhynchus pseudocollaris Bezzi, 1924a: 219. TYPE LOCALITY: Angola (Cabinda) & “Belgian Congo” [= Congo] [5S in BMNH*].

DISTRIBUTION: **Afrotropical**: Angola (incl. Cabinda), Congo, Kenya, Malawi, Mozambique, South Africa (KwaZulu-Natal, Mpumalanga, Northern Province), Tanzania, Zimbabwe.

pseudomaura

Litorrhynchus pseudomaurus François, 1966b: 14. TYPE LOCALITY: Eritrea [H in KBIN*].

DISTRIBUTION: **Afrotropical**: Eritrea.

repleta

Litorrhynchus repletus Bezzi, 1912: 633. TYPE LOCALITY: “West Nyasa” [= Malawi] [H in BMNH*].

DISTRIBUTION: **Afrotropical**: Malawi.

ricardoae

Litorrhynchus ricardoae Bezzi, 1912: 631. TYPE LOCALITY: “West Nyasa” [= Malawi] [H in BMNH*].

ricardo, incorrect original spelling of *ricardoae* (Bezzi, 1912: 631; emended here).

DISTRIBUTION: **Afrotropical**: Malawi, Tanzania.

rostrata

Exoprosopa rostrata Loew, 1860a: 92 [1860b: 302; 1860c: 230]. TYPE LOCALITY: “Caffraria” [= South Africa (Eastern Cape)] [H in NHRS].

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

salamonae

Litorrhynchus salamonae Greathead, 1967: 265. TYPE LOCALITY: Eritrea [H in BMNH*].

DISTRIBUTION: **Afrotropical**: Eritrea, Somalia, Sudan, Yemen. **Palaeartic**: Egypt, Saudi Arabia.

siccifolia

Litorrhynchus siccifolius Bezzi, 1924a: 216. TYPE LOCALITY: Gambia [H in BMNH*].

DISTRIBUTION: **Afrotropical**: Gambia.

suberosa

Litorrhynchus suberosus Bezzi, 1924a: 215. TYPE LOCALITY: Gambia [H in BMNH*].

DISTRIBUTION: **Afrotropical**: Gambia, Senegal.

suspensa

Litorrhynchus suspensus Bezzi, 1924a: 226. TYPE LOCALITY: “Abyssinia” [= Ethiopia] [H in BMNH*].

DISTRIBUTION: **Afrotropical**: Ethiopia.

tollini

Exoprosopa tollini Loew, 1863a: 15. TYPE LOCALITY: South Africa (Free State) [H in UNKN (sold at auction)].

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

vernayi

Litorrhynchus vernayi Hesse, 1956b: 641. TYPE LOCALITY: “Bechuanaland” [= Bot-

swana] [9S in NMSA*].

DISTRIBUTION: **Afrotropical**: Botswana, Namibia.

Genus **MICOMITRA** Bowden

MICOMITRA Bowden, 1964a: 147. Type species: *Exoprosopa parvicellula* Bezzi, 1921, by original designation.

aerata

Exoprosopa aerata Hesse, 1956b: 897. TYPE LOCALITY: South Africa (Eastern Cape) [H in SAMC].

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

anthracina

Micomitra anthracina Bowden, 1964a: 148. TYPE LOCALITY: "Ashanti" [= Ghana] [H in JB].

DISTRIBUTION: **Afrotropical**: Ghana.

bella

Exoprosopa bella Austen, 1937: 173. TYPE LOCALITY: Israel (West Bank) [2S in BMNH*].

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

chrystallina

Exoprosopa chrystallina Bezzi, 1924a: 359. TYPE LOCALITY: "Somaliland" [= Somalia] [H in BMNH*].

DISTRIBUTION: **Afrotropical**: Somalia, Yemen. **Palaeartic**: Saudi Arabia.

famula

Exoprosopa famula Bezzi, 1923a: 78. TYPE LOCALITY: Aldabra [H in BMNH*].

DISTRIBUTION: **Afrotropical**: Aldabra.

iridipennis

Exoprosopa iridipennis Nurse, 1922a: 639. TYPE LOCALITY: India (Maharashtra) [2S in BMNH*].

DISTRIBUTION: **Oriental**: India (Maharashtra).

iris

Exoprosopa iris Loew, 1869b: 220. TYPE LOCALITY: Greece [2S in NMW*; 1S in ZMHB*].

DISTRIBUTION: **Palaeartic**: Armenia, Austria, Azerbaijan, Bulgaria, Croatia, France, Greece (incl. Corfu), Gruzia, Iran, Israel, Italy (incl. Sardinia, Sicily), Kazakhstan, Kyrgyz Republic, Moldova, Romania, Russia (SET), Spain, Tajikistan, Turkey, Turkmenistan, Ukraine, Uzbekistan.

lapidoti

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

DISTRIBUTION: **Palaeartic**: Israel.

lucidipennis

Exoprosopa iridipennis Hesse, 1956b: 891. TYPE LOCALITY: South Africa (Western Cape) [10S in SAMC*; 1S in BPBM*]. [Preoccupied by Nurse, 1922.]

Micomitra lucidipennis Evenhuis & Greathead, 1999: 417 (new replacement name for *Exoprosopa iridipennis* Hesse, 1956).

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

opalina

Exoprosopa opalina Hesse, 1956b: 894. TYPE LOCALITY: South Africa (Western Cape) [19S in SAMC; 2S in BPBM*].

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

parvicellula

Exoprosopa parvicellula Bezzi, 1921a: 162. TYPE LOCALITY: Mozambique [H in SAMC].

DISTRIBUTION: **Afrotropical**: Botswana, Mozambique, South Africa (KwaZulu-Natal), Zimbabwe.

perlucida

Exoprosopa perlucida Hesse, 1956b: 896. TYPE LOCALITY: South Africa (KwaZulu-Natal) [H in SAMC].

DISTRIBUTION: **Afrotropical**: Mozambique, South Africa (KwaZulu-Natal).

pharao

Exoprosopa pharao Paramonov, 1928a: 260(82). TYPE LOCALITY: Egypt [4S (destroyed) in PPDD (see Note 4)].

DISTRIBUTION: **Palaearctic**: Egypt.

shelkovnikovi

Exoprosopa shelkovnikovi Paramonov, 1928a: 269(91). TYPE LOCALITY: Armenia [H (lost) in SIZK].

DISTRIBUTION: **Palaearctic**: Armenia, Azerbaijan, Gruzia, Kyrgyz Republic, Tajikistan, Turkmenistan, Uzbekistan.

stupida

Biblio stupida Rossi, 1790: 277. TYPE LOCALITY: Italy [L designated by Evenhuis & Greathead (1999: 657) in ZMHB*].

Anthrax rhadamanthus Meigen, 1804: 208. TYPE LOCALITY: France [T in UNKN].

Anthrax chalcoides Pallas & Wiedemann in Wiedemann, 1818a: 17. TYPE LOCALITY: “in australioribus deserti Caspii” [= Russia (SET) (see Pont, 1995: 150)] [T in NMW].

Anthrax vitreicosta Walker, 1849: 251. TYPE LOCALITY: Not given [= Palaearctic] [H in BMNH*].

Anthrax vitreicosta Walker, 1849: 1154 (unjustified emendation of *Anthrax vitreicosta* Walker, 1849: 251).

Anthrax squamea Mulsant, 1852a: 21 [1852b: 181]. TYPE LOCALITY: France [T (lost?) in MNHN].

DISTRIBUTION: **Palaearctic**: Armenia, Austria, Azerbaijan, Egypt, Finland, France, Germany, Greece (incl. Naxos), Gruzia, Hungary, Iran, Israel, Italy (incl. Sardinia, Sicily), Kazakhstan, Kyrgyz Republic, Libya, Poland, Portugal, Romania, Russia (SET), Spain, Sweden, Switzerland, Tajikistan, Turkey, Turkmenistan, Uzbekistan.

transcaspica

Exoprosopa hyalipennis Paramonov, 1928a: 233(55). TYPE LOCALITY: Turkmenistan [H (lost) in SIZK]. [Preoccupied by Cole, 1923.]

Exoprosopa transcaspica Evenhuis, 1978c: 103 (new replacement name for *Exo-*

prosopa hyalipennis Paramonov, 1928).

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

vitrea

Exoprosopa vitrea Bigot, 1892: 344. TYPE LOCALITY: "Pondichéry" [= India (Tamil Nadu)] [H in BMNH*].

DISTRIBUTION: **Oriental**: India (Maharashtra, Tamil Nadu, West Bengal).

vitripennis

Exoprosopa vitripennis Brunetti, 1912: 467, 469. TYPE LOCALITY: India (Maharashtra) [H in NZSI].

DISTRIBUTION: **Oriental**: India (Karnataka, Maharashtra), Sri Lanka.

vlasovi

Exoprosopa vlasovi Paramonov, 1928a: 282(104). TYPE LOCALITY: Turkmenistan [H in ZIS].

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

Genus **PSEUDOPENTHES** Roberts

PSEUDOPENTHES Roberts, 1928a: 132. Type species: *Pseudopenthes fenestrata* Roberts, 1928, by original designation

fenestrata

Pseudopenthes fenestrata Roberts, 1928a: 133. TYPE LOCALITY: Australia (Queensland) [H in QM].

DISTRIBUTION: **Australasian/Oceanian**: Australia (Queensland).

Genus **PTEROBATES** Bezzi

PTEROBATES Bezzi, 1921a: 130 [1922a: 85; 1924a: 273] (as subgenus of *Exoprosopa* Macquart). Type species: *Anthrax apicalis* Wiedemann, 1821, by monotypy.

apicalis

Anthrax apicalis Wiedemann, 1821a: 76 [1821b: 126]. TYPE LOCALITY: "Prom. bon. sp." [= South Africa (Western Cape)] [4S in ZMHB*; 1S in NMW*; 1S in RMNH; 2S in ZMUC].

Anthrax pennipes ssp. *pespostieus* Macquart, 1840: pl. 19, fig. 3 [1841: pl. 19, fig. 3]. TYPE LOCALITY: Not given [= South Africa (Western Cape)] [T in UNKN].

DISTRIBUTION: **Afrotropical**: Botswana, Lesotho, South Africa (Western Cape), Zimbabwe.

chalybaeus

Exoprosopa chalybaea Röder, 1887: 75. TYPE LOCALITY: Lebanon [H in MLUH].

DISTRIBUTION: **Palaeartic**: Egypt, Israel, Lebanon, Saudi Arabia, Syria.

chrysogaster

Exoprosopa chrysogaster Bezzi, 1926b: 269. TYPE LOCALITY: Egypt [H (destroyed) in PPDD (see Note 4)].

DISTRIBUTION: **Palaeartic**: Egypt.

pennatus

Exoprosopa pennata Nurse, 1922a: 635. TYPE LOCALITY: Pakistan [4S in BMNH*].

DISTRIBUTION: **Oriental:** Pakistan. **Palearctic:** Afghanistan, India (Karnataka), Iran.

pennipes

Anthrax pennipes Wiedemann, 1821b: 129. TYPE LOCALITY: Indonesia (Java) [1S in ZMUC; 1S in ZMHB*].

DISTRIBUTION: **Australasian/Oceanian:** Indonesia (Maluku). **Oriental:** China, Hong Kong, India (Bihar, Meghalaya), Indonesia (Java), Macao, Malaysia (Sabah), Philippines.

UNPLACED SPECIES OF **EXOPROSOPINI** BECKER

argentata

Exoprosopa argentata Costa, 1863: 77. *Nomen nudum*.

fuscescens

Exoprosopa fuscescens Bezzi in Rigato, 1995: 215. *Nomen nudum*.

lepismoides

Exoprosopa lepismoides Costa in Becker, Bezzi, Bischof, Kertész & Stein, 1903: 169. *Nomen nudum*.

TRIBE PROROSTOMATINI HULL

Genus CONOMYZA Hesse

CONOMYZA Hesse, 1956a: 114. Type species: *Conomyza semirufella* Hesse, 1956, by original designation.

karooana

Conomyza semirufella var. *karooana* Hesse, 1956a: 117. TYPE LOCALITY: South Africa (Western Cape) [H in SAMC].

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

semirufella

Conomyza semirufella Hesse, 1956a: 115. TYPE LOCALITY: South Africa (Northern Cape) [2S in SAMC].

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

Genus CORYPROSOPA Hesse

CORYPROSOPA Hesse, 1956a: 118. Type species: *Coryprosopa lineata* Hesse, 1956, by original designation.

lineata

Coryprosopa lineata Hesse, 1956a: 119. TYPE LOCALITY: South Africa (Western Cape) [35S in SAMC; 2S in CNC*; 2S in BPBM*; 2S in BMNH*].

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

Genus EPACMOIDES Hesse

EPACMOIDES Hesse, 1956a: 125. Type species: *Plesiocera biumbonata* Bezzi, 1922, by original designation.

albifrons

Epacmoides albifrons Hesse, 1956a: 130. TYPE LOCALITY: South Africa (Western Cape) [S in SAMC; S in DMSA; 2S in BMNH*; 2S in BPBM*].

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

biumbonatus

Plesiocera biumbonata Bezzi, 1922a: 81 (key only). TYPE LOCALITY: "Africa meridionali" [= South Africa] [1S in MSNM].

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

cryptochaunus

Epacmoides cryptochaunus Hesse, 1956a: 133. TYPE LOCALITY: South Africa (Western Cape) [H in SAMC].

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

pallidulus

Epacmoides albifrons var. *pallidulum* Hesse, 1956a: 131. TYPE LOCALITY: South Africa (Western Cape) [14S in SAMC*; 2S in BPBM*].

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

xerophilus

Epacmoides xerophilum Hesse, 1956a: 132. TYPE LOCALITY: South Africa (Western Cape) [H in SAMC].

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

Genus **PLESIOCERA** Macquart

PLESIOCERA Macquart, 1840: 82 [1841: 360]. Type species: *Plesiocera algira* Macquart, 1840, by monotypy.

CALLEDAX Hull, 1973: 338 (as subgenus of *Plesiocera* Macquart). Type species: *Plesiocera psammophila* Hesse, 1956, by original designation.

algira

Plesiocera algira Macquart, 1840: 83 [1841: 361]. TYPE LOCALITY: “d’ Alger” [= Algeria or Morocco] [H (lost) in MNHN].

Anthrax fornicata Loew, 1857b: 82. TYPE LOCALITY: “Syrien” [= Lebanon or Syria] [H in ZMHB*].

Anthrax inaequalis Becker, 1906c: 148. TYPE LOCALITY: Tunisia [2S in ZMHB*].

DISTRIBUTION: **Palaeartic**: Algeria, Israel, Italy, Lebanon, Spain, Syria, Tunisia.

curvistoma

Plesiocera curvistoma Hesse, 1956a: 104. TYPE LOCALITY: South Africa (Northern Cape) [28S in SAMC*, 2S in CNC*, 1S in BPBM*].

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

flavilabris

Plesiocera flavilabris Hesse, 1956a: 108. TYPE LOCALITY: South Africa (Northern Cape) [H in SAMC*].

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

ochraea

Plesiocera ochraea Greathead, 1967: 233. TYPE LOCALITY: Eritrea [H in BMNH*]. *ochracea*, error for *ochraea*.

DISTRIBUTION: **Afrotropical**: Eritrea, Kenya, Yemen. **Palaeartic**: Saudi Arabia.

pernotata

Plesiocera pernotata Hesse, 1956a: 113. TYPE LOCALITY: South Africa (Northern Cape) [H in SAMC*].

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

philerema

Plesiocera philerema Hesse, 1956a: 111. TYPE LOCALITY: South Africa (Western Cape) [21S in SAMC*; 6S in BMNH*; 1S in CNC*; 1S in BPBM*].

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

psammophila

Plesiocera psammophila Hesse, 1956a: 102. TYPE LOCALITY: South Africa (Northern Cape) [80S in SAMC*; 2S in CNC*; 1S in BPBM*].

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

rhodesiensis

Plesiocera rhodesiensis Hesse, 1956a: 106. TYPE LOCALITY: “Southern Rhodesia” [=

Zimbabwe] [H in SAMC*].

DISTRIBUTION: **Afrotropical**: Zimbabwe.

rufisticta

Plesiocera psammophila var. *rufisticta* Hesse, 1956a: 104. TYPE LOCALITY: South Africa (Northern Cape) [S in SAMC*].

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

rufiventris

Plesiocera rufiventris Hesse, 1956a: 109. TYPE LOCALITY: South Africa (Northern Cape) [H in SAMC*].

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

Genus **PROROSTOMA** Hesse

PROROSTOMA Hesse, 1956a: 121. Type-species: *Plesiocera integra* Bezzi, 1922, by original designation.

integrum

Plesiocera integra Bezzi, 1922a: 81. TYPE LOCALITY: South Africa (Eastern Cape) [H in MSNM].

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

Genus **STOMYLOMYIA** Bigot

STOMYLOMYIA Bigot, 1887a: xxxi [1887b: xxxi]. Type-species: *Stomylomyia leonina* Bigot, 1887 [= *Tomomyza europaea* Loew, 1869], by monotypy.

aegyptiaca

Stomylomyia europaea var. *aegyptiaca* Bezzi, 1925: 201. TYPE LOCALITY: Egypt [1S in MSNM].

DISTRIBUTION: **Palaeartic**: Egypt.

araxana

Stomylomyia araxana Paramonov, 1925g: 94. TYPE LOCALITY: Armenia [11S (lost) in SIZK].

DISTRIBUTION: **Palaeartic**: Armenia.

europaea

Tomomyza europaea Loew, 1869b: 228. TYPE LOCALITY: Greece (Rhodes) & “Kleinasiens” [= Turkey] [2S in UMO*: 13S in ZMHB*].

Stomylomyia leonina Bigot, 1887a: xxxi [1887b: xxxi]. TYPE LOCALITY: “Asia minor” [probably = Turkey] [1S in UMO*].

DISTRIBUTION: **Palaeartic**: Afghanistan, Albania, Armenia, Azerbaijan, Egypt, France, Greece (incl. Corfu, Rhodes), Gruzia, Hungary, Iran, Israel, Italy, Macedonia, Moldova, Romania, Russia (SET), Turkey, Ukraine, Yugoslavia.

nigrirostris

Stomylomyia europaea var. *nigrirostris* Bezzi, 1925: 202. TYPE LOCALITY: Egypt [2S in ESEC].

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

pusilla

Stomylomyia pusilla Bezzi, 1925: 202. TYPE LOCALITY: Egypt [3S (destroyed) in ESEC (see Note 4)].

DISTRIBUTION: **Palaeartic**: Armenia, Azerbaijan, Egypt, Gruzia.

tenella

Tomomyza tenella Loew, 1869b: 231 [1870b: 140]. TYPE LOCALITY: Spain [1S in ZSMC; 1S in ZMHB*].

DISTRIBUTION: **Palaeartic**: Italy, Spain.

turkestanica

Stomylomyia turkestanica Paramonov, 1929a: 98(36). TYPE LOCALITY: Turkmenistan & Uzbekistan [29S (lost) in SIZK; 1S in NMW*].

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

TRIBE VILLINI HULL

Genus **ASTROPHANES** Osten Sacken

ASTROPHANES Osten Sacken, 1886a: 76 [1886b: 106]. Type species: *Astrophanes adonis* Osten Sacken, 1886, by subsequent monotypy (Osten Sacken, 1886b: 106).

ARISTOPHANES, error for *Astrophanes*.

[See Evenhuis (1991b: 21–22) for clarification of type fixation for this genus.]

adonis

Astrophanes adonis Osten Sacken, 1886b: 107. TYPE LOCALITY: Mexico (Sonora) [L designated by Painter & Painter (1962: 133) in BMNH*].

DISTRIBUTION: **Nearctic**: Mexico (Sonora), USA (Arizona, California, Kansas, Nevada, New Mexico, Oklahoma, Texas, Utah).

andinus

Astrophanes andinus Brèthes, 1909: 91. TYPE LOCALITY: Argentina [H in MACN].

DISTRIBUTION: **Neotropical**: Argentina.

Genus **CAECANTHRAX** Greathead

CAECANTHRAX Greathead, 1980b: 322. Type species: *Anthrax inaurata* Klug, 1832, by subsequent designation (Evenhuis, 1991b: 24). [Unavailable; genus-group name proposed after 1930 without type species designation.]

CAECANTHRAX Greathead, 1981: 324. Type species: *Anthrax inaurata* Klug, 1832, by original designation.

arabicus

Anthrax arabica Macquart, 1840: 63 [1841: 341]. TYPE LOCALITY: “d’Arabie” [L designated by Evenhuis & Greathead (1999: 644) in MNHN*].

Anthrax punctum Loew, 1854: 2. TYPE LOCALITY: Italy [H in UNKN]. [Preoccupied by Walker, 1849.]

Pachyanthrax dimidiatus Greathead, 1988: 106. TYPE LOCALITY: Saudi Arabia [H in BMNH*].

DISTRIBUTION: **Oriental**: Pakistan. **Palaeartic**: Afghanistan, Armenia, Azerbaijan, France, Greece (incl. Rhodes), Gruzia, Iran, Italy, Jordan, Kyrgyz Republic, Saudi Arabia, Tajikistan, Turkey, Turkmenistan, United Arab Emi-

rates, Uzbekistan, Yugoslavia.

auratus

Caecanthrax auratus Greathead, 1980b: 322 [1981: 324]. TYPE LOCALITY: Yemen [H in BMNH*].

DISTRIBUTION: **Afrotropical**: Yemen.

inauratus

Anthrax inaurata Klug, 1832: pl. 30, fig. 9. TYPE LOCALITY: "Arabia felici" [= Saudi Arabia (see Baker, 1997: 195)] [H in ZMHB*].

DISTRIBUTION: **Afrotropical**: Eritrea, Ghana, Kenya, Mali, Niger, Somalia, Yemen (incl. Socotra). **Palearctic**: Egypt, Saudi Arabia.

Genus **CHRYSANTHRAX** Osten Sacken

CHRYSANTHRAX Osten Sacken, 1886b: 113 (as subgenus of *Anthrax* Scopoli), 121 (as "group" of *Anthrax* Scopoli). Type species: *Anthrax fulvohirta* Wiedemann, 1821 [= *Anthrax cypris* Meigen, 1820], by monotypy.

[See Evenhuis (1991b: 27) for clarification of type fixation of this genus.]

adumbratus

Anthrax adumbrata Coquillett, 1887c: 176. TYPE LOCALITY: USA (California) [L designated by Evenhuis & Greathead (1999: 643) in USNM*].

DISTRIBUTION: **Nearctic**: Mexico (Baja California Norte), USA (California).

albicomus

Chrysanthrax albicomus Tabet & Hall, 1987: 135. TYPE LOCALITY: USA (California) [H in CAS*].

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

altus

Anthrax altus Tucker, 1907: 89. TYPE LOCALITY: USA (Colorado) [H in SEMC].

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

anna

Anthrax anna Coquillett, 1887c: 169. TYPE LOCALITY: USA (California) [L designated by Evenhuis & Greathead (1999: 644) in USNM*].

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

arenarius

Villa arenaria Hall, 1976a: 230. TYPE LOCALITY: Chile [H in MEUC*].

DISTRIBUTION: **Neotropical**: Chile.

arenosus

Anthrax arenosa Coquillett, 1892c: 187. TYPE LOCALITY: USA (New Mexico) [H (lost) in USNM].

DISTRIBUTION: **Nearctic**: Mexico (Sonora), USA (New Mexico).

argentosus

Villa argentosa Painter, 1933b: 8. TYPE LOCALITY: Panama [2S in AMNH*].

DISTRIBUTION: **Neotropical**: Panama.

arizonensis

Anthrax arizonensis Coquillett, 1887c: 182. TYPE LOCALITY: USA (Arizona) [H in USNM*].

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

astarte

Anthrax astarte Wiedemann, 1830: 637. TYPE LOCALITY: “Mexiko” [= Mexico or southwestern USA] [L designated by Painter & Painter (1962: 85) in NMW].

Anthrax recta Walker, 1852: 174. TYPE LOCALITY: “South America” [error, probably = Central America] [H in BMNH*].

DISTRIBUTION: **Nearctic:** Mexico (Baja California Norte, Guerrero, Jalisco, Morelos, Nuevo León, Puebla, Veracruz-Llave). **Neotropical:** Honduras, Mexico (Chiapas, Oaxaca).

caliginosus

Anthrax nebulosa Coquillett, 1894a: 99. TYPE LOCALITY: USA (California) [L designated by Evenhuis & Greathead (1999: 650) in USNM*]. [Preoccupied by Dufour, 1852.]

Chrysanthrax caliginosus Evenhuis & Greathead, 1999: 425 (new replacement name for *Anthrax nebulosa* Coquillett, 1894).

DISTRIBUTION: **Nearctic:** USA (California, Oregon, Utah).

cautor

Anthrax cautor Coquillett, 1887c: 175. TYPE LOCALITY: USA (California) [L designated by Evenhuis & Greathead (1999: 645) in USNM*].

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

cerius

Anthrax cerius Williston, 1901: 283. TYPE LOCALITY: Mexico (Guerrero) [H in BMNH*].

DISTRIBUTION: **Nearctic:** Mexico (Colima, Guerrero, Morelos, San Luis Potosí, Sinaloa, Sonora). **Neotropical:** Mexico (Oaxaca).

cinefactus

Anthrax cinefacta Coquillett, 1892c: 180. TYPE LOCALITY: USA (California) [L designated by Evenhuis & Greathead (1999: 645) in USNM*].

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

compressus

Villa compressa Painter, 1926b: 211. TYPE LOCALITY: USA (Texas) [H in USNM*].

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

conclusus

Anthrax dorsalis Walker, 1857: 138. TYPE LOCALITY: “Valley of the Amazon” [= Brazil (Amazonas or Pará)] [L designated by Painter & Painter (1974: 204) in BMNH* (lectotype here deemed valid by virtue of I.C.Z.N. Code Art. 74a)]. [Preoccupied by Walker, 1849.]

Anthrax conclusa Walker, 1857: 139. TYPE LOCALITY: “Valley of the Amazon” [= Brazil (Amazonas or Pará)] [L designated by Painter & Painter (1974: 182) in BMNH*].

Glossista costata Bigot, 1892: 352. TYPE LOCALITY: “Amazones” [= Brazil] [L designated in Painter & Painter (1974: 204) in BMNH*].

DISTRIBUTION: **Neotropical:** Bolivia, Brazil (Amazonas).

crocinus

Anthrax crocina Coquillett, 1892c: 183. TYPE LOCALITY: USA (California) [L designated by Evenhuis & Greathead (1999: 646) in USNM*].

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

cypriis

Anthrax cypriis Meigen, 1820: 158. TYPE LOCALITY: “österreichisches Produkt”, [error, = North America (see Meigen, 1830: 325)] [T (destroyed) in NMW (see Note 18)].

Anthrax fulvohirta Wiedemann, 1821a: 99 [1821b: 149] (as “*fulvo - hirta*”). TYPE LOCALITY: “Georgia Americes” [= USA (Georgia)] [1S in NMW; 2S in ZMUC; 3S in ZMHB*].

Anthrax confacies Macquart, 1850: 416(112). TYPE LOCALITY: “Virginie” [= USA (Virginia or West Virginia)] [1S in BMNH*].

fulvithorax, error for *fulvohirta* (Meigen, 1830: 325).

DISTRIBUTION: **Nearctic:** Mexico (Guerrero, Puebla, Veracruz-Llave), USA (Alabama, Arkansas, Connecticut, Delaware, Florida, Georgia, Illinois, Indiana, Iowa, Kentucky, Louisiana, Maryland, Massachusetts, Mississippi, New Jersey, New York, North Carolina, Ohio, Pennsylvania, Rhode Island, South Carolina, Tennessee, Texas, Virginia, West Virginia). **Neotropical:** Mexico (Chiapas, Oaxaca).

dichotomus

Xoprosopa dichotoma Schiner, 1868b: 119. TYPE LOCALITY: “Südamerika” [= Venezuela] [L designated by Painter & Painter (1974: 192) in NMW].

Xoprosopa bipartita Bigot, 1892: 346. TYPE LOCALITY: “Colombie” [H in BMNH*].

DISTRIBUTION: **Neotropical:** Colombia, Venezuela.

dimidiatus

Anthrax dimidiata Wiedemann, 1819b: 46. TYPE LOCALITY: “Brasil” [= Brazil or Uruguay] [L designated by Painter & Painter (1974: 195) in NMW].

DISTRIBUTION: **Neotropical:** Argentina, Brazil.

dispar

Anthrax dispar Coquillett, 1887c: 177. TYPE LOCALITY: USA (Florida) [L designated by Evenhuis & Greathead (1999: 646) in USNM*].

DISTRIBUTION: **Nearctic:** Canada (Ontario), Mexico (Colima, Chihuahua, Guanajuato, Guerrero, Sonora, Tamaulipas), USA (Alabama, Arizona, Arkansas, Colorado, Florida, Georgia, Illinois, Indiana, Iowa, Kansas, Kentucky, Louisiana, Minnesota, Mississippi, Missouri, Nebraska, New Mexico, North Carolina, Ohio, Oklahoma, South Carolina, Tennessee, Texas, Virginia, West Virginia).

edititius

Anthrax edititia Say, 1829: 156. TYPE LOCALITY: Not given [probably = USA] [T (destroyed) in ANSP (see Note 25)].

Anthrax impiger Coquillett, 1887c: 177. TYPE LOCALITY: USA (Arizona) [L designated by Evenhuis & Greathead (1999: 648) in USNM*].

Anthrax sabulosa Coquillett, 1892c: 186. TYPE LOCALITY: USA (California) [L designated by Evenhuis & Greathead (1999: 651) in USNM*].

DISTRIBUTION: **Nearctic:** Mexico (Baja California Sur, Durango, Morelos, San Luis Potosí, Veracruz-Llave), USA (Arizona, California, Colorado, Idaho, Illinois, Indiana, Iowa, Kansas, Michigan, Minnesota, Missouri, Nebraska, Nevada, New Mexico, Ohio, Oklahoma, Oregon, South Dakota, Texas, Utah,

Wisconsin, Wyoming). **Neotropical:** Guatemala, Honduras, Mexico (Oaxaca).

eudorus

Anthrax eudora Coquillett, 1887c: 169. TYPE LOCALITY: USA (California) [L designated by Evenhuis & Greathead (1999: 647) in USNM*].

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

fuscus

Anthrax fusca Fabricius, 1805: 117. TYPE LOCALITY: “America meridionali” [probably = U.S. Virgin Is] [1S in ZMUC].

Anthrax nero Fabricius, 1805: 127. TYPE LOCALITY: “Americae meridionali Insulis” [= U.S. Virgin Is] [1S in ZMUC].

Anthrax trimacula Walker, 1849: 250. TYPE LOCALITY: Jamaica [2S in BMNH*; 1S in MVMA].

Anthrax trimaculata Johnson, 1919b: 429 (unjustified emendation of *Anthrax trimacula* Walker, 1849). [Preoccupied by Macquart, 1848.]

DISTRIBUTION: **Neotropical:** Bahamas, Haiti, Jamaica, Puerto Rico, U.S. Virgin Is.

gorgon

Anthrax gorgon Fabricius, 1805: 126. TYPE LOCALITY: “Americae Insulis” [= U.S. Virgin Is] [6S in ZMUC; 3S in ZMHB*].

Anthrax maimon Fabricius, 1805: 127. TYPE LOCALITY: “Americae meridionali Insulis” [= U.S. Virgin Is] [4S in ZMUC].

DISTRIBUTION: **Neotropical:** Bahamas, British Virgin Is, Dominica, Guadeloupe, Haiti, Jamaica, Puerto Rico, U.S. Virgin Is.

hircinus

Anthrax hircina Coquillett, 1892c: 182. TYPE LOCALITY: USA (California) [H in USNM*].

DISTRIBUTION: **Nearctic:** Mexico (Baja California Norte), USA (California).

iopterus

Anthrax ioptera Wiedemann, 1828: 565. TYPE LOCALITY: “Brasilien” [= Brazil or Uruguay] [1S in SMFD; 1S in ZMHB*].

DISTRIBUTION: **Neotropical:** “Brasilien” [= Brazil or Uruguay].

juncturus

Anthrax junctura Coquillett, 1887c: 163. TYPE LOCALITY: USA (California) [L designated by Evenhuis & Greathead (1999: 648) in USNM*].

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

lepidotoides

Villa lepidotoides Johnson, 1919a: 12. TYPE LOCALITY: USA (New Jersey) [H in MCZ*].

DISTRIBUTION: **Nearctic:** USA (New Jersey).

leviculus

Anthrax levicula Coquillett, 1894a: 99. TYPE LOCALITY: USA (California) [L designated by Evenhuis & Greathead (1999: 649) in USNM*].

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

litoralis

Villa litoralis Hall, 1976a: 231. TYPE LOCALITY: Chile [H in MEUC*].
DISTRIBUTION: **Neotropical**: Chile.

miniata

Villa miniata Oldroyd, 1938: 89. TYPE LOCALITY: Argentina [H in BMNH*].
DISTRIBUTION: **Neotropical**: Argentina.

mobile

Anthrax mobile Coquillett, 1894a: 100. TYPE LOCALITY: USA (California) [H in USNM*].
DISTRIBUTION: **Nearctic**: USA (California).

multicolor

Glossista multicolor Bigot, 1892: 352. TYPE LOCALITY: Chile [L designated by Painter & Painter (1974: 252) in BMNH*].
DISTRIBUTION: **Neotropical**: Chile.

niveus

Villa nivea Cole, 1923: 302. TYPE LOCALITY: Mexico (Baja California Sur) [H in CAS].
DISTRIBUTION: **Nearctic**: Mexico (Baja California Sur).

pallidulus

Anthrax pallidula Coquillett, 1894a: 99. TYPE LOCALITY: USA (California) [H in USNM*].
DISTRIBUTION: **Nearctic**: USA (California).

panamensis

Villa rava Painter, 1933b: 9. TYPE LOCALITY: Panama [H in AMNH*]. [Preoccupied by Roberts, 1928.]
Chrysanthrax panamensis Evenhuis & Greathead, 1999: 428 (new replacement name for *Villa rava* Painter, 1933).
DISTRIBUTION: **Neotropical**: Panama.

partitus

Chrysanthrax partita Tabet & Hall, 1987: 139. TYPE LOCALITY: USA (California) [H in CAS*].
DISTRIBUTION: **Nearctic**: USA (California).

petalonyx

Chrysanthrax petalonyx Tabet & Hall, 1987: 141. TYPE LOCALITY: USA (California) [H in CAS*].
DISTRIBUTION: **Nearctic**: USA (California).

philippii

Anthrax philippii Rondani, 1863: 65 [1864: 65]. TYPE LOCALITY: Chile [H in MZUN].
Anthrax fulvago Philippi, 1865: 669. TYPE LOCALITY: Chile [T (lost?) in MNNC (see Note 22)].
DISTRIBUTION: **Neotropical**: Chile.

primitivus

Anthrax primitiva Walker, 1849: 257. TYPE LOCALITY: Galapagos Is [H in BMNH*].
DISTRIBUTION: **Neotropical**: Galapagos Is.

procedens

Anthrax procedens Walker, 1852: 185. TYPE LOCALITY: “Columbia” [= Colombia] [H in BMNH*].

DISTRIBUTION: **Neotropical**: Colombia.

quadripunctatus

Villa quadripunctata Cole, 1923: 298. TYPE LOCALITY: Mexico (Sonora) [H in CAS].

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

restitutus

Anthrax restituta Walker, 1852: 174. TYPE LOCALITY: “South America” [probably = Argentina] [1S in BMNH*; 1S in MVMA].

DISTRIBUTION: **Neotropical**: Argentina.

sackenianus

Anthrax sackeniana Williston, 1901: 276. TYPE LOCALITY: Mexico (Guerrero) [H in BMNH*].

DISTRIBUTION: **Nearctic**: Mexico (Guerrero, Hidalgo, Michoacán de Ocampo, Morelos). **Neotropical**: Mexico (Oaxaca).

scitulus

Anthrax scitula Coquillett, 1887c: 172. TYPE LOCALITY: USA (California) [L designated by Evenhuis & Greathead (1999: 651) in USNM*].

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

semilugens

Anthrax semilugens Philippi, 1865: 664. TYPE LOCALITY: Chile [N designated by Hall (1976a: 238) in MEUC*].

Anthrax uncinatus Bigot, 1892: 356. TYPE LOCALITY: Chile [L designated by Painter & Painter (1974: 276) in BMNH*].

DISTRIBUTION: **Neotropical**: Chile.

subandinus

Anthrax subandina Philippi, 1865: 667. TYPE LOCALITY: Chile [N designated by Hall (1976a: 240) in MEUC*].

DISTRIBUTION: **Neotropical**: Chile.

supinus

Anthrax supina Coquillett, 1887c: 169. TYPE LOCALITY: USA (California) [L designated by Evenhuis & Greathead (1999: 652) in USNM*].

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

tantillus

Anthrax tantilla Coquillett, 1892c: 184. TYPE LOCALITY: USA (California) [H in USNM*].

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

telluris

Anthrax telluris Coquillett, 1892c: 182. TYPE LOCALITY: USA (California) [L designated by Evenhuis & Greathead (1999: 652) in USNM*].

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

terrenus

Anthrax terrena Coquillett, 1892c: 181. TYPE LOCALITY: USA (California) [L designated by Evenhuis & Greathead (1999: 652) in USNM*].

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

turbatus

Anthrax turbata Coquillett, 1887c: 168. TYPE LOCALITY: USA (California) [L designated by Evenhuis & Greathead (1999: 653) in USNM*].

Anthrax comparata Tucker, 1907: 90. TYPE LOCALITY: USA (Colorado) [2S in SEMC].

DISTRIBUTION: **Nearctic:** USA (California, Colorado, Kansas, Nebraska, New Mexico, Texas).

vanus

Anthrax vana Coquillett, 1887c: 180. TYPE LOCALITY: USA (California) [L designated by Evenhuis & Greathead (1999: 653) in USNM*].

DISTRIBUTION: **Nearctic:** Mexico (Baja California Norte, Sonora, Tiburon I), USA (California, Oregon, Utah).

variatus

Anthrax variata Coquillett, 1892c: 184. TYPE LOCALITY: USA (California) [L designated by Evenhuis & Greathead (1999: 653) in USNM*].

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

Genus **CYANANTHRAX** Painter

CYANANTHRAX Painter, 1959: 73. Type species: *Anthrax cyanoptera* Wiedemann, 1830, by original designation.

cyanopterus

Anthrax cyanoptera Wiedemann, 1830: 638. TYPE LOCALITY: "Mexiko" [probably = Mexico (Oaxaca)] [2S in ZMHB*].

DISTRIBUTION: **Nearctic:** Mexico (Guerrero, Jalisco, México, Michoacán de Ocampo, Morelos, Puebla). **Neotropical:** Mexico (Oaxaca).

Genus **DEUSOPORA** Hull

DEUSOPORA Hull, 1971a: 1. Type species: *Deusopora sapphirina* Hull, 1971, by original designation.

sapphirina

Deusopora sapphirina Hull, 1971a: 1. TYPE LOCALITY: Brazil (Santa Catarina) [H in CNC*].

DISTRIBUTION: **Neotropical:** Brazil (Santa Catarina).

Genus **DIOCHANTHRAX** Hall

DIOCHANTHRAX Hall, 1975b: 109 (as subgenus of *Villa* Lioy). Type species: *Villa morulus* Hall, 1975, by monotypy.

morulus

Villa morulus Hall, 1975b: 109. TYPE LOCALITY: USA (California) [H in CAS*].

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

Genus **DIPALTA** Osten Sacken

DIPALTA Osten Sacken, 1877: 236. Type species: *Dipalta serpentina* Osten Sacken, 1877, by monotypy.

banksi

Dipalta banksi Johnson, 1921: 12. TYPE LOCALITY: USA (Virginia) [H in MCZ*].

DISTRIBUTION: **Nearctic**: USA (Ohio, Virginia).

serpentina

Anthrax serpentina Osten Sacken, 1877: 237. TYPE LOCALITY: USA (California) [L designated by Evenhuis (1982b: 17) in MCZ*].

DISTRIBUTION: **Nearctic**: Mexico (Guerrero, Hidalgo, México, Morelos, Puebla, San Luis Potosí, Sinaloa), USA (Arizona, Arkansas, California, Colorado, Florida, Georgia, Idaho, Illinois, Indiana, Iowa, Kansas, Kentucky, Maine, Maryland, Massachusetts, Michigan, Minnesota, Missouri, Montana, Nebraska, Nevada, New Mexico, North Carolina, North Dakota, Ohio, Oklahoma, Oregon, South Dakota, Tennessee, Texas, Utah, Washington, Wisconsin, Wyoming). **Neotropical**: Cuba, Guatemala, Honduras.

Genus **DIPLOCAMPTA** Schiner

DIPLOCAMPTA Schiner, 1868a: 312 [1868b: 119]. Type species: *Diplocampta singularis* Schiner, 1868 [= *Anthrax conopas* Philippi, 1865], by original designation.

conopas

Anthrax conopas Philippi, 1865: 674. TYPE LOCALITY: Chile [T (lost?) in MNNC (see Note 22)].

Diplocampta singularis Schiner, 1868a: 312 [1868b: 120]. TYPE LOCALITY: Chile [L designated by Painter & Painter (1974: 168) in NMW].

DISTRIBUTION: **Neotropical**: Chile.

exilis

Diplocampta exilis Hall, 1976a: 176. TYPE LOCALITY: Chile [H in MEUC*].

DISTRIBUTION: **Neotropical**: Chile.

homolos

Diplocampta homolos Hall, 1976a: 177. TYPE LOCALITY: Chile [H in MEUC*].

DISTRIBUTION: **Neotropical**: Chile.

marnefi

Diplocampta marnefi Hall, 1976a: 179. TYPE LOCALITY: Chile [H in KBIN*].

DISTRIBUTION: **Neotropical**: Chile.

platypteron

Diplocampta platypteron Hall, 1976a: 180. TYPE LOCALITY: Chile [H in MEUC*].

DISTRIBUTION: **Neotropical**: Chile.

secunda

Diplocampta secunda Paramonov, 1931b: 45(45). TYPE LOCALITY: Chile [H in DEI*].

Diplocampta subsinuata Oldroyd, 1938: 92. TYPE LOCALITY: Chile [H in BMNH*].

DISTRIBUTION: **Neotropical:** Chile.

Genus **EXECHOHYPOPION** Evenhuis

EXECHOHYPOPION Evenhuis, 1991a: 283. Type species: *Exechohypopion greatheadi* Evenhuis, 1991, by original designation.

albatum

Villa albata Roberts, 1928a: 124. TYPE LOCALITY: Australia (WA) [H (lost) in MAMU].

DISTRIBUTION: **Australasian/Oceanian:** Australia (WA).

corrigiolatum

Anthrax corrigiolata Rondani, 1863: 62 [1864: 62]. TYPE LOCALITY: Chile [H in MZUN].

Anthrax balteata Philippi, 1865: 673. TYPE LOCALITY: Chile [T (lost?) in MNNC (see Note 22)].

DISTRIBUTION: **Neotropical:** Chile.

greatheadi

Exechohypopion greatheadi Evenhuis, 1991a: 286. TYPE LOCALITY: New Caledonia (New Caledonia) [H in BPBM*].

DISTRIBUTION: **Australasian/Oceanian:** New Caledonia (New Caledonia).

inglorium

Anthrax ingloria Philippi, 1865: 674. TYPE LOCALITY: Chile [N designated by Hall (1976a: 225) in MEUC*].

Anthrax pusio Philippi, 1865: 674. TYPE LOCALITY: Chile [T (lost?) in MNNC (see Note 22)]. [Preoccupied by Macquart, 1840.]

DISTRIBUTION: **Neotropical:** Chile.

leucomallum

Anthrax leucomalla Philippi, 1865: 672. TYPE LOCALITY: Chile [N designated by Hall (1976a: 226) in MEUC*].

DISTRIBUTION: **Neotropical:** Chile.

minus

Anthrax minor Macquart, 1850: 415(111). TYPE LOCALITY: Australia (Tasmania) [3S in MNHN*].

DISTRIBUTION: **Australasian/Oceanian:** Australia (Tasmania), ?New Caledonia (New Caledonia).

nigricosta

Anthrax nigricosta Macquart, 1850: 415(111). TYPE LOCALITY: "Tasmanie" [error, = Australia (NSW) (see Hardy, 1929: 61)] [L designated by Evenhuis & Greathead (1999: 650) in MNHN*].

nigricostata, error for *nigricosta*.

DISTRIBUTION: **Australasian/Oceanian:** Australia (NSW, Queensland, SA, Victoria).

nigrocrurum

Villa nigrocrura Hall, 1976a: 226. TYPE LOCALITY: Chile H in MEUC*].

DISTRIBUTION: **Neotropical:** Chile.

praeteritum

Villa praeterita Oldroyd, 1938: 88. TYPE LOCALITY: Chile [H in BMNH*].

DISTRIBUTION: **Neotropical**: Chile.

robertsi

Villa brunea Roberts, 1928a: 118. TYPE LOCALITY: Australia (NSW) [H in QM]. [Pre-occupied by Becker, 1916.]

Exechohypopion robertsi Evenhuis & Greathead, 1999: 433 (new replacement name for *Villa brunea* Roberts, 1928).

DISTRIBUTION: **Australasian/Oceanian**: Australia (NSW).

subobscurum

Anthrax obscura Macquart, 1846: 240(112). TYPE LOCALITY: “Nouvelle-Hollande” [= Australia] [T (lost?) in MNVL]. [Preoccupied by Weber, 1801.]

Anthrax subobscura Hardy, 1942: 203 (new replacement name for *Anthrax obscura* Macquart, 1846).

DISTRIBUTION: **Australasian/Oceanian**: Australia (Queensland).

therephaga

Exechohypopion therephaga Yeates in Irwin & Yeates, 1995: 1319. TYPE LOCALITY: Australia (NSW) [H in ANIC].

DISTRIBUTION: **Australasian/Oceanian**: Australia (NSW).

unum

Villa una Oldroyd, 1938: 88. TYPE LOCALITY: Chile [H in BMNH*].

DISTRIBUTION: **Neotropical**: Chile.

Genus EXHYALANTHRAX Becker

EXHYALANTHRAX Becker, 1916: 44 (as subgenus of *Villa* Lioy). Type species: *Anthrax vagans* Loew, 1862 [= *Anthrax muscaria* Pallas, 1818], by subsequent designation (Bezzi, 1924a: 7, 192).

ORIELLUS Hull, 1973: 403 (as subgenus of *Thyridanthrax* Osten Sacken). Type species: *Anthrax stigmula* Klug, 1832, by original designation.

TAUROPSIS Hull, 1973: 365, 368 (as subgenus of *Thyridanthrax* Osten Sacken). Type species: *Anthrax irrorella* Klug, 1832, by original designation.

aberrans

Thyridanthrax aberrans Hesse, 1956b: 595. TYPE LOCALITY: South Africa (Northern Cape) [3S in SAMC].

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

abruptoides

Thyridanthrax abruptoides Hesse, 1956b: 574. TYPE LOCALITY: South Africa (Western Cape) [68S in SAMC; 4S in BMNH*; 1S in NMBZ; 13S in NMSA*].

DISTRIBUTION: **Afrotropical**: Botswana, South Africa (KwaZulu-Natal, Northern Cape, Northern Province, Western Cape), Zimbabwe.

abruptus

Anthrax abruptus Loew, 1860a: 90 [1860b: 291; 1860c: 219]. TYPE LOCALITY: “Caffraria” [= South Africa (Eastern Cape)] [H in NHRS].

Anthrax linea Loew, 1860a: 91 [1860b: 294; 1860c: 222]. TYPE LOCALITY: “Caffraria” [= South Africa (Eastern Cape)] [H in NHRS].

DISTRIBUTION: **Afrotropical:** Botswana, Eritrea, Ethiopia, Kenya, Namibia, South Africa (Eastern Cape, Gauteng, KwaZulu-Natal, Northern Cape, Northern Province, Western Cape), Swaziland, Tanzania.

absalon

Anthrax absalon Wiedemann, 1824: 24. TYPE LOCALITY: "India orient." [probably = India (Bihar or West Bengal) (see Pont, 1996: 151)] [1S in ZMUC].

Thyridanthrax indianus François, 1967c: 291. TYPE LOCALITY: India (Tamil Nadu) [H in NHMB].

DISTRIBUTION: **Oriental:** India (Maharashtra, Orissa, Tamil Nadu, West Bengal), Malaysia, Sri Lanka.

afer

Anthrax afer Fabricius, 1794: 258. TYPE LOCALITY: "Kiliae" [= Germany] [1S in ZMUC].

Anthrax fimbriata Meigen, 1804: 205. TYPE LOCALITY: Italy [L designated by François (1967c: 292) in MNHN*].

Anthrax sirius Hoffmannsegg in Wiedemann, 1818a: 12. [Unavailable; name proposed in synonymy with *Anthrax afer* Fabricius and not made available before 1961.]

Anthrax hemipterus Pallas in Wiedemann, 1818a: 12. [Unavailable; name proposed in synonymy with *Anthrax afer* Fabricius and not made available before 1961.]

Anthrax marginalis Wiedemann in Meigen, 1820: 149. TYPE LOCALITY: Portugal [H in ZMHB*].

Anthrax sirius Meigen, 1820: 154. [Unavailable; name proposed in synonymy with *Anthrax fimbriata* Meigen and not made available before 1961.]

Anthrax tangerinus Bigot, 1892: 353. TYPE LOCALITY: "Maroc" [= Morocco] [H in UMO*].

Thyridanthrax burtti Hesse, 1956b: 619. TYPE LOCALITY: "Kenya" [H in BMNH*].

Thyridanthrax aequisexus Bowden, 1964a: 112. TYPE LOCALITY: Ghana [H in JB].

Thyridanthrax decipiens Bowden, 1964a: 114. TYPE LOCALITY: "Ashanti" [= Ghana] [H in JB].

DISTRIBUTION: **Afrotropical:** Chad, Eritrea, Ghana, Kenya, Yemen. **Oriental:** Pakistan. **Palaeartic:** Afghanistan, Armenia, Austria, Azerbaijan, Belgium, Bulgaria, China (Beijing, Nei Monggol, Sichuan, Xinjiang, Xizang), Croatia, Cyprus, Czech Republic, Denmark, Egypt, France (incl. Corsica), Germany, Gibraltar, Greece (incl. Lesbos), Gruzia, Hungary, Iran, Israel, Italy (incl. Sardinia, Sicily), Kazakhstan, Kyrgyz Republic, Libya, Macedonia, Malta, Mongolia, Morocco, Netherlands, Oman, Poland, Portugal, Romania, Russia (WS), Saudi Arabia, Slovakia, Slovenia, Spain (incl. Ibiza, Mallorca), Switzerland, Tajikistan, Turkey, Turkmenistan, Ukraine, United Arab Emirates, Uzbekistan, Yugoslavia.

alatus

Hemipenthes alatus Becker, 1910a: 134. TYPE LOCALITY: Yemen (Socotra) [H in MNHN].

DISTRIBUTION: **Afrotropical:** Yemen (Abd-el-Kuri, Socotra).

alliopterus

Thyridanthrax alliopterus Hesse, 1956b: 617. TYPE LOCALITY: "Tanganyika" [= Tanzania] [H in BMNH*].

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

anisospilus

Thyridanthrax anisospilus Hesse, 1956b: 562. TYPE LOCALITY: South Africa (Western Cape) [54S in SAMC].

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

aravensis

Exhyalanthrax aravensis Zaitzev, 1999: 889. TYPE LOCALITY: Israel [H in ZIS].

DISTRIBUTION: **Palaeartic**: Israel.

arenicola

Thyridanthrax arenicolus Hesse, 1956b: 597. TYPE LOCALITY: South Africa (Western Cape) [4S in SAMC].

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

argentifer

Villa argentifer Becker, 1916: 46. TYPE LOCALITY: Greece [H (destroyed) in HNHM (see Note 9)].

DISTRIBUTION: **Palaeartic**: Greece (incl. Lesbos), Iran, Macedonia, Turkey, Yugoslavia.

argentifrons

Hemipenthes argentifrons Becker, 1910a: 133. TYPE LOCALITY: Yemen (Socotra) [2S in MNHN].

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

atriventris

Thyridanthrax atriventris Hesse, 1956b: 553. TYPE LOCALITY: South Africa (Western Cape) [18S in SAMC].

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

auctellus

Thyridanthrax auctellus Shiraki, 1932: 124. TYPE LOCALITY: Japan [T in UNKN].

Thyridanthrax auctellus Bezzi in Hennig, 1941: 69 [*in* Rohlfien & Ewald, 1980: 224]. *Nomen nudum*. [Preoccupied by Shiraki, 1932.]

DISTRIBUTION: **Palaeartic**: Japan.

autumnalis

Villa autumnalis Becker, 1916: 47. TYPE LOCALITY: “Klein-Asien” [= Turkey] [2S (destroyed) in HNHM (see Note 9)].

DISTRIBUTION: **Palaeartic**: Egypt, Iran, Turkey.

bechuanus

Thyridanthrax bechuanus Hesse, 1956b: 591. TYPE LOCALITY: “Bechuanaland” [= Botswana] [H in NMSA*].

DISTRIBUTION: **Afrotropical**: Botswana, Mozambique.

beckerianus

Thyridanthrax beckerianus Bezzi, 1924a: 197. TYPE LOCALITY: Sierra Leone [4S in BMNH*].

Thyridanthrax argentifrons Austen, 1929: 155. TYPE LOCALITY: Nigeria [H in BMNH*]. [Preoccupied by Becker, 1910.]

Thyridanthrax argyrolophus Hesse, 1956b: 557. TYPE LOCALITY: “South-West Africa” [= Namibia] [H in SAMC].

DISTRIBUTION: **Afrotropical**: Chad, Kenya, Namibia, Nigeria, Senegal, Sierra Leone, Tanzania, Zimbabwe. **Palaeartic**: Oman, Saudi Arabia, United Arab

Emirates.

beneficus

Thyridanthrax beneficus Austen, 1929: 162. TYPE LOCALITY: "Portuguese East Africa" [= Mozambique] [H in BMNH*].

DISTRIBUTION: **Afrotropical**: Mozambique, Zimbabwe.

blattae

Exhyalanthrax blattae Greathead in Greathead & Grandcolas, 1995: 94. TYPE LOCALITY: Saudi Arabia [H in MNHN*].

DISTRIBUTION: **Palaeartic**: Saudi Arabia.

bolbocerus

Thyridanthrax bolbocerus Hesse, 1956b: 602. TYPE LOCALITY: South Africa (Western Cape) [9S in SAMC*; 1S in BPBM*].

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

caffrariae

Thyridanthrax caffrariae Hesse, 1956b: 587. TYPE LOCALITY: South Africa (Eastern Cape) [H in NMSA*].

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

canarionae

Exhyalanthrax canarionae Báez, 1990: 442. TYPE LOCALITY: Canary Is [H in MABC].

DISTRIBUTION: **Palaeartic**: Canary Is.

cidarellus

Thyridanthrax cidarellus Hesse, 1956b: 564. TYPE LOCALITY: South Africa (Western Cape) [16S in SAMC].

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

collarti

Thyridanthrax collarti François, 1962a: 4. TYPE LOCALITY: Spain [H in KBIN*].

DISTRIBUTION: **Palaeartic**: Greece, Italy, Spain.

compactus

Lepidanthrax compacta Brunetti, 1920: 233. TYPE LOCALITY: India (Uttar Pradesh) [2S in BMNH*].

DISTRIBUTION: **Oriental**: India (Karnataka, Uttar Pradesh).

contrarius

Villa contraria Becker, 1916: 48. TYPE LOCALITY: "Dalmatia" [= Croatia] [H in ZMHB*].

DISTRIBUTION: **Palaeartic**: Croatia, Greece, Italy.

costalis

Thyridanthrax costalis Bowden, 1964a: 106. TYPE LOCALITY: Ghana [H in BMNH*].

DISTRIBUTION: **Afrotropical**: Chad, Gambia, Ghana, Mauritania.

entamari

Exhyalanthrax entamari Zaitzev, 1999: 892. TYPE LOCALITY: Israel [H in ZIS].

DISTRIBUTION: **Palaeartic**: Israel.

finidrontis

Thyridanthrax nitidifrons Hesse, 1956b: 590. TYPE LOCALITY: South Africa (Northern Cape) [H in SAMC]. [Preoccupied by Austen, 1936.]

Exhalyanthrax finidrontis Evenhuis & Greathead, 1999: 437 (new replacement name for *Thyridanthrax nitidifrons* Hesse, 1956).

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

flammiger

Anthrax flammiger Walker, 1849: 262 TYPE LOCALITY: Sierra Leone [H in BMNH*].

Anthrax leucoprocta Loew, 1860a: 91 [1860b: 294; 1860c: 222]. TYPE LOCALITY: “Cap. B. Sp.” [= South Africa (Western Cape)] [T in UNKN].

DISTRIBUTION: **Afrotropical**: Botswana, Chad, Eritrea, Ethiopia, Ghana, Kenya, Mali, Namibia, Niger, Nigeria, Senegal, Sierra Leone, South Africa (Eastern Cape, Gauteng, KwaZulu-Natal, Northern Cape, “Transvaal”, Western Cape), Tanzania, Uganda, Zambia, Zimbabwe.

intermedius

Hemipenthes intermedius Paramonov, 1927d: 168. TYPE LOCALITY: Armenia [H (lost) in SIZK].

DISTRIBUTION: **Palaearctic**: Armenia, Azerbaijan, Gruzia.

irrorellus

Anthrax irrorella Klug, 1832: pl. 30, fig. 16. TYPE LOCALITY: “Syria” [= Lebanon (see Baker, 1997: 194)] [H in ZMHB*].

Anthrax inconspicua Loew, 1856: 29. TYPE LOCALITY: Egypt [S in ZMHB].

DISTRIBUTION: **Palaearctic**: Egypt, Lebanon, Libya, Syria.

keiseri

Thyridanthrax keiseri François, 1968c: 205. TYPE LOCALITY: India (Tamil Nadu) [H (lost) in KBIN].

DISTRIBUTION: **Oriental**: India (Andaman Is, Kashmir, Tamil Nadu), Bangladesh, Pakistan, Sri Lanka, Thailand.

lepidulus

Thyridanthrax lepidulus Austen, 1937: 157. TYPE LOCALITY: Israel [4S in BMNH*].

DISTRIBUTION: **Palaearctic**: Israel.

leucotaeniatus

Thyridanthrax leucotaeniatus Engel, 1936d: 539. TYPE LOCALITY: Egypt & Sudan [3S (destroyed) in ESEC (see Note 4)].

DISTRIBUTION: **Afrotropical**: Sudan. **Palaearctic**: Egypt.

lloydi

Villa lloydi Austen, 1914: 92. TYPE LOCALITY: “Northern Rhodesia” [= Zambia] [H in BMNH*].

DISTRIBUTION: **Afrotropical**: Tanzania, Zambia, Zimbabwe.

lugens

Anthrax lugens Loew, 1860a: 91 [1860b: 292; 1860c: 220]. TYPE LOCALITY: “Cap. B. Sp.” [= South Africa (Western Cape)] [2S in ZMHB*].

Thyridanthrax griseifrons Hesse, 1956b: 580. TYPE LOCALITY: South Africa (Western Cape) [58S in SAMC].

Thyridanthrax brevifacies Hesse, 1956b: 582. TYPE LOCALITY: South Africa (KwaZulu-Natal) [98S in SAMC].

DISTRIBUTION: **Afrotropical**: Botswana, Kenya, Namibia, South Africa (Free State, Eastern Cape, KwaZulu-Natal, Northern Cape, Western Cape), Tanzan-

ia, Zimbabwe.

luteolus

Thyridanthrax luteolus Bezzi, 1924a: 200. TYPE LOCALITY: “Kenya Colony” [= Kenya] [H in BMNH*].

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

macrops

Anthrax macrops Portschinsky, 1887: 186. TYPE LOCALITY: Armenia [L designated by Zaitzev & Kandybina (1983: 27) in ZIS].

DISTRIBUTION: **Palaeartic**: Armenia, Azerbaijan, Gruzia, Kyrgyz Republic, Tajikistan, Turkmenistan, Uzbekistan.

melanchlaenus

Anthrax melanchlaenus Loew, 1869b: 175. TYPE LOCALITY: Greece (Rhodes) & “Küsten Kleinasien” [= Greece, Syria, or Turkey] [12S in ZMHB*].

Thyridanthrax albicingulus Austen, 1936: 193. TYPE LOCALITY: Cyprus & Lebanon [2S in BMNH*].

Thyridanthrax agnitionalis Austen, 1937: 151. TYPE LOCALITY: Israel [H in BMNH*].

DISTRIBUTION: **Palaeartic**: Armenia, Azerbaijan, Cyprus, Greece (incl. Ithaca, Lesbos, Rhodes, Zakynthos), Gruzia, Iran, Israel, Italy, Lebanon, Portugal, Spain, Syria, Turkey.

melanopleurus

Thyridanthrax melanopleurus Bezzi, 1912: 626. TYPE LOCALITY: “North Nyasa” [= Malawi] [H in BMNH*].

DISTRIBUTION: **Afrotropical**: Kenya, Malawi.

monticola

Thyridanthrax monticolus Hesse, 1956b: 579. TYPE LOCALITY: South Africa (Western Cape) [H in SAMC].

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

muscarius

Anthrax muscaria Pallas in Wiedemann, 1818a: 13. TYPE LOCALITY: “australibus Rossiae” [= Russia (SET) (see Pont, 1995: 150)] [T in NMW (see Note 20)].

Anthrax vagans Loew, 1862a: 81. TYPE LOCALITY: Italy (Sicily) & Greece & “Kleinasien” [= Turkey] [21S in ZMHB*; 2S in UMO*].

Anthrax squamifera Jaenicke, 1867a: 67. TYPE LOCALITY: “Europe mer.” [= France or Spain] [S in SMFD].

Anthrax marginalis Bezzi in Becker, Bezzi, Bischof, Kertész, & Stein, 1903: 180. *Nomen nudum*. [Preoccupied by Wiedemann, 1820.]

Anthrax marginalis Loew in Kertész, 1909: 57. *Nomen nudum*. [Preoccupied by Wiedemann, 1820.]

Hemipenthes vagans var. *beckeri* Paramonov, 1927d: 164. TYPE LOCALITY: Not given [probably = Armenia] [S (lost) in SIZK].

Thyridanthrax vagans var. *unistriata* Engel, 1936d: 555. TYPE LOCALITY: Egypt [H (destroyed) in ESEC (see Note 4)].

Thyridanthrax innocens Austen, 1936: 195. TYPE LOCALITY: Cyprus [2S in BMNH*].

Thyridanthrax amoenus Austen, 1937: 155. TYPE LOCALITY: Israel (Gaza Strip) [5S in BMNH*].

DISTRIBUTION: **Oriental**: Pakistan. **Palaeartic**: Afghanistan, Armenia, Austria, Azerbaijan, Croatia, Cyprus, Egypt, France (incl. Corsica), Germany,

Gibraltar, Greece (incl. Corfu, Lesbos, Rhodes), Gruzia, Hungary, Iran, Israel (incl. Gaza Strip), Italy (incl. Sardinia, Sicily), Kyrgyz Republic, Macedonia, Moldova, Poland, Portugal, Romania, Russia (SET), Slovenia, Spain, Switzerland, SYRIA, Tajikistan, Tunisia, Turkey, Turkmenistan, Ukraine, Uzbekistan, Yugoslavia.

negevensis

Exhylanthrax negevensis Zaitzev, 1999: 891. TYPE LOCALITY: Israel [H in ZIS].

DISTRIBUTION: **Palaeartic**: Israel.

niveifrons

Thyridanthrax niveifrons Hesse, 1956b: 567. TYPE LOCALITY: South Africa (Northern Cape) [3S in SAMC].

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

occidabruptus

Thyridanthrax occidabruptus Bowden, 1964a: 108. TYPE LOCALITY: Nigeria [H in JB].

DISTRIBUTION: **Afrotropical**: Burundi, Cameroon, Ghana, Ivory Coast, Niger, Nigeria, Senegal.

occiduus

Thyridanthrax occiduus Hesse, 1956b: 589. TYPE LOCALITY: South Africa (Western Cape) [H in SAMC].

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

ogasawarensis

Anthrax ogasawarensis Matsumura, 1916: 281. TYPE LOCALITY: Bonin Is [H in EIHU*].

DISTRIBUTION: **Australasian/Oceanian**: Bonin Is. **Palaeartic**: Japan.

parvus

Hemipenthes vagans var. *parvus* Paramonov, 1927d: 164. TYPE LOCALITY: Armenia [S (lost) in SIZK].

DISTRIBUTION: **Palaeartic**: Armenia, Azerbaijan, Gruzia, Turkmenistan.

perpusillus

Thyridanthrax perpusillus Austen, 1937: 159. TYPE LOCALITY: Israel [H in BMNH*].

DISTRIBUTION: **Palaeartic**: Israel, Syria.

phileremus

Thyridanthrax phileremus Hesse, 1956b: 561. TYPE LOCALITY: South Africa (Northern Cape) [10S in SAMC*; 1S in BPBM*].

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

pseudoflammiger

Thyridanthrax pseudoflammiger Bezzi, 1924a: 197. TYPE LOCALITY: Yemen [H in BMNH*].

DISTRIBUTION: **Afrotropical**: Chad, Eritrea, Yemen. **Palaeartic**: Saudi Arabia.

recursus

Thyridanthrax recursus Bowden, 1962b: 57. TYPE LOCALITY: Congo [H in MRAC].

DISTRIBUTION: **Afrotropical**: Congo.

resculus

Thyridanthrax resculus François, 1968c: 209. TYPE LOCALITY: India (Tamil Nadu) [H in BMNH*].

DISTRIBUTION: **Oriental:** India (Tamil Nadu).

salutaris

Thyridanthrax salutaris Austen, 1929: 154. TYPE LOCALITY: “Nyasaland Protectorate” [= Malawi] [H in BMNH*].

DISTRIBUTION: **Afrotropical:** Malawi, Zimbabwe.

semilautus

Thyridanthrax semilautus Hesse, 1956b: 599. TYPE LOCALITY: South Africa (Western Cape) [4S in SAMC].

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

simmondsi

Thyridanthrax simmondsi Hesse, 1956b: 586. TYPE LOCALITY: South Africa (Western Cape) [H in BMNH*].

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

simonae

Thyridanthrax simonae François, 1970a: 73. TYPE LOCALITY: Canary Is [H in KBIN*].

DISTRIBUTION: **Palaeartic:** Canary Is.

stigmulus

Anthrax stigmula Klug, 1832, pl. 30, fig. 13. TYPE LOCALITY: Egypt [2S in ZMHB*].

DISTRIBUTION: **Palaeartic:** Armenia, Azerbaijan, Egypt, Gruzia, Iran.

stylicornis

Thyridanthrax stylicornis Hesse, 1956b: 600. TYPE LOCALITY: South Africa (Western Cape) [29S in SAMC].

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

thyridus

Thyridanthrax thyridus Hesse, 1956b: 596. TYPE LOCALITY: South Africa (Western Cape) [1S in NMSA*; 34S in SAMC].

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

timurensis

Hemipenthes timurensis Paramonov, 1927d: 190. TYPE LOCALITY: Uzbekistan [H in SIZK].

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

transiens

Thyridanthrax transiens Bezzi, 1921a: 134. TYPE LOCALITY: “S. Rhodesia” [= Zimbabwe] [H in SAMC].

Thyridanthrax transiens Bezzi, 1924a: 203. TYPE LOCALITY: “N. Nyasa” [= Malawi] [7S in BMNH*]. [Preoccupied by Bezzi, 1921.]

DISTRIBUTION: **Afrotropical:** Botswana, Kenya, Malawi, Mozambique, Namibia, South Africa (Eastern Cape, KwaZulu-Natal, “Transvaal”), Swaziland, Tanzania, Uganda, Zambia, Zimbabwe.

transitus

Thyridanthrax transitus Bowden, 1964a: 113. TYPE LOCALITY: “Ashanti” [= Ghana] [H in JB].

DISTRIBUTION: **Afrotropical**: Ghana, Nigeria.

triangularis

Thyridanthrax triangularis Bezzi, 1924a: 195. TYPE LOCALITY: Yemen [2S in BMNH*].

DISTRIBUTION: **Afrotropical**: Yemen. **Palaeartic**: Saudi Arabia.

unicolor

Anthrax unicolor Becker, 1902: 24. TYPE LOCALITY: Egypt [2S in ZMHB*].

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

uroganus

Thyridanthrax uroganus Hesse, 1956b: 564. TYPE LOCALITY: South Africa (Western Cape) [11S in SAMC].

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

vicinalis

Thyridanthrax vicinalis Hesse, 1956b: 595. TYPE LOCALITY: South Africa (Western Cape) [7S in SAMC].

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

viduatus

Anthrax viduata Loew, 1860a: 91 [1860b: 293; 1860c: 221]. TYPE LOCALITY: “Cap. B. Sp.” [= South Africa (Western Cape)] [H in NHRS].

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

vitripennis

Thyridanthrax vitripennis Lindner, 1975: 18. TYPE LOCALITY: Iran [2S in SMNS].

DISTRIBUTION: **Palaeartic**: Iran.

volkovitshi

Exhyalanthrax volkovitshi Zaitzev, 1999: 894. TYPE LOCALITY: Israel [H in ZIS].

DISTRIBUTION: **Palaeartic**: Israel.

zinnii

Thyridanthrax zinnii Hesse, 1956b: 568. TYPE LOCALITY: South Africa (Western Cape) [2S in SAMC].

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

Genus **HEMIPENTHES** Loew

HEMIPENTHES Loew, 1869c: 28 [1872c: 142]. Type species: *Musca morio* Linnaeus, 1758, by subsequent designation (Coquillett, 1894a: 90).

ISOPENTHES Osten Sacken, 1886a: 80, 96. Type species: *Isopenthes jaennickeana* Osten Sacken, 1886, by subsequent designation (Coquillett, 1910b: 556).

bigradata

Anthrax bigradata Loew, 1869c: 23 [1872c: 137]. TYPE LOCALITY: Cuba [H in MCZ*].

DISTRIBUTION: **Nearctic**: USA (California, New Mexico). **Neotropical**: Cuba, Bahamas, Jamaica, Puerto Rico.

blanchardiana

Exoprosopa blanchardiana Jaenicke, 1867b: 341 [1868: 33]. TYPE LOCALITY: "Méjico" [S (lost) in HLMD].

DISTRIBUTION: **Nearctic**: Mexico (Distrito Federal, Guanajuato, Guerrero, México, Puebla, Sonora), USA (Arizona, California, Texas).

castanipes

Hemipenthes castanipes Bigot, 1892: 350. TYPE LOCALITY: "Amérique du Nord" [= Nearctic] [L designated by Painter & Painter (1962: 87) in BMNH*].

DISTRIBUTION: **Nearctic**: "Amérique du Nord".

catulina

Anthrax catulina Coquillett, 1894a: 100. TYPE LOCALITY: USA (California & Washington) [4S (lost) in USNM].

DISTRIBUTION: **Nearctic**: USA (California, Colorado, Idaho, Illinois, Indiana, Iowa, Michigan, Minnesota, Montana, New Jersey, New Mexico, New York, Ohio, Pennsylvania, Utah, Washington, Wisconsin, Wyoming).

caucasica

Hemipenthes hamifera ssp. *caucasica* Zaitzev, 1966a: 199. TYPE LOCALITY: Armenia [H in ZIS].

DISTRIBUTION: **Palearctic**: Armenia, Azerbaijan, Gruzia, Iran.

celeris

Anthrax celeris Wiedemann, 1828: 310. TYPE LOCALITY: USA (Kentucky) [2S in NMW].

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

chimaera

Anthrax chimaera Osten Sacken, 1886b: 114 (key) [1887a: 131]. TYPE LOCALITY: Not given [= Mexico (Sonora) (see Osten Sacken, 1887a: 131) [L designated by Painter & Painter (1962: 96) in BMNH*].

DISTRIBUTION: **Nearctic**: Mexico (Guerrero, Sonora), USA (Arizona).

comanche

Villa comanche Painter in Painter & Painter, 1962: 96. TYPE LOCALITY: USA (New Mexico) [H in USNM*].

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

constituta

Anthrax constituta Walker, 1852: 189. TYPE LOCALITY: "South America" [H in BMNH*].

DISTRIBUTION: **Neotropical**: South America.

curta

Anthrax curta Loew, 1869c: 22 [1872c: 136]. TYPE LOCALITY: USA (California) [H in MCZ*].

DISTRIBUTION: **Nearctic**: Mexico (Colima, Guerrero, Jalisco, Morelos, Nuevo León, Sinaloa, Veracruz-Llave), USA (Arizona, California, New Mexico, Texas). **Neotropical**: Mexico (Oaxaca, Yucatán).

differens

Villa differens Hall, 1976a: 249. TYPE LOCALITY: Chile [H in MEUC*].

DISTRIBUTION: **Neotropical**: Chile.

discolor

Villa discolor Hall, 1976a: 251. TYPE LOCALITY: Chile [H in MEUC*].

DISTRIBUTION: **Neotropical**: Chile.

ditaenia

Anthrax ditaenia Wiedemann, 1828: 283. TYPE LOCALITY: “Montivideo in Brasilien” [= Uruguay] [L designated by Painter & Painter (1974: 199) in NMW].

Exoprosopa maldonadensis Macquart, 1850: 411(107). TYPE LOCALITY: Uruguay [H in MNHN*].

maldanensis, error for *maldonadensis*.

DISTRIBUTION: **Neotropical**: Argentina, Chile, Peru, Uruguay.

divisa

Anthrax divisa Walker, 1852: 190. TYPE LOCALITY: “South America” [H in BMNH*].

DISTRIBUTION: **Neotropical**: South America.

edwardsii

Anthrax edwardsii Coquillett, 1894b: 102. TYPE LOCALITY: USA (California) & Canada (British Columbia) [4S in AMNH*; 1S in USNM*].

DISTRIBUTION: **Nearctic**: Canada (British Columbia), USA (California).

edwarsi

Villa edwarsi Oldroyd, 1938: 86. TYPE LOCALITY: Chile [H in BMNH*].

Hemipenthes edwarsi Stuardo Ortiz, 1946: 94 (unjustified emendation of *Villa edwarsi* Oldroyd, 1938).

Villa oldroydi Hall in Painter & Painter, 1974: 256 [1976a: 253] (unnecessary new replacement name for *Villa edwarsi* Oldroyd, 1938; which is not preoccupied by *Anthrax edwardsii* Coquillett, 1894).

DISTRIBUTION: **Neotropical**: Chile.

epilais

Anthrax epilais Wiedemann, 1828: 307. TYPE LOCALITY: “Brasilien” [= Brazil or Uruguay] [1S in NMW; 2S in ZMHB*].

DISTRIBUTION: **Neotropical**: “Brasilien” [= Brazil or Uruguay].

ethiops

Hemipenthes ethiops Greathead, 1967: 252. TYPE LOCALITY: Ethiopia [H in BMNH*].

aethiops, error for *ethiops*.

DISTRIBUTION: **Afrotropical**: Ethiopia.

eumenes

Anthrax eumenes Osten Sacken, 1886b: 115 (key) [1887a: 131]. TYPE LOCALITY: Mexico (Sonora) [L designated by Painter & Painter (1962: 102) in BMNH*].

DISTRIBUTION: **Nearctic**: Canada (Alberta), Mexico (Sonora), USA (Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Washington). **Neotropical**: Puerto Rico.

eversmanni

Hemipenthes eversmanni Zaitzev, 1966a: 171. TYPE LOCALITY: Kazakhstan [H in ZIS].

DISTRIBUTION: **Palaeartic**: Kazakhstan, Moldova, Russia (SET), Ukraine.

exoprosopoides

Hemipenthes exoprosopoides Paramonov, 1928a: 285(107). TYPE LOCALITY: Iran [H in ZIS].

DISTRIBUTION: **Palaeartic:** Armenia, Azerbaijan, China (Sichuan), Iran, Israel, Kyrgyz Republic, Tajikistan, Turkmenistan, Uzbekistan.

extensa

Exoprosopa extensa Wulp, 1888: 367. TYPE LOCALITY: Argentina [T (destroyed) in ZMAN (R.H. Painter, *in litt.*)].

DISTRIBUTION: **Neotropical:** Argentina.

floridana

Anthrax floridana Macquart, 1850: 416(112). TYPE LOCALITY: USA (Florida) [H in BMNH*].

floridana, incorrect original spelling of *floridana* [Macquart, 1850: 470(166)].

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

gabbroensis[†]

Anthrax gabbroensis Handlirsch, 1907c: 1011. TYPE LOCALITY: Italy (Miocene) [C] [H in NMW].

DISTRIBUTION: **Palaeartic:** Italy (Miocene).

galapagensis

Anthrax lateralis Thomson, 1869: 482. TYPE LOCALITY: Galapagos Is [2S in NHRS]. [Preoccupied by Say, 1823.]

Villa galapagensis Painter & Painter, 1974: 222 (new replacement name for *Anthrax lateralis* Thomson, 1869).

DISTRIBUTION: **Neotropical:** Galapagos Is.

galathea

Anthrax galathea Osten Sacken, 1886b: 123. TYPE LOCALITY: Costa Rica [H in BMNH*].

DISTRIBUTION: **Neotropical:** Costa Rica.

gaudanica

Hemipenthes gaudanicus Paramonov, 1927d: 166. TYPE LOCALITY: Turkmenistan [H in SIZK].

DISTRIBUTION: **Palaeartic:** China (Xinjiang), Iran, Kyrgyz Republic, Mongolia, Tajikistan, Turkmenistan, Uzbekistan.

gayi

Anthrax gayi Macquart, 1840: 66 [1841: 344]. TYPE LOCALITY: Chile [L designated by Evenhuis & Greathead (1999: 647) in MNHN*].

Anthrax lemniscata Philippi, 1865: 664. TYPE LOCALITY: Chile [T (lost?) in MNNC (see Note 22)].

DISTRIBUTION: **Neotropical:** Chile.

gussakovskyi

Hemipenthes gussakovskyi Zaitzev, 1966a: 201. TYPE LOCALITY: Tajikistan [H in ZIS].

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

hamifera

Anthrax hamifera Loew, 1854: 2. TYPE LOCALITY: "Sibirien" [= Russia (ES or WS)] [1S in UMO*; 4S in ZMHB*].

DISTRIBUTION: **Palaeartic:** Armenia, Azerbaijan, Bulgaria, China (Jiangsu, Nei Mongol, Xinjiang), France, Greece, Gruzia, Iran, Italy (incl. Sicily), Kazakhstan, Kyrgyz Republic, Mongolia, Russia (ES, WS), Spain, Tajikistan, Turkey, Turkmenistan, Uzbekistan, Yugoslavia.

ignea

Anthrax ignea Macquart, 1846: 241(113). TYPE LOCALITY: “Colombie” [= Colombia, Ecuador, or Venezuela] [L designated by Painter & Painter (1974: 233) in BMNH*].
DISTRIBUTION: **Neotropical:** Colombia, Guyana, Panama.

incisiva

Anthrax incisiva Walker, 1852: 187. TYPE LOCALITY: “North America” [2S in BMNH*]. [Preoccupied by Macquart, 1847.]
Villa incisiva Painter in Painter & Painter, 1962: 112 (new replacement name for *Anthrax incisiva* Walker, 1852).
DISTRIBUTION: **Nearctic:** Mexico (Guerrero).

inops

Anthrax inops Coquillett, 1887c: 169. TYPE LOCALITY: USA (California) [H in USNM*].
DISTRIBUTION: **Nearctic:** USA (Arizona, California, Colorado, Oregon, Utah, Washington).

jaennickeana

Isoptenes jaennickeana Osten Sacken, 1886a: 97. TYPE LOCALITY: USA (California) [L designated by Painter & Painter (1962: 113) in BMNH*].
DISTRIBUTION: **Nearctic:** Mexico (Morelos, Sonora), USA (Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Texas, Utah).

jezoensis

Anthrax jezoensis Matsumura, 1916: 280. TYPE LOCALITY: Japan [H in EIHU].
DISTRIBUTION: **Oriental:** Taiwan. **Palaeartic:** Japan.

lepidota

Anthrax lepidota Osten Sacken, 1886b: 115 (key) [1887a: 130]. TYPE LOCALITY: Mexico (Sonora) [T (lost) in BMNH (see Painter & Painter, 1962: 113)].
DISTRIBUTION: **Nearctic:** Canada (Alberta), Mexico (Baja California Norte, Baja California Sur, Chihuahua, Guerrero, Puebla, San Luis Potosí, Sonora, Tamaulipas), USA (Arizona, California, Colorado, Idaho, Louisiana, Nevada).

leucocephala

Anthrax leucocephala Wulp, 1882: 81. TYPE LOCALITY: Argentina [H in ZMAN].
DISTRIBUTION: **Neotropical:** Argentina.

martinorum

Villa martinorum Painter in Painter & Painter, 1962: 91. TYPE LOCALITY: Mexico (Michoacán de Ocampo) [H in USNM*].
DISTRIBUTION: **Nearctic:** Mexico (Michoacán de Ocampo).

maura

Musca maura Linnaeus, 1758: 590. TYPE LOCALITY: “Europa” [1S in LSUK].
Musca denigrata Linnaeus, 1767: 981. TYPE LOCALITY: “Europa” [1S in LSUK].
Nemotelvs nonvs Schaeffer, 1768: pl. 76, fig. 7 [Unavailable; name proposed in a non-binominal work.]

Musca hirsuta Villers, 1789: 427. TYPE LOCALITY: "Gallia" [= France] [T in UNKN].

Anthrax daemon Panzer, 1797: 17. TYPE LOCALITY: Germany [T in UNKN].

Anthrax bifasciata Meigen, 1804: 209. TYPE LOCALITY: "Südrussland?" [L designated by Evenhuis & Greathead (1999: 645) in MNHN*].

Anthrax relata Walker, 1852: 191. TYPE LOCALITY: Not given [= Palearctic] [H in BMNH*].

Anthrax uncinus Loew, 1869b: 171. TYPE LOCALITY: "nordöstliche Russland bis nach Sibirien" [= Russia (ES)] [1S in UMO*: 4S in ZMHB*].

Hemipenthes maurus var. *flavotomentosa* Paramonov, 1927d: 160, 168. TYPE LOCALITY: Ukraine [S (lost) in SIZK].

DISTRIBUTION: **Palearctic**: Afghanistan, Armenia, Austria, Azerbaijan, Belarus, Belgium, Bosnia-Herzegovina, Bulgaria, China (Nei Monggol, Xinjiang), Croatia, Czech Republic, Denmark, Estonia, Finland, France (incl. Corsica), Germany, Greece, Gruzia, Hungary, Iran, Italy (incl. Sicily), Kazakhstan, Kyrgyz Republic, Latvia, Lithuania, Luxemburg, Moldova, Mongolia, Netherlands, Norway, Poland, Portugal, Romania, Russia (CET, ES, FE, NET, SET, WS), Slovakia, Slovenia, Spain, Sweden, Switzerland, Tajikistan, Turkey, Turkmenistan, Ukraine, Uzbekistan, Yugoslavia.

melaleuca

Anthrax melaleuca Wiedemann, 1828: 299. TYPE LOCALITY: "Montivideo in Brasilien" [= Argentina (from type specimen label data)] [H in ZMHB*].

DISTRIBUTION: **Neotropical**: Argentina, Uruguay.

melana

Hemipenthes melana Bowden, 1965: 207. TYPE LOCALITY: Nepal [H in BMNH*].
melaena, error for *melana*.

DISTRIBUTION: **Oriental**: Nepal.

mesasiatica

Hemipenthes mesasiaticus Zaitzev, 1962a: 69. TYPE LOCALITY: Uzbekistan [H in ZIS].

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

micromelas

Anthrax micromelas Bigot, 1892: 358. TYPE LOCALITY: "Chile" [error, = Argentina (see Painter & Painter, 1974: 244)] [H in BMNH*].

Villa guttilis Bigot in Painter & Painter, 1974: 244. *Nomen nudum*.

DISTRIBUTION: **Neotropical**: Argentina.

minas

Anthrax minas Macquart, 1848: 193(33). TYPE LOCALITY: Brazil (Minas Gerais) [L designated by Painter & Painter (1974: 246) in BMNH*].

DISTRIBUTION: **Neotropical**: Argentina, Brazil (Minas Gerais).

mischanensis

Hemipenthes mischanensis Paramonov, 1927d: 166. TYPE LOCALITY: Armenia [H in SIZK].

DISTRIBUTION: **Palearctic**: Armenia.

mongolica

Hemipenthes tusheticus ssp. *mongolicus* Zaitzev, 1980: 418. TYPE LOCALITY: Mongolia [H in ZIS].

DISTRIBUTION: **Palearctic:** Mongolia.

montanorum

Thyridanthrax montanorum Austen, 1936: 188. TYPE LOCALITY: China (Xizang) [H in BMNH*].

DISTRIBUTION: **Oriental:** China (Yunnan). **Palearctic:** China (Qinghai, Sichuan, Xizang).

morio

Musca morio Linnaeus, 1758: 590. TYPE LOCALITY: “Europa” [L designated by Evenhuis & Greathead (1999: 667) in LSUK*].

Nemotelvs septimvs Schaeffer, 1768: pl. 76, fig. 7. [Unavailable; name proposed in a non-binominal work.]

Musca bicolora Sulzer, 1776: xxv. *Nomen nudum*.

Anthrax semiatra Hoffmasegg in Wiedemann, 1818a: 11. *Nomen nudum*.

Anthrax semiatra Meigen, 1820: 157. TYPE LOCALITY: “In hiesiger Gegend” [= Germany] & “Russland” [4S in MNHN*; S (destroyed) in NMW (see Note 18)].

Anthrax morioides Say, 1823: 42. TYPE LOCALITY: USA (Missouri) [T (destroyed) in ANSP (see Note 25)].

DISTRIBUTION: **Nearctic:** Canada (British Columbia), USA (Arizona, California, Illinois, Indiana, Iowa, Kansas, Maine, Michigan, Missouri, Nebraska, Nevada, New Mexico, New York, North Dakota, Ohio, Oklahoma, Oregon, Pennsylvania, Washington, Wisconsin, Wyoming). **Oriental:** ?Thailand. **Palearctic:** Afghanistan, Albania, Andorra, Armenia, Austria, Azerbaijan, Belarus, Belgium, Bulgaria, China (Xinjiang), Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France (incl. Corsica), Greece (incl. Corfu, Skiathos), Gruzia, Hungary, Iran, Italy (incl. Sicily), Kazakhstan, Kyrgyz Republic, Latvia, Lithuania, Macedonia, Moldova, Morocco, Netherlands, Poland, Romania, Russia (CET, ES, NET, SET, WS), Slovakia, Slovenia, Spain (incl. Mallorca), Sweden, Switzerland, Tajikistan, Turkey, Turkmenistan, Ukraine, Uzbekistan, Yugoslavia.

nitidofasciata

Anthrax nitidofasciatus Portschinsky, 1892: 208. TYPE LOCALITY: “Asia media” [probably = Russia] [H in ZIS].

DISTRIBUTION: **Palearctic:** Kyrgyz Republic, Russia, Tajikistan.

noscibilis

Thyridanthrax noscibilis Austen, 1936: 191. TYPE LOCALITY: China (Xizang) [4S in BMNH*].

DISTRIBUTION: **Palearctic:** China (Xizang).

nudiuscula

Anthrax nudiuscula Thomson, 1869: 482. TYPE LOCALITY: Panama [T in NHRS].

DISTRIBUTION: **Neotropical:** Panama.

pamirensis

Hemipenthes pamirensis Zaitzev, 1962a: 71. TYPE LOCALITY: Tajikistan [H in ZIS].

DISTRIBUTION: **Palearctic:** Mongolia, Tajikistan, Turkmenistan, Uzbekistan.

panfilovi

Hemipenthes panfilovi Zaitzev, 1981b: 125. TYPE LOCALITY: Russia (FE) [H in ZIS].

DISTRIBUTION: **Palearctic:** Russia (FE).

pauper

Villa pauper Becker, 1916: 49. TYPE LOCALITY: Algeria [H in ZMHB*].

Thyridanthrax triradiatus Bezzi in Rigato, 1995: 222. *Nomen nudum*.

DISTRIBUTION: **Palaeartic**: Algeria, Egypt.

pima

Villa pima Painter in Painter & Painter, 1962: 92. TYPE LOCALITY: USA (Arizona) [H in USNM*].

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

pleuralis

Anthrax pleuralis Williston, 1901: 282. TYPE LOCALITY: Mexico (Guerrero) [H in BMNH*].

DISTRIBUTION: **Nearctic**: Mexico (Colima, Guerrero, Morelos, Nayarit, Puebla).

Neotropical: Mexico (Chiapas).

praecisa

Anthrax praecisus Loew, 1869b: 174. TYPE LOCALITY: "Sibirien" [= Russia (FE) (from type specimen label data)] [2S in ZMHB*].

DISTRIBUTION: **Palaeartic**: China (Beijing, Hebei, Nei Monggol), Israel, Kyrgyz Republic, Mongolia, Russia (ES, FE, WS), Tajikistan, Turkmenistan, Uzbekistan.

provincialis[†]

Anthrax provincialis Handlirsch, 1907c: 1011. TYPE LOCALITY: France (Oligocene) [C] [H in NMW].

DISTRIBUTION: **Palaeartic**: France (Oligocene).

pullata

Anthrax pullata Coquillett, 1894a: 98. TYPE LOCALITY: USA (California) [H in USNM*].

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

referens

Anthrax referens Walker, 1852: 189. TYPE LOCALITY: "East India" [= India] [2S in BMNH*].

Anthrax himalayensis Brunetti, 1909b: 222. TYPE LOCALITY: India (Himachal Pradesh & Uttar Pradesh) [1S in BMNH*; 8S in NZSI].

Anthrax bidens Bigot in Brunetti, 1909a: 223. [Unavailable; name proposed in synonymy with *Anthrax himalayensis* Brunetti and not made available before 1961.]

DISTRIBUTION: **Oriental**: India (Assam, Himachal Pradesh, Meghalaya, Uttar Pradesh), Myanmar, Pakistan.

robusta

Hemipenthes robustus Zaitzev, 1966a: 175. TYPE LOCALITY: Armenia [H in ZIS].

DISTRIBUTION: **Palaeartic**: Armenia, Azerbaijan, China (Beijing, Shaanxi), Georgia, Kazakhstan, Kyrgyz Republic, Tajikistan, Turkmenistan, Uzbekistan.

ruficollis

Anthrax ruficollis Bigot, 1892: 355. TYPE LOCALITY: Venezuela [H in BMNH*].

DISTRIBUTION: **Neotropical**: Argentina, Venezuela.

sagata

Anthrax sagata Loew, 1869c: 21 [1872c: 135]. TYPE LOCALITY: Mexico (Tamaulipas) [L designated by Evenhuis (1982b: 16) in MCZ*].

Anthrax orbitalis Williston, 1901: 282. TYPE LOCALITY: Mexico (Guerrero) [L designated by Painter & Painter (1962: 120) in BMNH*].

DISTRIBUTION: **Nearctic**: Mexico (Guerrero, Morelos, Puebla, Sinaloa, Tamaulipas), USA (Arizona, Mississippi, Missouri, Texas). **Neotropical**: Costa Rica, Honduras, Panama.

scylla

Anthrax scylla Osten Sacken, 1887a: 132. TYPE LOCALITY: Mexico (Sonora) [L designated by Painter & Painter (1962: 123) in BMNH*].

Argyramoeba succincta Coquillett, 1894a: 96. TYPE LOCALITY: USA (Arizona) [H in USNM*].

DISTRIBUTION: **Nearctic**: Mexico (Guanajuato, Sonora), USA (Arizona, Texas). **Neotropical**: Venezuela.

semifucata

Villa semifucata Hall, 1976a: 257. TYPE LOCALITY: USA (Arizona) [H in MEUC*].

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

seminigra

Hemipenthes seminigra Loew, 1869c: 27 [1872c: 141]. TYPE LOCALITY: Canada (Saskatchewan) [H in MCZ*].

DISTRIBUTION: **Nearctic**: Canada (Saskatchewan), USA (Utah).

sinuosa

Anthrax sinuosa Wiedemann, 1821b: 244. TYPE LOCALITY: “Georgia americana” [= USA (Georgia)] [H in NMW].

Anthrax nycthemera Macquart, 1840: 67 [1841: 345]. TYPE LOCALITY: USA (Georgia) [H in MNHN*]. [Preoccupied by Wiedemann, 1820.]

Anthrax concisa Macquart, 1840: 68 [1841: 346]. TYPE LOCALITY: USA (“Caroline”) [H in MNHN*].

Anthrax assimilis Macquart, 1846: 242(114). TYPE LOCALITY: USA (Texas) [T in UNKN (originally in Pilate Collection)].

DISTRIBUTION: **Nearctic**: USA (Alabama, Arizona, Arkansas, Connecticut, Delaware, Georgia, Illinois, Indiana, Iowa, Kansas, Kentucky, Louisiana, Maryland, Massachusetts, Minnesota, Mississippi, Missouri, Nebraska, New Jersey, New York, North Carolina, Ohio, Oklahoma, Pennsylvania, Rhode Island, South Carolina, South Dakota, Tennessee, Texas, Vermont, Virginia, West Virginia, Wisconsin).

splendida

Hemipenthes splendidus Zaitzev, 1962a: 66. TYPE LOCALITY: Kyrgyz Republic [H in ZIS].

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

subarcuata

Anthrax subarcuata Loew, 1871: 208 [1872b: 56]. TYPE LOCALITY: Tajikistan [H in ZMHB*].

DISTRIBUTION: **Palaeartic**: Tajikistan, Tunisia.

subvelutina

Hemipenthes subvelutinus Zaitzev, 1966a: 187. TYPE LOCALITY: Gruzia [H in ZIS].

DISTRIBUTION: **Palaeartic:** Armenia, Azerbaijan, China (Shandong), Gruzia, Iran, Mongolia, Kazakhstan, Kyrgyz Republic, Tajikistan, Turkey, Turkmenistan, Uzbekistan.

tarapacensis

Villa tarapacensis Hall, 1976a: 258. TYPE LOCALITY: Chile [H in MEUC*].

DISTRIBUTION: **Neotropical:** Chile.

tenuirostris

Anthrax tenuirostris Macquart, 1850: 416(112). TYPE LOCALITY: “Amérique méridionale” [= South America] [H in BMNH*].

Villa porteri Oldroyd, 1938: 85. TYPE LOCALITY: Chile [H in BMNH*].

DISTRIBUTION: **Neotropical:** Chile, Peru.

tertiaria[†]

Anthrax terciaria Handlirsch, 1907c: 1011. TYPE LOCALITY: Germany (Oligocene) [C] [H in NMW].

DISTRIBUTION: **Palaeartic:** Germany (Oligocene).

tushetica

Hemipenthes tusheticus Zaitzev, 1966a: 195. TYPE LOCALITY: Gruzia [H in ZIS].

DISTRIBUTION: **Palaeartic:** Armenia, Azerbaijan, China (Nei Monggol, Qinghai, Xinjiang), Gruzia, Iran.

velutina

Anthrax bicincta Wiedemann, 1818a: 12. *Nomen nudum*.

Nemotelus melanio Pallas in Wiedemann, 1818a: 12. *Nomen nudum*.

Anthrax bicincta Wiedemann in Meigen, 1820: 155. TYPE LOCALITY: “Dalmatien” [= Croatia] & “Oesterreich” & “südlichen Russland” [= Russia (SET)] [S in UNKN (originally in Germar Collection); S (destroyed) in NMW (see Note 18)].

Anthrax velutina Meigen, 1820: 160. TYPE LOCALITY: “Italien” & France [2S in MNHN*].

Anthrax nycthemera Wiedemann in Meigen, 1820: 160. TYPE LOCALITY: “Rheine” [probably = Germany] [T (lost) in ZMHB].

volutina, error for *velutina*.

DISTRIBUTION: **Oriental:** Pakistan. **Palaeartic:** Albania, Algeria, Armenia, Austria, Azerbaijan, Belgium, Bosnia-Herzegovina, Bulgaria, China (Jiangsu, Nei Monggol, Qinghai, Xinjiang), Croatia, Cyprus, Czech Republic, Egypt, France (incl. Corsica), Germany, Greece (incl. Corfu, Lesbos, Zakynthos), Gruzia, Hungary, Iran, Israel (incl. West Bank), Italy (incl. Sardinia, Sicily), Lebanon, Macedonia, Moldova, Mongolia, Morocco, Poland, Portugal, Romania, Russia (SET), Slovakia, Slovenia, Spain (incl. Mallorca), Switzerland, Syria, Tunisia, Turkey, Turkmenistan, Ukraine, Yugoslavia.

villeneuvei

Hemipenthes villeneuvei François, 1970c: 203. TYPE LOCALITY: France [H in KBIN*].

DISTRIBUTION: **Palaeartic:** France, Greece, Italy.

vockerothi

Hemipenthes vockerothi François, 1969c: 150. TYPE LOCALITY: Spain [H in CNC*].

DISTRIBUTION: **Palaeartic:** Spain.

webberi

Villa webberi Johnson, 1919a: 11. TYPE LOCALITY: USA (Massachusetts) [H in MCZ*].
DISTRIBUTION: **Nearctic**: Canada (Ontario, Quebec), USA (Connecticut, Kentucky, Massachusetts, Vermont, Wyoming).

wilcoxi

Villa wilcoxi Painter, 1933a: 15. TYPE LOCALITY: USA (Washington) [H in USNM*].
DISTRIBUTION: **Nearctic**: USA (California, Washington).

yaqui

Villa yaqui Painter in Painter & Painter, 1962: 94. TYPE LOCALITY: USA (Arizona) [H in USNM*].
DISTRIBUTION: **Nearctic**: Mexico (Sonora), USA (Arizona).

Genus LAMINANTHRAX Greathead

LAMINANTHRAX Greathead, 1967: 251. Type species: *Laminanthrax albus* Greathead, 1967 [= *Thyridanthrax chionophorus* Bezzi, 1925], by original designation.

chionophorus

Thyridanthrax chionophorus Bezzi, 1925: 231. TYPE LOCALITY: Egypt [S (destroyed) in ESEC (see Note 4); 4S in MSNM; 1S in DEI*].

Laminanthrax albus Greathead, 1967: 252. TYPE LOCALITY: Yemen [H in BMNH*].
DISTRIBUTION: **Afrotropical**: Eritrea, Ethiopia, Yemen. **Palaeartic**: Egypt.

olgae

Laminanthrax olgae Zaitzev, 1999: 895. TYPE LOCALITY: Israel [H in ZIS].
DISTRIBUTION: **Palaeartic**: Israel.

Genus LEPIDANTHRAX Osten Sacken

LEPIDANTHRAX Osten Sacken, 1886a: 76 [1886b: 107]. Type species: *Anthrax disjuncta* Wiedemann, 1830 (as “*disjunctus*”), by subsequent designation (Coquillett, 1910b: 559).

PODOLEPIDA Hull, 1973: 386 (as subgenus of *Lepidanthrax* Osten Sacken). Type species: *Lepidanthrax lutzi* Curran, 1930, by original designation.

actios

Lepidanthrax actios Hall, 1976b: 344. TYPE LOCALITY: USA (California) [H in CAS*].
DISTRIBUTION: **Nearctic**: USA (California).

agrestis

Anthrax agrestis Coquillett, 1887c: 171. TYPE LOCALITY: USA (California) [1S in BYU; 1S in USNM*].
DISTRIBUTION: **Nearctic**: USA (California, Idaho, Nevada, Utah).

albifrons

Lepidanthrax albifrons Roberts, 1928a: 131. TYPE LOCALITY: Australia (SA) [H in SAMA*].
DISTRIBUTION: **Australasian/Oceanian**: Australia (SA).

angulus

2. See Note 32 concerning correct original orthography of this species.

Lepidanthrax angulus Osten Sacken, 1886b: 111. TYPE LOCALITY: Mexico (Sonora) [L designated by Painter & Painter (1962: 127) in BMNH*].

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

arizonensis

Lepidanthrax arizonensis Hall, 1976b: 369. TYPE LOCALITY: USA (Arizona) [H in USNM*].

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

arnaudi

Lepidanthrax arnaudi Hall, 1976b: 330. TYPE LOCALITY: USA (California) [H in CAS*].

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

borius

Lepidanthrax borius Hall, 1976b: 353. TYPE LOCALITY: USA (California) [H in CAS*].

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

californicus

Lepidanthrax californicus Hall, 1976b: 308. TYPE LOCALITY: USA (California) [H in CAS*].

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

calyptus

Lepidanthrax calyptus Hall, 1976b: 347. TYPE LOCALITY: USA (California) [H in CAS*].

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

campestris

Anthrax campestris Coquillett, 1887c: 161, 171. TYPE LOCALITY: USA (California) [3S in USNM*].

Epacmus rufolimbatus Bigot, 1892: 359. TYPE LOCALITY: USA (California) [H in BMNH*].

campestris, incorrect original spelling of *campestris* (Coquillett, 1887c: 171).

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

capnopennis

Lepidanthrax capnopennis Hall, 1976b: 324. TYPE LOCALITY: Mexico (Puebla) [H in CAS*].

DISTRIBUTION: **Nearctic:** Mexico (Puebla).

chalcus

Lepidanthrax chalcus Hall, 1976b: 346. TYPE LOCALITY: USA (California) [H in CAS*].

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

choristus

Lepidanthrax choristus Hall, 1976b: 319. TYPE LOCALITY: Mexico (Sonora) [H in CAS*].

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

chrysus

Lepidanthrax chrysus Hall, 1976b: 333. TYPE LOCALITY: Mexico (Sonora) [H in CAS*].

DISTRIBUTION: **Nearctic:** Mexico (Baja California Norte, Sonora).

coquilletti

Anthrax inaurata Coquillett, 1887c: 170. TYPE LOCALITY: “Washington Territory” [= USA (Idaho or Washington)] & USA (California) [10S in USNM*; 4S in BYU; 2S in INHS; 2S in MSNM]. [Preoccupied by Klug, 1832.]

Lepidanthrax coquilletti Evenhuis & Greathead, 1999: 453 (new replacement name for *Anthrax inaurata* Coquillett, 1887).

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

diaeretus

Lepidanthrax diaeretus Hall, 1976b: 299. TYPE LOCALITY: USA (California) [H in CAS*].

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

diamphus

Lepidanthrax diamphus Hall, 1976b: 317. TYPE LOCALITY: USA (Arizona) [H in USNM*].

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

disiunctus²

Anthrax disiuncta Wiedemann, 1830: 639. TYPE LOCALITY: “Mexiko” [probably = Mexico (Oaxaca)] [2S in ZMHB*; 1S in NMW].

Lepidanthrax disjunctus Painter & Painter, 1965: 440 (unjustified emendation of *Anthrax disiuncta* Wiedemann, 1830).

DISTRIBUTION: **Nearctic:** Mexico (Distrito Federal, Guerrero, Veracruz-Llave), USA (Arizona). **Neotropical:** Mexico (Oaxaca).

ellipus

Lepidanthrax ellipus Hall, 1976b: 345. TYPE LOCALITY: USA (California) [H in CAS*].

DISTRIBUTION: **Nearctic:** Mexico (Baja California Norte), USA (California).

eremicus

Lepidanthrax eremicus Hall, 1976b: 368. TYPE LOCALITY: USA (California) [H in CAS*].

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

euthemus

Lepidanthrax euthemus Hall, 1976b: 295. TYPE LOCALITY: USA (California) [H in CAS*].

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

exallus

Lepidanthrax exallus Hall, 1976b: 325. TYPE LOCALITY: USA (California) [H in CAS*].

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

fuscipennis

Lepidanthrax fuscipennis Hall, 1976b: 304. TYPE LOCALITY: Mexico (Oaxaca) [H in USNM*].

DISTRIBUTION: **Nearctic:** Mexico (Jalisco). **Neotropical:** Mexico (Oaxaca).

hesperus

Lepidanthrax hesperus Hall, 1976b: 351. TYPE LOCALITY: USA (Arizona) [H in USNM*].

DISTRIBUTION: **Nearctic:** Mexico (Baja California Norte, Sinaloa, Sonora), USA (Arizona, California, New Mexico, Texas).

homologus

Lepidanthrax homologus Hall, 1976b: 362. TYPE LOCALITY: USA (California) [H in CAS*].

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

hyalinipennis

Lepidanthrax hyalinipennis Cole, 1923: 307. TYPE LOCALITY: Mexico (Baja California Sur) [H in CAS*].

DISTRIBUTION: **Nearctic:** Mexico (Baja California Norte, Baja California Sur, Sonora, Tiburón I), USA (Arizona, California, Nevada).

hypomelus

Lepidanthrax hypomelus Hall, 1976b: 298. TYPE LOCALITY: USA (California) [H in CAS*].

hypomelas, error for *hypomelus*.

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

hyposcelus

Lepidanthrax hyposcelus Hall, 1976b: 315. TYPE LOCALITY: Mexico (Morelos) [H in USNM*].

DISTRIBUTION: **Nearctic:** Mexico (Guerrero, Morelos, Puebla).

indecisus

Lepidanthrax indecisus Curran, 1930a: 4. TYPE LOCALITY: Mexico (Guerrero) [H (lost?) in AMNH].

DISTRIBUTION: **Nearctic:** Mexico (Guanajuato, Guerrero, Hidalgo, Michoacán de Ocampo, Morelos).

lautus

Anthrax lauta Coquillett, 1887c: 171. TYPE LOCALITY: USA (California) [H in USNM*].

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

leucocephalus

Lepidanthrax leucocephalus Hall, 1976b: 336. TYPE LOCALITY: USA (California) [H in CAS*].

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

linguatus

Lepidanthrax linguata Roberts, 1928a: 130. TYPE LOCALITY: Australia (Queensland) [H in QM].

DISTRIBUTION: **Australasian/Oceanian:** Australia (Queensland).

linsdalei

Lepidanthrax linsdalei Hall, 1976b: 367. TYPE LOCALITY: USA (California) [H in CAS*].

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

litus

Lepidanthrax litus Hall, 1976b: 325. TYPE LOCALITY: Mexico (Guerrero) [H in USNM*].

DISTRIBUTION: **Nearctic:** Mexico (Guerrero, Morelos).

lutzi

Lepidanthrax lutzi Curran, 1930a: 2. TYPE LOCALITY: USA (Arizona) [H in AMNH*].

Lepidanthrax morna Curran, 1930a: 3. TYPE LOCALITY: USA (Arizona) [H in AMNH*].

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

meristus

Lepidanthrax meristus Hall, 1976b: 354. TYPE LOCALITY: USA (California) [H in CAS*].

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

mimus

Lepidanthrax mimus Hall, 1976b: 343. TYPE LOCALITY: USA (California) [H in CAS*].

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

morphnus

Lepidanthrax morphnus Hall, 1976b: 314. TYPE LOCALITY: USA (Arizona) [H in USNM*].

DISTRIBUTION: **Nearctic:** Mexico (Guanajuato, Morelos, San Luis Potosí, Sonora), USA (Arizona).

oribates

Lepidanthrax oribates Hall, 1976b: 334. TYPE LOCALITY: USA (California) [H in CAS*].

DISTRIBUTION: **Nearctic:** USA (California, Colorado, Idaho, Nevada, Oregon, Utah, Washington).

painterorum

Lepidanthrax painterorum Hall, 1976b: 311. TYPE LOCALITY: Mexico (Nuevo León) [H in USNM*].

DISTRIBUTION: **Nearctic:** Mexico (Nuevo León, San Luis Potosí).

panamensis

Lepidanthrax panamensis Curran, 1930a: 5. TYPE LOCALITY: Panama [H in AMNH*].

DISTRIBUTION: **Neotropical:** Costa Rica, El Salvador, Panama.

periphanus

Lepidanthrax periphanus Hall, 1976b: 327. TYPE LOCALITY: Mexico (Guerrero) [H in USNM*].

DISTRIBUTION: **Nearctic:** Mexico (Guerrero).

peristigus

Lepidanthrax peristigus Hall, 1976b: 337. TYPE LOCALITY: Mexico (Morelos) [H in USNM*].

DISTRIBUTION: **Nearctic:** Mexico (Guerrero, Morelos, Sinaloa).

photinus

Lepidanthrax photinus Hall, 1976b: 355. TYPE LOCALITY: Mexico (Puebla) [H in USNM*].

DISTRIBUTION: **Nearctic:** Mexico (Guerrero, Morelos, Puebla).

proboscideus

Anthrax proboscideus Loew, 1869c: 17 [1872c: 131]. TYPE LOCALITY: Mexico (Sonora) [H in MCZ*].

DISTRIBUTION: **Nearctic:** Mexico (Baja California Norte, Baja California Sur, Durango, Guerrero, Morelos, Sonora), USA (Arizona, California, Nevada, New Mexico, Utah). **Neotropical:** El Salvador.

rauchi

Lepidanthrax rauchi Hall, 1976b: 305. TYPE LOCALITY: Mexico (Sinaloa) [H in CAS*].

DISTRIBUTION: **Nearctic:** Mexico (Durango, Guanajuato, Hidalgo, Sinaloa, Veracruz-Llave), USA (Arizona).

salvadorensis

Lepidanthrax salvadorensis Hall, 1976b: 322. TYPE LOCALITY: El Salvador [H in CAS].

DISTRIBUTION: **Neotropical:** El Salvador.

sonorensis

Lepidanthrax sonorensis Hall, 1976b: 321. TYPE LOCALITY: Mexico (Sonora) [H in USNM*].

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

stichus

Lepidanthrax stichus Hall, 1976b: 304. TYPE LOCALITY: USA (Arizona) [H in CAS*].

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

symmachus

Lepidanthrax symmachus Hall, 1976b: 297. TYPE LOCALITY: USA (California) [H in CAS*].

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

tinctus

Anthrax tincta Thomson, 1869: 483. TYPE LOCALITY: Galapagos Is [4S in NHRS; 1S in ZMHB*].

Anthrax brachialis Thomson, 1869: 484. TYPE LOCALITY: Galapagos Is [H in NHRS].

Anthrax quinquepunctata Thomson, 1869: 484 (as “*quinque-punctata*”). TYPE LOCALITY: Panama [T in NHRS].

DISTRIBUTION: **Neotropical:** Galapagos Is, Panama, ?Peru.

utahensis

Lepidanthrax utahensis Hall, 1976b: 331. TYPE LOCALITY: USA (Utah) [H in USNM*].

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

Genus **MANCIA** Coquillett

MANCIA Coquillett, 1886b: 159. Type species: *Mancia nana* Coquillett, 1886, by monotypy.

nana

Mancia nana Coquillett, 1886b: 159. TYPE LOCALITY: USA (California) [L designated by Evenhuis & Greathead (1999: 666) in USNM*].

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

Genus **MARLEYIMYIA** Hesse

MARLEYIMYIA Hesse, 1956b: 521, Type species: *Marleyimyia natalensis* Hesse, 1956, by original designation.

goliath

Oestranthrax goliath Oldroyd, 1951: 49. TYPE LOCALITY: Malaysia (Peninsular) [H in BMNH*].

DISTRIBUTION: **Oriental**: Malaysia (Peninsular).

natalensis

Marleyimyia natalensis Hesse, 1956b: 522. TYPE LOCALITY: South Africa (KwaZulu-Natal) [H in SAMC*].

DISTRIBUTION: **Afrotropical**: South Africa (KwaZulu-Natal).

Genus **NEODIPLOCAMPTA** Curran

NEODIPLOCAMPTA Curran, 1934b: 193, 200. Type species: *Diplocampta roederi* Curran, 1931, by original designation.

Subgenus **AGITONIA** Hull

AGITONIA Hull, 1966: 225. Type species: *Neodiplocampta sepia* Hull, 1966, by original designation.

sepia

Neodiplocampta sepia Hull, 1966: 225. TYPE LOCALITY: Brazil (Santa Catarina) [H in CNC*].

DISTRIBUTION: **Nearctic**: Mexico (Morelos). **Neotropical**: Brazil (Santa Catarina).

Subgenus **NEODIPLOCAMPTA** Curran**astrella**

Neodiplocampta astrella Hull & Martin, 1974: 342. TYPE LOCALITY: USA (Arizona) [H in USNM*].

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

brasiliانا

Neodiplocampta brasiliانا Hull & Martin, 1974: 331. TYPE LOCALITY: Brazil (Goias) [H in LACM*].

DISTRIBUTION: **Neotropical:** Brazil (Goiás), Venezuela.

caliginosa

Neodiplocampta caliginosa Tabet & Hall, 1987: 154. TYPE LOCALITY: USA (California) [H in CAS*].

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

decemmacula

Anthrax decemmacula Walker, 1857: 139. TYPE LOCALITY: “Valley of the Amazon” [= Brazil (Amazonas or Pará)] [1S in BMNH*; 1S in MVMA].

DISTRIBUTION: **Neotropical:** Brazil (Amazonas or Pará).

garaguaya

Neodiplocampta garaguaya Hull & Martin, 1974: 333. TYPE LOCALITY: Brazil (Goiás, Matto Grosso, or Pará) [H in CNC*].

DISTRIBUTION: **Neotropical:** Brazil (Goiás, Matto Grosso, or Pará).

krombeini

Neodiplocampta krombeini Hull & Martin, 1974: 329. TYPE LOCALITY: Mexico (Veracruz-Llave) [H in USNM*].

DISTRIBUTION: **Nearctic:** Mexico (Veracruz-Llave). **Neotropical:** Guatemala.

laurella

Neodiplocampta laurella Hull & Martin, 1974: 344. TYPE LOCALITY: Brazil (Santa Catarina) [H in CNC*].

DISTRIBUTION: **Neotropical:** Brazil (Santa Catarina).

mira

Anthrax mira Coquillett, 1887c: 179. TYPE LOCALITY: USA (California) [L designated by Evenhuis & Greathead (1999: 649) in USNM*].

DISTRIBUTION: **Nearctic:** Mexico (Baja California Norte, Baja California Sur, Durango, Guerrero, San Luis Potosí, Sinaloa, Sonora), USA (Arizona, California, Colorado, Florida, Nevada, New Mexico, Oklahoma, Texas, Utah).

miranda

Neodiplocampta miranda Hull & Martin, 1974: 335. TYPE LOCALITY: USA (Florida) [H in CNC*].

DISTRIBUTION: **Nearctic:** Mexico (Guerrero, San Luis Potosí, Sinaloa, Sonora), USA (Arizona, California, Florida, Texas). **Neotropical:** Nicaragua.

mirella

Neodiplocampta mirella Hull & Martin, 1974: 337. TYPE LOCALITY: USA (California) [H in CNC*].

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

painteri

Neodiplocampta painteri Hull & Martin, 1974: 343. TYPE LOCALITY: Jamaica [H in USNM*].

DISTRIBUTION: **Neotropical:** Jamaica.

paradoxa

Anthrax paradoxa Jaenicke, 1867b: 339 [1868: 31]. TYPE LOCALITY: “Mejico” [T (lost) in HLMD; N designated by Hull & Martin (1974: 232) invalid (see Appendix 1)].

Neodiplocampta paradoxa ssp. *azteca* Hull & Martin, 1974: 324. TYPE LOCALITY: Guatemala [L designated by Evenhuis & Greathead (1999: 667) in USNM*].

Neodiplocampta paradoxa ssp. *ixta* Hull & Martin, 1974: 324. TYPE LOCALITY: Honduras [L designated by Evenhuis & Greathead (1999: 667) in USNM*].

DISTRIBUTION: **Nearctic**: Mexico (Guerrero). **Neotropical**: Costa Rica, Guatemala, Honduras, Panama.

parva

Exoprosopa parva Loew, 1869c: 17 [1872c: 131]. TYPE LOCALITY: Cuba [L designated by Evenhuis (1982b: 15) in MCZ*].

DISTRIBUTION: **Neotropical**: Bahamas, Cuba, Jamaica.

roederi

Diplocampta roederi Curran, 1931: 8. TYPE LOCALITY: Puerto Rico [H in AMNH*].

DISTRIBUTION: **Neotropical**: British Virgin Is, Puerto Rico, U.S. Virgin Is.

spiloptera

Anthrax spiloptera Wiedemann, 1828: 316. TYPE LOCALITY: “Brasilien” [= Brazil (from type specimen label data)] [H in ZMHB*].

DISTRIBUTION: **Neotropical**: Brazil (Goiás).

Genus **OESTRANTHRAX** Bezzi

OESTRANTHRAX Bezzi, 1921a: 130, 172 [1923b: 326]. Type species: *Anthrax obesa* Loew, 1863, by original designation.

alfierii

Oestranthrax obesus ssp. *alfierii* Paramonov, 1931b: 101(101). TYPE LOCALITY: Egypt [H (destroyed) in PPDD (see Note 4)].

DISTRIBUTION: **Palaeartic**: Egypt.

arabicus

Oestranthrax arabicus Paramonov, 1931b: 95(95). TYPE LOCALITY: Yemen [H (destroyed) in ZMUH (see Note 6)].

DISTRIBUTION: **Afrotropical**: Yemen.

brunnescens

Anthrax brunnescens Loew, 1857b: 81. TYPE LOCALITY: “Syrien” [= Lebanon or Syria] [H in ZMHB*].

DISTRIBUTION: **Palaeartic**: Egypt, Israel, Kyrgyz Republic, Syria, Tajikistan, Turkmenistan, Uzbekistan.

disparilis

Oestranthrax disparilis Hesse, 1956b: 515. TYPE LOCALITY: “eastern part or north-eastern parts of the Union” [probably = South Africa (Northern Province, Mpumalanga, or KwaZulu-Natal)] [H in SAMC].

DISTRIBUTION: **Afrotropical**: South Africa (KwaZulu-Natal).

farinosus

Oestranthrax farinosus Johnson & Maughan, 1953: 18. TYPE LOCALITY: USA (Utah) [H in BYU].

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

karavajevi

Oestranthrax karavajevi Paramonov, 1931b: 99(99). TYPE LOCALITY: "Dagestan" [= Russia (SET)] [H in SIZK].

DISTRIBUTION: **Palaeartic**: Armenia, Azerbaijan, Gruzia, Kyrgyz Republic, Moldova, Russia (SET), Ukraine.

melanothrix

Oestranthrax melanothrix Miksch, 1991: 1. TYPE LOCALITY: Greece [H in SMNS].

DISTRIBUTION: **Palaeartic**: Greece.

myrmecaeluri

Oestranthrax myrmecaeluri Miksch, 1993: 1. TYPE LOCALITY: Greece [H in SMNS].

DISTRIBUTION: **Palaeartic**: Greece.

nartshukae

Oestranthrax nartshukae Zaitzev, 1976b: 497. TYPE LOCALITY: Mongolia [H in ZIS].

DISTRIBUTION: **Palaeartic**: Mongolia.

obesus

Anthrax obesa Loew, 1863a: 14. TYPE LOCALITY: South Africa (Free State) [H in UNKN (sold at auction)].

DISTRIBUTION: **Afrotropical**: Namibia, South Africa (Free State), ?Zambia, Zimbabwe.

pallifrons

Oestranthrax pallifrons Bezzi, 1926b: 83. TYPE LOCALITY: Libya [S (destroyed) in ESEC (see Note 4); 1S in MSNM].

DISTRIBUTION: **Palaeartic**: Libya, Spain.

pix

Oestranthrax pix Speiser, 1924: 97. TYPE LOCALITY: Tanzania [T (destroyed) in PSPC (see Evenhuis, 1997: 741–42)].

DISTRIBUTION: **Afrotropical**: Tanzania.

rubriventris

Oestranthrax rubriventris Paramonov, 1934c: 6. TYPE LOCALITY: Turkmenistan [L designated by Zaitzev & Kandybina (1983: 35) in SIZK].

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

speiserianus

Oestranthrax speiserianus Bezzi, 1923b: 327 [1924a: 191 (key only)]. TYPE LOCALITY: Kenya [H in MNHN*].

DISTRIBUTION: **Afrotropical**: Kenya.

zimini

Oestranthrax zimini Paramonov, 1933b: 5. *Nomen nudum*.

Oestranthrax zimini Paramonov, 1934c: 5. TYPE LOCALITY: Kyrgyz Republic [L designated by Zaitzev & Kandybina (1983: 41) in ZIS].

DISTRIBUTION: **Palaeartic**: China (Nei Monggol), Kyrgyz Republic, Mongolia, Tajikistan, Turkmenistan, Uzbekistan.

Genus **OESTRIMYZA** Hull

OESTRIMYZA Hull, 1973: 411. Type species: *Oestrimyza fenestrata* Hull, 1973, by

original designation.

fenestrata

Oestrimyza fenestrata Hull, 1973: 411. TYPE LOCALITY: Not given [= Brazil (Santa Catarina) (from type specimen label data)] [H in USNM*].

DISTRIBUTION: **Neotropical**: Brazil (Santa Catarina).

Genus **PACHYANTHRAX** François

PACHYANTHRAX François, 1964c: 929. Type species: *Pachyanthrax villiersi* François, 1964, by original designation.

albosegmentatus

Thyridanthrax albosegmentatus Engel, 1936d: 528. TYPE LOCALITY: Egypt [H (destroyed) in ESEC (see Note 4)].

DISTRIBUTION: **Palaeartic**: Egypt, Saudi Arabia.

circe

Anthrax circe Klug, 1832: pl. 30, fig. 12. TYPE LOCALITY: “Aegyptus superior” [= Egypt] [2S in ZMHB*].

DISTRIBUTION: **Ortial**: Pakistan. **Palaeartic**: Egypt, Saudi Arabia, United Arab Emirates.

cunamae

Thyridanthrax cunamae Greathead, 1967: 261. TYPE LOCALITY: Eritrea [H in BMNH*].

DISTRIBUTION: **Afrotropical**: Eritrea, Kenya.

fulvifacies

Thyridanthrax fulvifacies Austen, 1937: 153. TYPE LOCALITY: Israel [H in BMNH*].

DISTRIBUTION: **Palaeartic**: Israel (incl. West Bank).

laconae

Pachyanthrax laconae Greathead, 1981: 320. TYPE LOCALITY: Greece [H in BMNH*].

Thyridanthrax kolokotronis Dils & Weyer, 1997: 25. TYPE LOCALITY: Greece [H in JDPC].

DISTRIBUTION: **Palaeartic**: Greece, Italy.

lutulentus

Thyridanthrax lutulentus Bezzi, 1921b: 474. TYPE LOCALITY: “S.W. Protectorate” [= Namibia] [H in SAMC].

DISTRIBUTION: **Afrotropical**: Botswana, Namibia.

nimrodicus

Pachyanthrax nimrodica Zaitzev, 1999: 897. TYPE LOCALITY: Israel [H in ZIS].

DISTRIBUTION: **Palaeartic**: Israel.

nomadorum

Villa nomadorum Greathead, 1970: 107. TYPE LOCALITY: Mauritania [H in BMNH*].

DISTRIBUTION: **Afrotropical**: Mauritania, Nigeria, Yemen. **Palaeartic**: Morocco, United Arab Emirates.

telamon

Exoprosopa telamon Loew, 1869b: 218. TYPE LOCALITY: Greece (Kos) & “Smyrna” [= Turkey] [2S in ZMHB*].

Hemipenthes loevi Paramonov, 1928a: 285(107). TYPE LOCALITY: Turkmenistan &

Armenia & Israel [2S in SIZK].

Pachyanthrax loewi Zaitzev, 1989a: 154 (unjustified emendation of *Hemipenthes loevi* Paramonov, 1928).

DISTRIBUTION: **Palaeartic**: Armenia, Azerbaijan, Cyprus, France, Greece (incl. Kos), Gruzia, Iran, Israel (incl. Gaza Strip, West Bank), Italy, Kyrgyz Republic, Syria, Tajikistan, Turkey, Turkmenistan, Uzbekistan, Yugoslavia.

unctus

Anthrax unctus Loew, 1869b: 169. TYPE LOCALITY: Greece (Rhodes) & “kleinasiatische Küste” [= Greece or Turkey] [15S in ZMHB*; 1S in NMW*; 1S in UMO*].

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

velleris

Pachyanthrax velleris Greathead, 1980b: 328. TYPE LOCALITY: Saudi Arabia [H in BMNH*].

DISTRIBUTION: **Oriental**: ?India (Rajasthan). **Palaeartic**: Saudi Arabia.

vetulus

Anthrax vetula Wiedemann, 1828: 565. TYPE LOCALITY: “Nubien” [= Sudan] [H in SMFD].

DISTRIBUTION: **Afrotropical**: Eritrea, Sudan.

villiersi

Pachyanthrax villiersi François, 1964c: 933. TYPE LOCALITY: Senegal [H in MNHN*].

DISTRIBUTION: **Afrotropical**: Niger, Senegal.

Genus **PARADIPLOCAMPTA** Hall

PARADIPLOCAMPTA Hall, 1975b: 110. Type species: *Paradiplocampta tabeti* Hall, 1975, by original designation.

tabeti

Paradiplocampta tabeti Hall, 1975b: 111. TYPE LOCALITY: USA (Arizona) [H in CAS*].

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

Genus **PARANTHRAX** Bigot

PARANTHRAX Bigot, 1876a: 71 [1876b: lxvi]. Type species: *Anthrax rufiventris* Blanchard, 1852, by original designation.

calogastra

Anthrax calogastra Philippi, 1865: 672. TYPE LOCALITY: Chile [N designated by Hall (1976a: 217) in MEUC*].

DISTRIBUTION: **Neotropical**: Chile.

rufiventris

Anthrax rufiventris Blanchard, 1852: 382. TYPE LOCALITY: Chile [N designated by Hall (1976a: 219) in MEUC*].

Anthrax chilensis Philippi, 1865: 666. TYPE LOCALITY: Chile [T (lost?) in MNNC (see Note 22)].

DISTRIBUTION: **Neotropical**: Chile.

Genus **PARAVILLA** Painter

PARAVILLA Painter, 1933a: 10 (as subgenus of *Villa* Lioy). Type species: *Villa edititoides* Painter, 1933, by original designation.

acutula

Paravilla acutula Hall in Tabet, 1979: 356. [Unavailable; name proposed in an unpublished thesis.]

Paravilla acutula Hall, 1981a: 27. TYPE LOCALITY: USA (Kansas) [H in USNM*].

DISTRIBUTION: **Nearctic**: Mexico (Durango), USA (Arizona, Colorado, Idaho, Kansas, Nebraska, Texas).

albata

Paravilla albata Hall, 1981a: 30. TYPE LOCALITY: USA (California) [H in USNM*].

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

albicera

Paravilla albicera Hall in Tabet, 1979: 357. [Unavailable; name proposed in an unpublished thesis.]

Paravilla albicera Hall, 1981a: 32. TYPE LOCALITY: USA (Arizona) [H in USNM*].

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

apicola

Villa apicola Cole, 1952: 128. TYPE LOCALITY: USA (California) [H in CAS].

DISTRIBUTION: **Nearctic**: Mexico (Baja California Norte), USA (Arizona, California, Idaho, Texas).

aridula

Paravilla aridula Hall, 1981a: 38. TYPE LOCALITY: USA (California) [H in CAS*].

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

borea

Paravilla borea Hall, 1981a: 41. TYPE LOCALITY: Mexico (Chihuahua) [H in USNM*].

DISTRIBUTION: **Nearctic**: Canada (British Columbia), Mexico (Chihuahua, Durango, Guerrero, Hidalgo, Morelos, Nuevo León, San Luis Potosí, Sonora, Zacatecas), USA (Arizona, California, Colorado, New Mexico, Utah).

californica

Paravilla californica Hall, 1981a: 45. TYPE LOCALITY: USA (California) [H in USNM*].

DISTRIBUTION: **Nearctic**: Mexico (Baja California Norte, Sonora), USA (Arizona, California, Nevada).

castanea

Anthrax castanea Jaenicke, 1867b: 338 [1868: 30]. TYPE LOCALITY: “Mejico” [T (lost) in HLMD].

Anthrax hirsuta Williston, 1901: 279. TYPE LOCALITY: Mexico (Guerrero) [H in BMNH*].

DISTRIBUTION: **Nearctic**: Mexico (Distrito Federal, Guerrero, Hidalgo, Jalisco, México, Morelos, Puebla, Tlaxcala). **Neotropical**: Guatemala, Mexico (Oaxaca).

cinerea

Villa cinerea Cole, 1923: 299. TYPE LOCALITY: Mexico (Baja California Norte) [H in CAS].

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

consul

Anthrax consul Osten Sacken, 1886b: 125. TYPE LOCALITY: Guatemala [H in BMNH*].

DISTRIBUTION: **Nearctic:** (Chihuahua, Durango, Jalisco, Michoacán de Ocampo, Morelos, Nuevo León, Sonora), USA (Arizona, New Mexico). **Neotropical:** Costa Rica, Guatemala, Mexico (Oaxaca).

coquilletti

Anthrax obscura Coquillett, 1894a: 99. TYPE LOCALITY: USA (California) [H in USNM*]. [Preoccupied by Weber, 1801.]

Villa coquilletti Painter in Painter & Painter, 1965: 438 (new replacement name for *Anthrax obscura* Coquillett, 1894).

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

cunicula

Anthrax cunicula Osten Sacken, 1886b: 125. TYPE LOCALITY: Mexico (Sonora) [L designated by Painter & Painter (1962: 101) in BMNH*].

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

deserta

Paravilla deserta Hall in Tabet, 1979: 362. [Unavailable; name proposed in an unpublished thesis.]

Paravilla deserta Hall, 1981a: 61. TYPE LOCALITY: USA (Arizona) [H in USNM*].

DISTRIBUTION: **Nearctic:** Mexico (Chihuahua, Nuevo León, Sinaloa, Sonora), USA (Arizona, California, Colorado, Idaho, Montana, Nevada, Utah, Wyoming).

diagonalis

Anthrax diagonalis Loew, 1869c: 21 [1872c: 135]. TYPE LOCALITY: USA (California) [H in MCZ*].

DISTRIBUTION: **Nearctic:** Mexico (Chihuahua, Sonora), USA (Arizona, California, Kansas, New Mexico, Texas).

edititoides

Villa edititoides Painter, 1933a: 11. TYPE LOCALITY: USA (Colorado) [H in USNM*].

DISTRIBUTION: **Nearctic:** Canada (Saskatchewan), Mexico (Chihuahua, Durango, Jalisco, México, Zacatecas), USA (Arizona, Colorado, Idaho, Kansas, Montana, Nebraska, New Mexico, Oklahoma, Utah, Texas, Wyoming).

eminens

Paravilla eminens Hall, 1981a: 72. TYPE LOCALITY: Mexico (Guerrero) [H in USNM*].

DISTRIBUTION: **Nearctic:** Mexico (Guerrero, Morelos).

emulata

Villa emulata Painter in Painter & Painter, 1962: 103. TYPE LOCALITY: USA (New Mexico) [H in USNM*].

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

epheba

Anthrax epheba Osten Sacken, 1886b: 124. TYPE LOCALITY: Mexico (Puebla) [L designated by Painter & Painter (1962: 102) in BMNH*].

DISTRIBUTION: **Nearctic:** Mexico (Chihuahua, Distrito Federal, Durango, Guanajuato, Hidalgo, Jalisco, México, Morelos, Nuevo León, Puebla, Zacatecas), USA (Arizona, New Mexico). **Neotropical:** Honduras, Mexico (Oaxaca).

eurhinata

Anthrax eurhinatus Bigot, 1892: 355. TYPE LOCALITY: “Mexique” [H in BMNH*].

DISTRIBUTION: **Nearctic:** Mexico (Durango). **Neotropical:** ?Honduras.

extremitis

Anthrax extremitis Coquillett, 1902b: 138. TYPE LOCALITY: Mexico (Chihuahua) [L designated by Evenhuis & Greathead (1999: 647) in USNM*].

DISTRIBUTION: **Nearctic:** Mexico (Aguascalientes, Chihuahua, Distrito Federal, Durango, Guerrero, México, Morelos, Puebla), USA (Colorado, New Mexico). **Neotropical:** Mexico (Oaxaca).

flavipilosa

Villa flavipilosa Cole, 1923: 303. TYPE LOCALITY: Mexico (Baja California Sur) [H in CAS].

DISTRIBUTION: **Nearctic:** Mexico (Baja California Sur, Nuevo León), USA (Arizona, California, Colorado, Texas).

floridensis

Paravilla floridensis Hall, 1981a: 83. TYPE LOCALITY: USA (Florida) [H in CAS*].

DISTRIBUTION: **Nearctic:** USA (?Connecticut, Florida).

fulvicoma

Anthrax edititia var. *fulvicoma* Coquillett, 1887c: 176. TYPE LOCALITY: USA (California & Kansas) [1S in USNM*].

DISTRIBUTION: **Nearctic:** Mexico (Tamaulipas), USA (Arizona, California, Kansas, Nevada, New Mexico, Oklahoma, Oregon, Texas, Washington).

fumida

Anthrax fumida Coquillett, 1887c: 177. TYPE LOCALITY: USA (California) [L designated by Evenhuis & Greathead (1999: 647) in USNM*].

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

fumosa

Paravilla fumosa Hall, 1981a: 92. TYPE LOCALITY: USA (California) [H in USNM*].

DISTRIBUTION: **Nearctic:** USA (California, ?Wyoming).

hulli

Paravilla hulli Hall, 1981a: 95. TYPE LOCALITY: USA (Texas) [H in CNC*].

DISTRIBUTION: **Nearctic:** Canada (Alberta), Mexico (Baja California Norte, Jalisco, Zacatecas), USA (Arizona, California, Colorado, Kansas, Nebraska, Nevada, New Mexico, Texas, Utah, Wyoming).

hypoxantha

Anthrax hypoxantha Macquart, 1840: 65 [1841: 343]. TYPE LOCALITY: Chile [H in MNHN*].

Anthrax blanchardi Philippi, 1865: 665. TYPE LOCALITY: Chile [T (lost?) in MNNC (see Note 22)].

DISTRIBUTION: **Neotropical:** Chile.

imitans

Paravilla imitans Hall, 1981a: 99. TYPE LOCALITY: USA (California) [H in USNM*].
DISTRIBUTION: **Nearctic**: USA (Arizona, California).

inatra

Paravilla inatra Hall, 1981a: 102. TYPE LOCALITY: USA (Arizona) [H in USNM*].
DISTRIBUTION: **Nearctic**: Mexico (Sonora), USA (Arizona, California, New Mexico).

lacunaris

Anthrax lacunaris Coquillett, 1892c: 185. TYPE LOCALITY: USA (California) [L designated by Evenhuis & Greathead (1999: 648) in USNM*].
DISTRIBUTION: **Nearctic**: USA (California).

leucothoa

Anthrax leucothoa Wiedemann, 1830: 638. TYPE LOCALITY: "Mexiko" [= Mexico (Oaxaca) (from type specimen label data)] [6S in ZMHB*].
Anthrax diana Williston, 1901: 280. TYPE LOCALITY: Mexico (Guerrero) [1S in BMNH*]. [Preoccupied by Walker, 1849.]
Villa dianella Painter in Painter & Painter, 1962: 101 (new replacement name for *Anthrax diana* Williston, 1901).
DISTRIBUTION: **Nearctic**: Mexico (Durango, Guanajuato, Guerrero, Hidalgo, Michoacán de Ocampo). **Neotropical**: Mexico (Oaxaca).

lucida

Paravilla lucida Hall, 1981a: 111. TYPE LOCALITY: Mexico (Baja California Sur) [H in USNM*].
DISTRIBUTION: **Nearctic**: Mexico (Baja California Sur).

macneilli

Paravilla macneilli Hall, 1981a: 113. TYPE LOCALITY: USA (California) [H in CAS*].
DISTRIBUTION: **Nearctic**: USA (Arizona, California, Colorado, Wyoming).

mercedis

Anthrax mercedis Coquillett, 1887c: 166. TYPE LOCALITY: USA (California) [L designated by Evenhuis & Greathead (1999: 649) in USNM*].
DISTRIBUTION: **Nearctic**: Mexico (Sonora, Tiburon I), USA (Arizona, California, ?Colorado, New Mexico).

mexicana

Paravilla mexicana Hall, 1981a: 119. TYPE LOCALITY: Mexico (Guanajuato) [H in USNM*].
DISTRIBUTION: **Nearctic**: Mexico (Guanajuato, Guerrero, Jalisco, Michoacán de Ocampo, Morelos). **Neotropical**: Mexico (Oaxaca).

montivaga

Paravilla montivaga Hall in Tabet, 1979: 365. [Unavailable; name proposed in an unpublished thesis.]
Paravilla montivaga Hall, 1981a: 124. TYPE LOCALITY: USA (California) [H in USNM*].
DISTRIBUTION: **Nearctic**: Canada (British Columbia), Mexico (Chihuahua), USA (Arizona, California, Colorado, Idaho, Oregon, Utah, Washington, Wyoming).

nigriventris

Paravilla nigriventris Hall, 1981a: 127. TYPE LOCALITY: Mexico (Guerrero) [H in

USNM*].

DISTRIBUTION: **Nearctic:** Mexico (Colima, Guerrero, Michoacán de Ocampo, Morelos, Puebla, Sonora). **Neotropical:** Mexico (Chiapas, Oaxaca).

nigrofemorata

Paravilla nigrofemorata Hall, 1981a: 130. TYPE LOCALITY: USA (California) [H in CAS*].

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

nigronasica

Villa nigronasica Painter, 1933a: 14. TYPE LOCALITY: USA (Nebraska) [H in USNM*].

DISTRIBUTION: **Nearctic:** USA (Colorado, Kansas, Nebraska, New Mexico, Texas, Utah).

opaca

Paravilla opaca Hall, 1981a: 135. TYPE LOCALITY: Mexico (Nuevo León) [H in USNM*].

DISTRIBUTION: **Nearctic:** Mexico (Baja California Norte, Nuevo León), USA (Texas).

painterorum

Paravilla painterorum Hall, 1981a: 138. TYPE LOCALITY: Mexico (Nuevo León) [H in USNM*].

DISTRIBUTION: **Nearctic:** Mexico (Nuevo León, Zacatecas).

palliata

Anthrax palliata Loew, 1869c: 20 [1872c: 134]. TYPE LOCALITY: USA (Illinois) [H in MCZ*].

DISTRIBUTION: **Nearctic:** Mexico (Guerrero), USA (Colorado, Illinois, Kansas, Louisiana, Minnesota, Nebraska, Oklahoma, South Dakota).

pallida

Paravilla pallida Hall, 1981a: 143. TYPE LOCALITY: Mexico (Hidalgo) [H in USNM*].

DISTRIBUTION: **Nearctic:** Mexico (Chihuahua, Durango, Hidalgo, Nuevo León, Tamaulipas).

parasitica

Paravilla parasitica Hall, 1981a: 146. TYPE LOCALITY: USA (Arizona) [H in CAS*].

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

parvula

Paravilla parvula Hall, 1981a: 149. TYPE LOCALITY: USA (New Mexico) [H in USNM*].

DISTRIBUTION: **Nearctic:** Mexico (Chihuahua, Durango, Guanajuato, Hidalgo, Jalisco, México, Michoacán de Ocampo, Nuevo León, San Luis Potosí, Sonora, Zacatecas), USA (Arizona, New Mexico, New Texas, Utah).

perplexa

Anthrax perplexa Coquillett, 1887c: 176. TYPE LOCALITY: USA (California) [L designated by Evenhuis & Greathead (1999: 651) in USNM*].

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

separata

Anthrax separata Walker, 1852: 177. TYPE LOCALITY: “Bolton, North America” [= USA (Georgia, Michigan, or Ohio) [H in BMNH*].

Anthrax nemakogonensis Graenicher, 1910: 26. TYPE LOCALITY: USA (Wisconsin) [16S in MCPM].

DISTRIBUTION: **Nearctic:** Canada (Manitoba), USA (Alabama, Florida, Georgia, Iowa, Kansas, Michigan, Minnesota, Mississippi, Nebraska, Ohio, South Dakota, Wisconsin).

spaldingi

Villa spaldingi Painter, 1933a: 13. TYPE LOCALITY: USA (Utah) [H in USNM*].

DISTRIBUTION: **Nearctic:** Mexico (Jalisco, Nuevo León, Sonora, Tamaulipas), USA (California, Colorado, Georgia, Michigan, Minnesota, Nevada, Oregon, Ohio, South Dakota, Utah, Wisconsin).

splendida

Paravilla splendida Hall, 1981a: 161. TYPE LOCALITY: USA (California) [H in USNM*].

DISTRIBUTION: **Nearctic:** Mexico (Baja California Norte), USA (California).

stheno

Anthrax stheno Wiedemann, 1828: 582. TYPE LOCALITY: “Brasilien” [= Brazil or Uruguay] [1S in ZMUC].

DISTRIBUTION: **Neotropical:** “Brasilien” [= Brazil or Uruguay].

syrtris

Anthrax syrtris Coquillett, 1887c: 173. TYPE LOCALITY: USA (California) [L designated by Evenhuis & Greathead (1999: 652) in USNM*].

DISTRIBUTION: **Nearctic:** Canada (Alberta), Mexico (Baja California Norte, Sonora), USA (Arizona, California, Colorado, Nevada, New Mexico, Oklahoma).

texana

Paravilla texana Hall, 1981a: 169. TYPE LOCALITY: USA (Texas) [H in USNM*].

DISTRIBUTION: **Nearctic:** USA (Colorado, Kansas, Nevada, New Mexico, Texas).

tricellula

Villa tricellula Cole, 1952: 129. TYPE LOCALITY: USA (California) [H in CAS].

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

vasta

Anthrax vasta Coquillett, 1892c: 184. TYPE LOCALITY: USA (California) [H in USNM*].

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

vigilans

Anthrax vigilans Coquillett, 1887c: 176. TYPE LOCALITY: USA (California) [L designated by Evenhuis & Greathead (1999: 653) in USNM*].

DISTRIBUTION: **Nearctic:** Canada (British Columbia), USA (Arizona, California, Colorado, Idaho, Nevada, Utah, Washington, Wyoming).

villica

Anthrax villica Philippi, 1865: 669. TYPE LOCALITY: Chile [N designated by Hall (1976a: 248) in MEUC*].

DISTRIBUTION: **Neotropical:** Chile.

vulpina

Anthrax vulpina Coquillett, 1892c: 183. TYPE LOCALITY: USA (California) [L designated by Evenhuis & Greathead (1999: 653) in USNM*].

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

winburni

Paravilla winburni Hall, 1981a: 178. TYPE LOCALITY: USA (Arizona) [H in USNM*].

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

xanthina

Villa xanthina Painter, 1933a: 13. TYPE LOCALITY: USA (Kansas) [H in USNM*].

DISTRIBUTION: **Nearctic:** USA (Colorado, Kansas, Nebraska, New Mexico, South Dakota, Texas, Wyoming).

Genus POECILANTHRAX Osten Sacken

POECILANTHRAX Osten Sacken, 1886b: 112 (as subgenus of *Anthrax* Scopoli), 119 (as “group” of *Anthrax* Scopoli). Type species: *Anthrax alcyon* Say, 1824, by subsequent designation (Coquillett, 1910b: 593).

alcyon

Anthrax alcyon Say, 1824: 371. TYPE LOCALITY: USA (“Northwest territory”) [S (destroyed) in ANSP (see Note 25); 1S in NMW].

Anthrax halcyon Osten Sacken, 1858: 40 (unjustified emendation of *Anthrax alcyon* Say, 1824).

DISTRIBUTION: **Nearctic:** Mexico (Chihuahua), Canada (Alberta, Manitoba, Ontario, Saskatchewan), USA (Arizona, California, Colorado, Illinois, Kansas, Michigan, Minnesota, Montana, Nebraska, New Mexico, North Carolina, North Dakota, Ohio, Oregon, South Dakota, Texas, Utah, Virginia, Wyoming).

alpha

Anthrax alpha Osten Sacken, 1877: 239. TYPE LOCALITY: USA (Wyoming) [L designated by Evenhuis (1981b: 3) in MCZ*].

DISTRIBUTION: **Nearctic:** Canada (Alberta), USA (Arizona, California, Colorado, Idaho, Montana, Nebraska, Nevada, New Mexico, North Dakota, Oregon, South Dakota, Utah, Wyoming).

apache

Poecilanthrax apache Painter & Hall, 1960: 31. TYPE LOCALITY: USA (Arizona) [H in SEMC].

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

arethusa

Anthrax arethusa Osten Sacken, 1886b: 116. TYPE LOCALITY: Mexico (Sonora) [L designated by Painter & Painter (1962: 133) in BMNH*].

DISTRIBUTION: **Nearctic:** Mexico (Chihuahua, Guerrero, México, Morelos, Sonora, Veracruz-Llave), USA (Arizona, California, Colorado, Nebraska, New Mexico, Texas, Utah, Wyoming). **Neotropical:** Costa Rica, Guatemala, Mexico (Chiapas), Panama.

autumnalis

Anthrax arethusa var. *autumnalis* Cole, 1917: 71. TYPE LOCALITY: USA (California) [H in USNM*].

DISTRIBUTION: **Nearctic:** USA (Arizona, California, Colorado, Idaho, Nevada,

Utah).

bicellata

Exoprosopa bicellata Macquart, 1847a: 51 [1847b: 61]. TYPE LOCALITY: "Australie?" [error, = USA (R.H. Painter, *in litt.*)] [H in BMNH*].

Anthrax demogorgon Walker, 1849: 265. TYPE LOCALITY: USA (Florida) [2S in BMNH*; 1S in MVMA; 1S in UMO*].

Anthrax ceyx Loew, 1869c: 19 [1872c: 133]. TYPE LOCALITY: USA (Virginia) [L designated by Evenhuis (1982b: 6) in MCZ*].

DISTRIBUTION: **Nearctic:** USA (Florida, Illinois, Indiana, Kansas, Kentucky, Michigan, Minnesota, Missouri, Nebraska, New Jersey, New York, Ohio, Pennsylvania, South Carolina, Tennessee, Virginia, West Virginia, Wisconsin).

brachypus

Poecilanthrax brachypus Calderwood, 1995: 204. TYPE LOCALITY: USA (California) [H in CAS].

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

californicus

Anthrax californicus Cole, 1917: 69. TYPE LOCALITY: USA (California) [H in USNM*].

DISTRIBUTION: **Nearctic:** Mexico (Baja California Norte), USA (Arizona, California, Colorado, Nevada, New Mexico, Oregon, Utah, Wyoming).

colei

Poecilanthrax colei Johnson & Johnson, 1957: 10. TYPE LOCALITY: USA (California) [H in USNM*].

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

effrenus

Anthrax effrena Coquillett, 1887c: 182. TYPE LOCALITY: USA (Arizona) [H in USNM*].

DISTRIBUTION: **Nearctic:** Mexico (Baja California Sur, Chihuahua, Sonora, Tamaulipas, Tiburon I), USA (Arizona, California, New Mexico, Oklahoma, Texas).

eremicus

Poecilanthrax eremicus Painter & Hall, 1960: 51. TYPE LOCALITY: USA (California) [H in SEMC].

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

fasciatus

Poecilanthrax fasciatus Johnson & Johnson, 1957: 11. TYPE LOCALITY: USA (Colorado) [H in BYU].

DISTRIBUTION: **Nearctic:** USA (Colorado, Kansas, Texas).

fuliginosus

Anthrax fuliginosa Loew, 1869c: 20 [1872c: 134]. TYPE LOCALITY: USA (California) [H in MCZ*].

Poecilanthrax butleri Johnson & Johnson, 1957: 7. TYPE LOCALITY: USA (Arizona) [H in BYU].

DISTRIBUTION: **Nearctic:** Mexico (Baja California Norte, Sonora), USA (Arizona, California, Colorado, Nevada, New Mexico).

hyalinipennis

Poecilanthrax hyalinipennis Painter & Hall, 1960: 64. TYPE LOCALITY: USA (Arizona) [H in SEMC].

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

ingens

Poecilanthrax ingens Johnson & Johnson, 1957: 13. TYPE LOCALITY: USA (Arizona) [H in BYU].

DISTRIBUTION: **Nearctic**: Mexico (San Luis Potosí), USA (Arizona).

interruptus

Poecilanthrax poecilogaster ssp. *interruptus* Painter & Hall, 1960: 97. TYPE LOCALITY: USA (California) [H in SEMC].

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

johnsonorum

Poecilanthrax johnsonorum Painter & Hall, 1960: 69. TYPE LOCALITY: USA (Utah) [H in BYU].

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

litoralis

Poecilanthrax litoralis Painter & Hall, 1960: 71. TYPE LOCALITY: USA (California) [H in SEMC].

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

loewi

Anthrax flaviceps Loew, 1869c: 18 [1872c: 132]. TYPE LOCALITY: Mexico (Tamaulipas) [L designated by Evenhuis (1982b: 9) in MCZ*]. [Preoccupied by Guérin-Méneville, 1844.]

Poecilanthrax loewi Evenhuis & Greathead, 1999: 471 (new replacement name for *Anthrax flaviceps* Loew, 1869).

DISTRIBUTION: **Nearctic**: Mexico (Nuevo León, Tamaulipas), USA (Kansas, New Mexico, Texas).

lucifer

Bibio lucifer Fabricius, 1775: 759. TYPE LOCALITY: “America” [3S in ZMUC; 4S in ZMHB*].

Anthrax fumiflamma Walker, 1852: 184. TYPE LOCALITY: Jamaica [1S in BMNH*; 1S in MVMA].

DISTRIBUTION: **Nearctic**: Mexico (Baja California Sur, Colima, Durango, Guanajuato, Guerrero, Hidalgo, Jalisco, Morelos, San Luis Potosí, Sonora, Tamaulipas, Veracruz-Llave), USA (Alabama, Arizona, Arkansas, Colorado, Florida, Georgia, Illinois, Indiana, Kansas, Louisiana, Mississippi, Nebraska, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, Utah). **Neotropical**: Bahamas, Costa Rica, Cuba, Dominican Republic, El Salvador, Guatemala, Haiti, Honduras, Jamaica, Mexico (Chiapas, Oaxaca), Panama, Puerto Rico, Saint Kitts and Nevis, U.S. Virgin Is.

macquarti

Anthrax brunnipennis Macquart, 1840: 70 [1841: 348]. TYPE LOCALITY: “Patrie inconnue” [= ?West Indies] [T (lost) in MNHN]. [Preoccupied by Macquart, 1839.]

Poecilanthrax macquarti Evenhuis & Greathead, 1999: 471 (new replacement name for *Anthrax brunnipennis* Macquart, 1840).

DISTRIBUTION: **Neotropical:** ?West Indies.

marmoreus

Poecilanthrax marmoreus Johnson & Johnson, 1957: 16. TYPE LOCALITY: USA (California) [H in USNM*].

DISTRIBUTION: **Nearctic:** USA (Arizona, California, Colorado, Texas, Utah).

mexicanus

Poecilanthrax mexicanus Painter in Painter & Painter, 1969: 10. TYPE LOCALITY: Mexico (Morelos) [H in USNM*].

DISTRIBUTION: **Nearctic:** Mexico (Colima, Guerrero, Hidalgo, Morelos, Nuevo León, Puebla, San Luis Potosí, Tamaulipas).

moffitti

Poecilanthrax moffitti Painter & Hall, 1960: 78. TYPE LOCALITY: USA (California) [H in SEMC].

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

montanus

Poecilanthrax montanus Painter & Hall, 1960: 82. TYPE LOCALITY: USA (California) [H in SEMC].

DISTRIBUTION: **Nearctic:** USA (California, Idaho, New Mexico, Oregon, Washington, Wyoming).

monticola

Poecilanthrax sackenii ssp. *monticola* Johnson & Johnson, 1957: 23. TYPE LOCALITY: USA (Utah) [H in BYU].

DISTRIBUTION: **Nearctic:** Canada (British Columbia, Alberta), USA (Idaho, Colorado, Nebraska, North Dakota, Utah, Washington, Wyoming).

nigripennis

Anthrax nigripennis Cole, 1917: 70. TYPE LOCALITY: USA (Maryland) [H in USNM*].

DISTRIBUTION: **Nearctic:** USA (Georgia, Maryland, Michigan, New York, North Carolina, Tennessee, Virginia).

painteri

Poecilanthrax painteri Maughan, 1935: 56. TYPE LOCALITY: USA (Utah) [H in BYU].

DISTRIBUTION: **Nearctic:** USA (California, Colorado, Idaho, Montana, Oregon, Utah, Wyoming).

pallidifrons

Poecilanthrax moffitti ssp. *pallidifrons* Evenhuis, 1977: 123. TYPE LOCALITY: USA (California) [H in CAS*].

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

pilosus

Anthrax pilosa Cole, 1917: 76. TYPE LOCALITY: USA (California) [L designated by Johnson & Johnson (1957: 19) in USNM*].

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

poecilogaster

Anthrax poecilogaster Osten Sacken, 1886b: 118. TYPE LOCALITY: Mexico (Sonora) [L designated by Painter & Painter (1962: 134) in BMNH*].

DISTRIBUTION: **Nearctic:** Mexico (Morelos, Nuevo León, Sonora), USA (Arizona, California, Colorado, Idaho, Nevada, New Mexico, Oregon, Utah). **Neo-**

tropical: Mexico (Oaxaca).

robustus

Poecilanthrax robustus Johnson & Johnson, 1957: 20. TYPE LOCALITY: USA (California) [H in BYU].

DISTRIBUTION: **Nearctic:** Mexico (Baja California Norte), USA (California).

sackenii

Anthrax tegminipennis var. *sackenii* Coquillett, 1887c: 180. TYPE LOCALITY: USA (Arizona) [2S in USNM*].

DISTRIBUTION: **Nearctic:** Canada (Alberta, British Columbia, Manitoba), USA (Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, North Dakota, Oregon, Utah, Washington, Wyoming).

signatipennis

Anthrax signatipennis Cole, 1917: 74. TYPE LOCALITY: USA (Wyoming) [H in USNM*].

Poecilanthrax marginatus Johnson & Johnson, 1957: 14. TYPE LOCALITY: USA (Utah) [H in BYU].

yellowstonei, incorrect original spelling of *signatipennis* (Cole, 1917: 80).

DISTRIBUTION: **Nearctic:** Canada (Alberta), USA (California, Colorado, Idaho, Montana, Nevada, Oregon, Utah, Washington, Wyoming).

tanbarkensis

Poecilanthrax tanbarkensis Painter & Hall, 1960: 21, 109, 110. TYPE LOCALITY: USA (California) [H in SEMC].

tanbarkensis, incorrect original spelling of *tanbarkensis* (Painter & Hall, 1960: 109).

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

tegmipennis

Anthrax tegmipennis Say, 1824: 371. TYPE LOCALITY: USA (“Northwest territory”) [S (destroyed) in ANSP (see Note 25); 2S in NMW].

Anthrax fuscipennis Macquart, 1834: 410. TYPE LOCALITY: “Amérique septentrionale” [T in UNKN (originally in Percheron Collection)].

DISTRIBUTION: **Nearctic:** Canada (Alberta, Manitoba, Ontario, Quebec, Saskatchewan), USA (California, Connecticut, Colorado, Idaho, Maine, Massachusetts, Michigan, Minnesota, Montana, Nebraska, Nevada, New Hampshire, New Jersey, New Mexico, New York, North Carolina, North Dakota, Ohio, Oregon, Rhode Island, South Dakota, Utah, Vermont, Wisconsin, Wyoming).

varius

Poecilanthrax varius Painter & Hall, 1960: 114. TYPE LOCALITY: USA (California) [H in SEMC].

DISTRIBUTION: **Nearctic:** USA (California, Colorado, Idaho, Montana, Nevada, Utah, Wyoming).

vexativus

Poecilanthrax vexativus Painter & Hall, 1960: 119. TYPE LOCALITY: USA (New Mexico) [H in SEMC].

DISTRIBUTION: **Nearctic:** Mexico (Chihuahua, Durango, Guerrero, México, Nuevo León, Puebla, Veracruz-Llave), USA (Arizona, Colorado, New Mexico).

willistoni

Anthrax willistonii Coquillett, 1887c: 181. TYPE LOCALITY: USA (California) [L designated by Evenhuis & Greathead (1999: 654) in USNM*].

DISTRIBUTION: **Nearctic:** Canada (Alberta, British Columbia, Manitoba, Saskatchewan), Mexico (Baja California Norte), USA (Arizona, California, Colorado, Idaho, Kansas, Nevada, New Mexico, North Dakota, Oklahoma, Oregon, South Dakota, Utah, Washington, Wyoming).

zionensis

Poecilanthrax alpha ssp. *zionensis* Johnson & Johnson, 1957: 6. TYPE LOCALITY: USA (Utah) [H in BYU].

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

Genus **RHYNCHANTHRAX** Painter

RHYNCHANTHRAX Painter, 1933a: 6 (as subgenus of *Villa* Lioy). Type species: *Anthrax parvicornis* Loew, 1869, by original designation.

capreus

Anthrax caprea Coquillett, 1887c: 170. TYPE LOCALITY: USA (California) [L designated by Evenhuis & Greathead (1999: 645) in USNM*].

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

maria

Anthrax maria Williston, 1901: 283. TYPE LOCALITY: Mexico (Guerrero) [L designated by Painter & Painter (1962: 115) in BMNH*].

DISTRIBUTION: **Nearctic:** Mexico (Guerrero, Morelos).

nigrofimbriatus

Anthrax nigrofimbriata Williston, 1901: 282. TYPE LOCALITY: Mexico (Guerrero) [L designated by Painter & Painter (1962: 119) in BMNH*].

DISTRIBUTION: **Nearctic:** Mexico (Guerrero).

parvicornis

Anthrax parvicornis Loew, 1869c: 23 [1872c: 137]. TYPE LOCALITY: USA (Illinois) [H in MCZ*].

DISTRIBUTION: **Nearctic:** USA (Alabama, Colorado, Illinois, Iowa, Kansas, Louisiana, Mississippi, Missouri, Nebraska, New Mexico, Oklahoma, Texas).

quivera

Villa quivera Painter, 1933a: 9. TYPE LOCALITY: USA (New Mexico) [H in USNM*].

DISTRIBUTION: **Nearctic:** Mexico (Durango), USA (New Mexico).

rex

Anthrax rex Osten Sacken, 1886b: 127. TYPE LOCALITY: Mexico (Sonora) [L designated by Painter & Painter (1962: 121) in BMNH*].

Anthrax plagosa Coquillett, 1887c: 178. TYPE LOCALITY: USA (Arizona) [IS in USNM*].

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

texanus

Anthrax texana Painter, 1933a: 8. TYPE LOCALITY: USA (Texas) [H in USNM*].

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

Genus **STONYX** Osten Sacken

STONYX Osten Sacken, 1886a: 80, 94. Type species: *Stonyx clelia* Osten Sacken, 1886, by subsequent designation (Coquillett, 1910b: 609).

clelia

Stonyx clelia Osten Sacken, 1886a: 95. TYPE LOCALITY: Mexico (Sonora) [L designated by Painter & Painter (1962: 126) in BMNH*].

Anthrax keenii Coquillett, 1887c: 164. TYPE LOCALITY: USA (Arizona) [L designated by Evenhuis & Greathead (1999: 648) in USNM*].

DISTRIBUTION: **Nearctic:** Mexico (Morelos, Sonora), USA (Arizona).

clotho

Anthrax clotho Wiedemann, 1830: 635. TYPE LOCALITY: “Oaxara in Mexiko” [= Mexico (Oaxaca)] [H in ZMHB*].

DISTRIBUTION: **Nearctic:** Mexico (México, Michoacán de Ocampo, Morelos).

Neotropical: Mexico (Oaxaca), Panama.

lacerus

Anthrax lacera Wiedemann, 1830: 634. TYPE LOCALITY: “Oaxara im Mexikanischen” [= Mexico (Oaxaca)] [L designated by Painter & Painter (1962: 127) in NMW].

DISTRIBUTION: **Nearctic:** Mexico (Guerrero, Jalisco, Michoacán de Ocampo).

Neotropical: Mexico (Oaxaca).

lelia

Stonyx lelia Williston, 1901: 274. TYPE LOCALITY: Mexico (Guerrero) [L designated by Painter & Painter (1962: 127) in BMNH*].

DISTRIBUTION: **Nearctic:** Mexico (Guerrero).

melia

Stonyx melia Williston, 1901: 274. TYPE LOCALITY: Mexico (Guerrero) [L designated by Painter & Painter (1962: 127) in BMNH*].

Anthrax melior Kertész, 1909: 46 (unjustified emendation of *Stonyx melia* Williston, 1901).

DISTRIBUTION: **Nearctic:** Mexico (Guerrero).

Genus **SYNTHESIA** Bezzi

SYNTHESIA Bezzi, 1921a: 130. Type species: *Synthesia fucoides* Bezzi, 1921, by original designation.

fucoides

Synthesia fucoides Bezzi, 1921a: 131. TYPE LOCALITY: South Africa (Northern Cape) [2S in SAMC*].

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

Genus **THYRIDANTHRAX** Osten Sacken

THYRIDANTHRAX Osten Sacken, 1886b: 113 (as subgenus of *Anthrax* Scopoli), 123 (as “group” of *Anthrax* Scopoli). Type species: *Anthrax selene* Osten Sacken, 1886, by subsequent designation (Coquillett, 1910b: 615).

alphonsi

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

DISTRIBUTION: **Palaeartic**: Portugal.

andrewsi

Villa andrewsi Hall, 1970: 528. TYPE LOCALITY: USA (California) [H in CAS].

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

anomalus

Thyridanthrax anomalus Greathead, 1980b: 324. TYPE LOCALITY: Saudi Arabia [H in BMNH*].

DISTRIBUTION: **Palaeartic**: Saudi Arabia.

atratus

Anthrax atrata Coquillett, 1887c: 171. TYPE LOCALITY: USA (California) [L designated by Evenhuis & Greathead (1999: 644) in USNM*].

DISTRIBUTION: **Nearctic**: USA (California, Nevada, Oregon, Washington).

dagniensis

Thyridanthrax dagniensis Paramonov, 1933a: 35. TYPE LOCALITY: Armenia [H in SIZK].

DISTRIBUTION: **Palaeartic**: Armenia, Azerbaijan, Gruzia, Kyrgyz Republic, Tajikistan, Turkmenistan, Uzbekistan.

decipulus

Villa decipulus Austen, 1937: 143. TYPE LOCALITY: Israel (West Bank) [H in BMNH*].

DISTRIBUTION: **Palaeartic**: Israel (incl. West Bank), Oman, Saudi Arabia, United Arab Emirates.

delgerensis

Thyridanthrax delgerensis Zaitzev, 1976b: 495. TYPE LOCALITY: Mongolia [H in ZIS].

DISTRIBUTION: **Palaeartic**: Mongolia.

durvillei

Anthrax durvillei Macquart, 1840: 65 [1841: 343]. TYPE LOCALITY: Chile [H in MNHN*].

DISTRIBUTION: **Neotropical**: Chile.

elegans ssp. **calochromatus**

Anthrax fenestralis Macquart, 1840: 63 [1841: 341]. TYPE LOCALITY: “Du Cap” [= South Africa (Western Cape)] [S in UNKN (originally in Serville Collection); S (lost) in MNHN]. [Preoccupied by Wiedemann, 1830.]

Thyridanthrax calochromatus Bezzi, 1921a: 135. TYPE LOCALITY: “Cape” [probably = South Africa (Western Cape)] [H in SAMC].

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

elegans ssp. **elegans**

Anthrax elegans Hoffmannsegg in Wiedemann, 1818a: 17. *Nomen nudum*.

Nomotelus inquinatus Pallas in Wiedemann, 1818a: 17. [Unavailable; name pro-

posed in synonymy with *Anthrax elegans* Hoffmanssegg and not made available before 1961.]

Anthrax elegans Wiedemann in Meigen, 1820: 155. TYPE LOCALITY: Portugal & “Süd-russland” [= Russia (SET) (see Pont, 1995: 150)] [4S in ZMHB*; 2S in MNHN*; 1S in NMW; ?1S in UMO*].

Anthrax varinevris Macquart, 1846: 351(223), pl. 9, fig. 14. TYPE LOCALITY: Not given [= Palaearctic] [T in UNKN].

Anthrax variegatus Jaenicke, 1867a: 69. TYPE LOCALITY: Italy (Sicily) [T (lost) in HLMD]. [Preoccupied by Pallas, 1818.]

Thyridanthrax dolgovskayae Zaitzev, 1999: 898. TYPE LOCALITY: Israel [H in ZIS].

DISTRIBUTION: **Palaearctic**: Armenia, Austria, Azerbaijan, Bosnia-Herzegovina, Bulgaria, Croatia, Cyprus, Egypt, France (incl. Corsica), Greece (incl. Corfu, Lesbos), Gruzia, Iran, Israel, Italy (incl. Sicily), Kazakhstan, Kyrgyz Republic, Lebanon, Libya, Malta, Moldova, Mongolia, Morocco, Poland, Portugal, Russia (SET), Spain (incl. Ibiza, Mallorca), Syria, Tajikistan, Turkey, Turkmenistan, Ukraine, Uzbekistan, Yugoslavia.

elegans ssp. **kappa**

Thyridanthrax kappa Bowden, 1964a: 103. TYPE LOCALITY: Ghana [H in JB].

DISTRIBUTION: **Afrotropical**: Eritrea, Ghana, Mali, Niger, Yemen. **Palaearctic**: Saudi Arabia.

elegans ssp. **macquarti**

Thyridanthrax macquarti Bezzi, 1912: 626. TYPE LOCALITY: “North Nyasa” [= Malawi] [2S in BMNH*].

DISTRIBUTION: **Afrotropical**: Malawi, Zambia, Zimbabwe.

elegans ssp. **subperspicillaris**

Thyridanthrax subperspicillaris Bezzi, 1922a: 84. TYPE LOCALITY: South Africa (Eastern Cape) [1S in MSNM].

Thyridanthrax subperspicillaris Bezzi, 1924a: 207. TYPE LOCALITY: “Kenya Colony” [= Kenya] [H in BMNH*]. [Preoccupied by Bezzi, 1922.]

DISTRIBUTION: **Afrotropical**: Kenya, South Africa (Eastern Cape, Gauteng).

fenestratoides

Anthrax fenestratoides Coquillett, 1892c: 185. TYPE LOCALITY: USA (California) [L designated by Evenhuis & Greathead (1999: 647) in USNM*].

Anthrax macula Cole in Cole & Lovett, 1919: 226. TYPE LOCALITY: USA (Oregon) [H in CAS].

DISTRIBUTION: **Neartic**: Mexico (San Luis Potosí, Sonora), USA (California, Colorado, Idaho, Kansas, ?Massachusetts, Nevada, New Mexico, Oregon, Texas, Utah, Wyoming).

fenestratus

Anthrax fenestrata Fallén, 1814: 8. TYPE LOCALITY: Sweden [S in MZLU; 1S in MNHN*].

Anthrax variegata Pallas in Wiedemann, 1818a: 12. TYPE LOCALITY: “Rhymano usque ad Obum fl. per omnem Tatariam magnam” [= Russia (SET) or Kazakhstan] [T in NMW (see Note 20)].

Anthrax ornatus Hoffmanssegg in Wiedemann, 1818a: 13. [Unavailable; name proposed in synonymy with *Anthrax variegata* Pallas and not made available before 1961.]

Anthrax ornatus Curtis, 1824: 9. TYPE LOCALITY: UK (Great Britain) [5S in MVMA].

Anthrax nigrita var. *italica* Walker, 1849: 255. [Unavailable; name proposed in synonymy with *Anthrax fenestrata* Fallén and not made available before 1961.]

Hemipenthes fenestratus var. *montana* Paramonov, 1927d: 175. TYPE LOCALITY: Armenia [2S in SIZK].

DISTRIBUTION: **Palaeartic:** Albania, Algeria, Armenia, Austria, Azerbaijan, Belarus, Belgium, Bosnia-Herzegovina, Bulgaria, China (Beijing, Nei Monggol), Croatia, Czech Republic, Denmark, Egypt, Estonia, Finland, France, Germany, Greece, Gruzia, Hungary, Iran, Italy (incl. Sicily), Kazakhstan, Kyrgyz Republic, Latvia, Libya, Lithuania, Luxemburg, Macedonia, Moldova, Mongolia, Morocco, Netherlands, Norway, Poland, Portugal, Romania, Russia (CET, NET, SET), Slovakia, Slovenia, Spain, Sweden, Switzerland, Tajikistan, Turkey, Turkmenistan, Ukraine, UK (Great Britain), Uzbekistan, Yugoslavia.

graecus

Hemipenthes graecus Paramonov, 1927d: 184. TYPE LOCALITY: Greece [H in SIZK].

DISTRIBUTION: **Palaeartic:** Greece, Italy.

griseolus

Anthrax griseola Klug, 1832: pl. 30, fig. 11. TYPE LOCALITY: “Saccahrán” [error, “Syria” (from type specimen label data) = Lebanon (see Baker, 1997: 194)] [2S in ZMHB*].

DISTRIBUTION: **Palaeartic:** Egypt, Iran, Lebanon, ?Libya, Saudi Arabia, Tunisia.

heliocheili

Thyridanthrax heliocheili Greathead, 1991a: 50. TYPE LOCALITY: Mali [H in BMNH*].

DISTRIBUTION: **Afrotropical:** Kenya, Mali, Senegal.

hispanus

Anthrax hispanus Loew, 1869b: 158. TYPE LOCALITY: “Andalusien” [= Spain] [2S in ZMHB*].

DISTRIBUTION: **Palaeartic:** Spain.

incanus

Anthrax incana Klug, 1832: pl. 30, fig. 5. TYPE LOCALITY: “Syria” [= Lebanon (see Baker, 1997: 194)] [H in ZMHB*].

Anthrax testacea Macquart, 1840: 61 [1841: 339]. TYPE LOCALITY: “Arabie” & Egypt [3S in MNHN*].

Anthrax varipennis Macquart in Lucas, 1849: 457. TYPE LOCALITY: Algeria [H in MNHN*].

DISTRIBUTION: **Oriental:** Pakistan. **Palaeartic:** Afghanistan, Algeria, Armenia, Azerbaijan, Cyprus, Egypt, France, Greece, Gruzia, Iran, Israel, Italy (incl. Sicily), Lebanon, Libya, Macedonia, Morocco, Syria, Tunisia, Turkey, Turkmenistan, Yugoslavia.

incipiens

Thyridanthrax incipiens Bezzi, 1924a: 208. TYPE LOCALITY: “Kenya Colony” [= Kenya] [3S in BMNH*].

DISTRIBUTION: **Afrotropical:** Ethiopia, Kenya, Namibia, Somalia, Tanzania.

indigenus

Anthrax indigenus Becker, 1908: 12. TYPE LOCALITY: Canary Is [4S in ZMUC; 4S in ZMHB*; 2S in MNHN].

Anthrax fascicollis Santos Abreu, 1926: 68(28). [Unavailable; name proposed in synonymy with *Anthrax indigena* Becker and not made available before 1961.]

DISTRIBUTION: **Palaeartic:** Canary Is, Italy.

insularis

Thyridanthrax insularis Baez, 1991: 54. TYPE LOCALITY: Canary Is [H in MABC].
DISTRIBUTION: **Palaeartic**: Canary Is.

kozlovi

Thyridanthrax kozlovi Zaitzev, 1976a: 619. TYPE LOCALITY: Mongolia [H in ZIS].
DISTRIBUTION: **Palaeartic**: China (Nei Monggol), Mongolia.

kushkaensis

Hemipenthes kushkaensis Paramonov, 1927d: 170. TYPE LOCALITY: Turkmenistan [1S in SIZK].
DISTRIBUTION: **Palaeartic**: Afghanistan, Tajikistan, Turkmenistan.

laetus

Exoprosopa laeta Loew, 1860a: 91 [1860b: 296; 1860c: 224]. TYPE LOCALITY: “Caf-fraria” [= South Africa (Eastern Cape)] [H in NHRS].
DISTRIBUTION: **Afrotropical**: Botswana, Kenya, Malawi, Namibia, South Africa (Eastern Cape), Tanzania, Zambia, Zimbabwe.

lotus

Anthrax lotus Loew, 1869b: 164. TYPE LOCALITY: Greece (Rhodes) & “Küste Klein-asiens” [= Greece, Syria, or Turkey] [1S in UMO*; 11S in ZMHB*].
Villa confusa Becker, 1916: 47. TYPE LOCALITY: Greece & “Klein-Asien” [= Greece, Syria, or Turkey] & “Turkestan” [2S (destroyed) in HNHM (see Note 9); 1S in ZIS; 1S in ZMHB*].
DISTRIBUTION: **Palaeartic**: Afghanistan, Armenia, Azerbaijan, Cyprus, Egypt, Greece (incl. Rhodes), Gruzia, Iran, Italy, Kazakhstan, Kyrgyz Republic, Spain, Tajikistan, Turkey, Turkmenistan, Uzbekistan.

loustaii

Thyridanthrax loustaii Andréu Rubio, 1961: 53. TYPE LOCALITY: Spain [133S in MNMS].
DISTRIBUTION: **Palaeartic**: Spain.

luminus

Villa lumina Hall, 1970: 527. TYPE LOCALITY: USA (California) [H in CAS].
DISTRIBUTION: **Nearctic**: USA (California).

melanopterus

Villa melanoptera Hall, 1975b: 107. TYPE LOCALITY: USA (California) [H in CAS].
DISTRIBUTION: **Nearctic**: USA (Arizona, California, Nevada, Texas).

melasoma

Anthrax melasoma Wulp, 1882: 74. TYPE LOCALITY: USA (Arizona) [H in RMNH].
DISTRIBUTION: **Nearctic**: USA (Arizona, Oregon, Utah).

meridionalis

Villa meridionalis Cole, 1923: 292. TYPE LOCALITY: Mexico (Baja California Sur) [H in CAS].
DISTRIBUTION: **Nearctic**: Mexico (Baja California Sur), USA (California).

michaili

Thyridanthrax michaili Zaitzev, 1974a: 328. TYPE LOCALITY: Mongolia [H in ZIS].
DISTRIBUTION: **Palaeartic**: Mongolia.

minutus

Anthrax minuta Macquart in Lucas, 1849: 460. TYPE LOCALITY: Algeria [H (de-

stroyed) in MNHN].

DISTRIBUTION: **Palearctic**: Algeria.

murinus

Anthrax murina Philippi, 1865: 666. TYPE LOCALITY: Chile [T (lost?) in MNNC (see Note 22)].

DISTRIBUTION: **Neotropical**: Chile.

mutilus

Anthrax mutilus Loew, 1869b: 159. TYPE LOCALITY: Greece (Rhodes) [2S in ZMHB*].

DISTRIBUTION: **Palearctic**: Egypt, Greece (incl. Lesbos, Rhodes), Israel, Italy, Macedonia, Saudi Arabia, Syria, Turkey.

nebulosus

Anthrax nebulosus Dufour, 1852: 6. TYPE LOCALITY: Spain [T (lost) in MNHN].

Anthrax occipitalis Loew, 1869b: 162. TYPE LOCALITY: “Andalusien” [= Spain] [H in ZMHB*].

nubilus, error for *nebulosus*.

DISTRIBUTION: **Palearctic**: Italy, Morocco, Portugal, Spain.

nugator

Anthrax nugator Coquillett, 1887c: 178. TYPE LOCALITY: USA (California) [L designated by Evenhuis & Greathead (1999: 650) in USNM*].

Anthrax bifenestratus Bigot, 1892: 356. TYPE LOCALITY: USA (California) [L designated by Painter & Painter (1962: 87) in BMNH*].

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

obliteratus

Anthrax obliterata Loew, 1862a: 80. TYPE LOCALITY: Greece [2S in UMO*; 1S in ZMHB*].

DISTRIBUTION: **Palearctic**: Armenia, Azerbaijan, Egypt, Greece, Gruzia, Iran, Italy, Kyrgyz Republic, Libya, Mongolia, Tajikistan, Turkmenistan, Uzbekistan, Yugoslavia.

pallidus

Anthrax nugator var. *pallida* Coquillett, 1887c: 179. TYPE LOCALITY: USA (California) [L designated by Evenhuis & Greathead (1999: 650) in USNM*].

Villa utahensis Maughan, 1935: 51. TYPE LOCALITY: USA (Utah).

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

pallidipennis

Hemipenthes pallidipennis Paramonov in Zakhvatkin, 1931: 390. *Nomen nudum*.

perspicillaris ssp. **idolus**

Thyridanthrax idolus Hesse, 1956b: 612. TYPE LOCALITY: South Africa (Northern Cape) [H in SAMC].

Thyridanthrax speciosus Hesse, 1956b: 614. TYPE LOCALITY: “Southern Rhodesia” [= Zimbabwe] [H in NMBZ].

Thyridanthrax hessei Bowden, 1964a: 103. TYPE LOCALITY: South Africa (Northern Cape) [H in BMNH*].

DISTRIBUTION: **Afrotropical**: Botswana, Eritrea, Ethiopia, Kenya, Mali, Namibia, South Africa (Eastern Cape, Northern Cape, Western Cape), Uganda, Yemen, Zimbabwe. **Palearctic**: Saudi Arabia.

perspicillaris ssp. perspicillaris

Anthrax perspicillaris Loew, 1869b: 157. TYPE LOCALITY: Italy & Greece & “Südrussland” [probably = Kazakhstan] & “Kleinasien” [= Greece, Syria, or Turkey] [1S in UMO*; 19S in ZMHB*].

Anthrax gallus Loew, 1869b: 155. TYPE LOCALITY: “Bordeaux” [= France] [H in ZMHB*].

Thyridanthrax ternarius Bezzi, 1920: 108. TYPE LOCALITY: “Scioa” [= Ethiopia] [S in MCSN].

Thyridanthrax ternarius Bezzi, 1921a: 136. TYPE LOCALITY: South Africa (Northern Cape & Mpumalanga) [3S in SAMC]. [Preoccupied by Bezzi, 1920.]

Anthrax pyrroproctus Bigot in Bezzi, 1921a: 137. [Unavailable; name proposed in synonymy with *Thyridanthrax ternarius* Bezzi and not made available before 1961.]

Thyridanthrax ternarius Bezzi, 1924a: 210. TYPE LOCALITY: Gambia [7S in BMNH*]. [Preoccupied by Bezzi, 1920.]

DISTRIBUTION: **Afrotropical:** Eritrea, Ethiopia, Gambia, Ghana, Mali, Mauritania, South Africa (Eastern Cape, Mpumalanga, Northern Cape, Western Cape), Sudan. **Oriental:** Pakistan. **Palaeartic:** Afghanistan, Albania, Armenia, Austria, Azerbaijan, Bulgaria, Croatia, Cyprus, Egypt, France, Germany, Greece (incl. Rhodes), Gruzia, Iran, Iraq, Israel (incl. West Bank), Italy (incl. Sicily), Kazakhstan, Kyrgyz Republic, Libya, Morocco, Mongolia, Romania, Russia (SET), Saudi Arabia, Spain, Tajikistan, Turkey, Turkmenistan, United Arab Emirates, Uzbekistan, Yugoslavia.

pertusus

Anthrax pertusa Loew, 1869c: 18 [1872c: 132]. TYPE LOCALITY: USA (New Mexico) [H in MCZ*].

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

polyphemus

Anthrax polyphemus Hoffmanssegg in Wiedemann, 1819a: 9. *Nomen nudum*.

Anthrax polyphemus Wiedemann in Meigen, 1820: 168. TYPE LOCALITY: Portugal [1S in ZMHB*; 1S in NMW*].

Thyridanthrax polyphemus var. *pumilio* Austen, 1937: 149. TYPE LOCALITY: Israel [15S in BMNH*].

DISTRIBUTION: **Palaeartic:** Armenia, Azerbaijan, France, Greece (incl. Zakynthos), Gruzia, Iran, Israel (incl. West Bank), Italy, Libya, Malta, Morocco, Portugal, Spain, Syria, Tunisia, Turkey, Turkmenistan, Uzbekistan, Yugoslavia.

reductus

Thyridanthrax reductus Lindner, 1975: 18. TYPE LOCALITY: Iran [H in SMNS].

DISTRIBUTION: **Palaeartic:** Iran.

rohdendorfi

Villa rohdendorfi Paramonov, 1925h: 145. TYPE LOCALITY: Turkmenistan [5S in ZMUM; 1S in SIZK].

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

rotundifacies

Hemipenthes rotundifacies Paramonov, 1927d: 181. TYPE LOCALITY: Uzbekistan [H

in SIZK].

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

rubriventris

Hemipenthes rubriventris Paramonov, 1927d: 184. TYPE LOCALITY: Armenia [H (lost) in SIZK].

DISTRIBUTION: **Palaeartic**: Armenia, Azerbaijan, Gruzia, Turkmenistan, Uzbekistan.

selene

Anthrax selene Osten Sacken, 1886b: 122. TYPE LOCALITY: Mexico (Sonora) [L designated by Painter & Painter (1962: 123) in BMNH*].

Anthrax otiosa Coquillett, 1887c: 182. TYPE LOCALITY: USA (Arizona) [S in UNKN].
DISTRIBUTION: **Nearctic**: Mexico (Sonora), USA (Arizona, California, Texas).

semitristis

Anthrax semitristis Philippi, 1865: 665. TYPE LOCALITY: Chile [N designated by Hall (1976a: 246) in MEUC*].

Anthrax semitinctus Schiner, 1868b: 124. TYPE LOCALITY: Chile [L designated by Painter & Painter (1974: 278) in NMW].

semicinctus, error for *semitristis*.

DISTRIBUTION: **Neotropical**: Chile.

senegalensis

Thyridanthrax senegalensis François, 1972a: 28. TYPE LOCALITY: Senegal [H in KBIN*].

DISTRIBUTION: **Afrotropical**: Senegal.

shibanovae

Thyridanthrax shibanovae Zaitzev, 1999: 900. TYPE LOCALITY: Israel [H in ZIS].

DISTRIBUTION: **Palaeartic**: Israel.

sini

Villa sini Cole, 1923: 303. TYPE LOCALITY: Mexico (Baja California Norte) [H in CAS].

DISTRIBUTION: **Nearctic**: Mexico (Baja California Norte, Tiburon I), USA (California).

svenhedini

Thyridanthrax svenhedini Paramonov, 1933b: 4 (as “*sven-hedini*”). TYPE LOCALITY: China (Nei Monggol) [2S in NHRS].

DISTRIBUTION: **Palaeartic**: China (Nei Monggol).

venustus

Thyridanthrax venustus Austen, 1936: 186. TYPE LOCALITY: Algeria [H in BMNH*].

DISTRIBUTION: **Palaeartic**: Algeria.

zefaticus

Thyridanthrax zefatica Zaitzev, 1999: 901. TYPE LOCALITY: Israel [H in ZIS].

DISTRIBUTION: **Palaeartic**: Israel.

Genus **VERIBUBO** Evenhuis

TUMULUS Hull, 1973: 403, 404 (as subgenus of *Thyridanthrax* Osten Sacken). Type

species: *Anthrax misellus* Loew, 1869, by original designation. [Preoccupied by Monterosato, 1888.]

VERIBUBO Evenhuis, 1978d: 247 (new replacement name for *Tumulus* Hull, 1973). Type species: *Anthrax misellus* Loew, 1869, automatic.

albinus

Hemipenthes albina Becker & Stein, 1912: 604. *Nomen nudum*.

Hemipenthes albina Becker in Becker & Stein, 1913a: 556. TYPE LOCALITY: Iran [L designated by Zaitzev (1972d: 907) in ZIS].

DISTRIBUTION: **Palaeartic**: Armenia, Azerbaijan, Gruzia, Iran.

albulus

Veribubo albula Zaitzev, 1999: 902. TYPE LOCALITY: Israel [H in ZIS].

DISTRIBUTION: **Palaeartic**: Israel.

angusteoculatus

Anthrax angusteoculata Becker, 1902: 25 (as “*anguste-oculata*”). TYPE LOCALITY: Egypt [H in ZMHB*].

DISTRIBUTION: **Palaeartic**: Egypt, Greece, Italy, Oman, Saudi Arabia, United Arab Emirates.

anus

Anthrax anus Wiedemann, 1828: 564. TYPE LOCALITY: “Nubien” [= Sudan] [H in SMFD].

DISTRIBUTION: **Afrotropical**: Sudan. **Palaeartic**: Egypt, Libya, Tunisia, United Arab Emirates.

arenarius

Thyridanthrax arenarius Zaitzev, 1973: 294. TYPE LOCALITY: Turkmenistan [H in ZIS].

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

capella

Thyridanthrax capella Greathead, 1967: 262. TYPE LOCALITY: Eritrea [H in BMNH*].

DISTRIBUTION: **Afrotropical**: Eritrea, ?Mali.

desertus

Thyridanthrax desertus Zaitzev, 1966b: 323. TYPE LOCALITY: Armenia [H in ZIS].

DISTRIBUTION: **Palaeartic**: Armenia, Azerbaijan, Gruzia, Turkmenistan, Uzbekistan.

emeljanovi

Thyridanthrax emeljanovi Zaitzev, 1974a: 326. TYPE LOCALITY: Mongolia [H in ZIS].

DISTRIBUTION: **Palaeartic**: Mongolia.

gazella

Veribubo gazella Greathead, 1981: 322. TYPE LOCALITY: Mali [H in BMNH*].

DISTRIBUTION: **Afrotropical**: Mali.

gorodkovi

Thyridanthrax gorodkovi Zaitzev, 1962a: 65. TYPE LOCALITY: Tajikistan [H in ZIS].

DISTRIBUTION: **Palaeartic**: Tajikistan.

heteropterus

Hemipenthes heteropterus Paramonov, 1927d: 180. TYPE LOCALITY: Armenia [2S in SIZK].

DISTRIBUTION: **Palaeartic**: Armenia.

hongoricus

Thyridanthrax hongoricus Zaitzev, 1974a: 330. TYPE LOCALITY: Mongolia [H in ZIS].

DISTRIBUTION: **Palaeartic**: Mongolia.

latipennis

Hemipenthes latipennis Paramonov, 1927c: 170. TYPE LOCALITY: Kazakhstan [H in SIZK].

DISTRIBUTION: **Palaeartic**: Kazakhstan.

latonus

Anthrax latona Wiedemann, 1828: 567. TYPE LOCALITY: “Nubien” [= Sudan] [H in SMFD].

DISTRIBUTION: **Afrotropical**: Sudan. **Palaeartic**: Egypt.

mervensis

Hemipenthes mervensis Paramonov, 1927d: 186. TYPE LOCALITY: Turkmenistan [16S in ZMUM; 2S in SIZK].

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

mesasiaticus

Thyridanthrax mesasiaticus Zaitzev, 1973: 297. TYPE LOCALITY: Kazakhstan [H in ZIS].

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

misellus

Anthrax misellus Loew, 1869b: 163. TYPE LOCALITY: Greece & “griechischen Inseln” [= Greece (Naxos) (from type specimen label data)] [2S in ZMHB*].

DISTRIBUTION: **Palaeartic**: Armenia, Azerbaijan, Egypt, Greece (incl. Naxos), Gruzia, Iran, Italy, Kyrgyz Republic, Libya, Tajikistan, Turkmenistan, Uzbekistan, Yugoslavia.

mongolicus

Thyridanthrax mongolicus Zaitzev, 1973: 295. TYPE LOCALITY: Mongolia [H in ZIS].

DISTRIBUTION: **Palaeartic**: Mongolia, Kazakhstan.

nitidifrons

Thyridanthrax nitidifrons Austen, 1936: 197. TYPE LOCALITY: Pakistan [H in BMNH*].

DISTRIBUTION: **Oriental**: Pakistan.

pallescens

Thyridanthrax pallescens Greathead, 1970: 109. TYPE LOCALITY: Chad [H in BMNH*].

DISTRIBUTION: **Afrotropical**: Chad.

perepelovi

Thyridanthrax perepelovi Zaitzev, 1974a: 331. TYPE LOCALITY: Mongolia [H in ZIS].

DISTRIBUTION: **Palaeartic**: Mongolia.

ravus

Thyridanthrax ravus Zaitzev, 1976a: 620. TYPE LOCALITY: “Turkmenia” [H in ZIS].

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

saffra

Veribubo saffra Greathead, 1981: 323. TYPE LOCALITY: Saudi Arabia [H in BMNH*].

DISTRIBUTION: **Palaeartic**: Saudi Arabia.

samarkandicus

Hemipenthes samarkandicus Paramonov, 1927d: 188. TYPE LOCALITY: Uzbekistan [H in SIZK].

DISTRIBUTION: **Palaeartic**: Kazakhstan, Uzbekistan.

saudensis

Thyridanthrax saudensis François, 1970b: 199. TYPE LOCALITY: Saudi Arabia [H in ZSMC].

DISTRIBUTION: **Palaeartic**: Saudi Arabia.

semifuscus

Thyridanthrax semifuscus Engel, 1936d: 549. TYPE LOCALITY: Egypt [H (destroyed) in ESEC (see Note 4)].

DISTRIBUTION: **Palaeartic**: Egypt, Saudi Arabia.

tabaninus

Thyridanthrax tabaninus Bezzi, 1925: 232. TYPE LOCALITY: Egypt [H (destroyed) in ESEC (see Note 4)].

Thyridanthrax arabicola François, 1970b: 195. TYPE LOCALITY: Saudi Arabia [H in ZSMC].

DISTRIBUTION: **Palaeartic**: Egypt, Saudi Arabia.

transcaspicus

Villa transcaspica Paramonov, 1924a: 137. TYPE LOCALITY: Turkmenistan [H in SIZK].

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

tsagani

Thyridanthrax tsagani Zaitzev, 1974a: 331. TYPE LOCALITY: Mongolia [H in ZIS].

DISTRIBUTION: **Palaeartic**: Mongolia.

uentshis

Thyridanthrax uentshis Zaitzev, 1974a: 325. TYPE LOCALITY: Mongolia [H in ZIS].

DISTRIBUTION: **Palaeartic**: Mongolia.

Genus **VERRALLITES** Cockerell

VERRALLITES[†] Cockerell, 1913: 231. Type species: *Verrallites cladurus* Cockerell, 1913, by monotypy.

VENALLITES, incorrect original spelling of *Verrallites* (Cockerell, 1913: 230, 231).

cladurus[†]

Verrallites cladurus Cockerell, 1913: 231. TYPE LOCALITY: USA (Colorado) (Oligocene) [C] [H in UCGC*].

DISTRIBUTION: **Nearctic**: USA (Colorado) (Oligocene).

Genus **VILLA** Lioy

VILLA Lioy, 1864: 732. Type species: *Anthrax concinna* Meigen, 1820 [= *Anthrax abbadon* Fabricius, 1794], by subsequent designation (Coquillett, 1910b: 619).

HYALANTHRAX Osten Sacken, 1886b: 112 [1887a: 134] (as subgenus of *Anthrax* Sco-

poli). Type species: *Anthrax faustina* Osten Sacken, 1887, by subsequent designation (Coquillett, 1910b: 553).

ASPILOPTERA Künckel d'Hercule, 1905: 145. Type species: *Anthrax flava* Meigen, 1820 [= *Musca hottentotta* Linnaeus, 1758], by monotypy.

PROTEPACMUS[†] Cockerell, 1916: 94. Type species: *Protepacmus setosus* Cockerell, 1916, by monotypy.

abbadon

Anthrax abbadon Fabricius, 1794: 262. TYPE LOCALITY: "Italia" [probably = Italy] [1S in ZMUC].

Anthrax concinna Meigen, 1820: 147. TYPE LOCALITY: France [L designated by Evenhuis & Greathead (1999: 646) in MNHN*].

DISTRIBUTION: **Palaeartic:** Algeria, Armenia, Azerbaijan, Croatia, France, Greece (incl. Corfu, Ithaca), Gruzia, Iran, Italy, Lebanon, Spain, Syria, Turkmenistan, Yugoslavia.

abeilla

Anthrax antecedens Walker, 1859: 111. TYPE LOCALITY: Indonesia (Sulawesi) [H in BMNH*]. [Preoccupied by Walker, 1852.]

Villa abeilla Hull, 1973: 374 (new replacement name for *Anthrax antecedens* Walker, 1859).

DISTRIBUTION: **Australasian/Oceanian:** Indonesia (Maluku). **Oriental:** Indonesia (Sulawesi), Philippines.

adusta

Anthrax adusta Loew, 1869c: 26 [1872c: 140]. TYPE LOCALITY: Cuba [2S in MCZ*].

DISTRIBUTION: **Nearctic:** USA (Florida). **Neotropical:** Cuba, Puerto Rico.

aenea

Anthrax aenea Coquillett, 1887c: 165. TYPE LOCALITY: USA (California) [L designated by Evenhuis & Greathead (1999: 643) in USNM*].

DISTRIBUTION: **Nearctic:** USA (Arizona, California, Kansas, Nevada, New Mexico, Texas, Utah).

agrippina

Anthrax agrippina Osten Sacken, 1887a: 139. TYPE LOCALITY: Mexico (Sonora) [L designated by Painter & Painter (1962: 84) in BMNH*].

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

albicincta

Villa albicincta Cole, 1923: 297. TYPE LOCALITY: Mexico (Sonora) [H in CAS].

DISTRIBUTION: **Nearctic:** Mexico (Baja California Sur, Sonora), USA (Arizona).

albicollaris

Villa albicollaris Cole, 1923: 296. TYPE LOCALITY: Mexico (Baja California Sur) [H in CAS].

DISTRIBUTION: **Nearctic:** Mexico (Baja California Sur).

albida

Villa albida Becker, 1916: 28. TYPE LOCALITY: Hungary [H in ZMHB*].

DISTRIBUTION: **Palaeartic:** Hungary, Italy.

albissima

Anthrax caloptera Philippi, 1865: 670. TYPE LOCALITY: Chile [T (lost?) in MNNC (see Note 22)]. [Preoccupied by Pallas, 1818.]

Anthrax quadricincta Philippi, 1865: 667. TYPE LOCALITY: Chile [T (lost?) in MNNC (see Note 22)]. [Preoccupied by Rondani, 1863.]

Villa albissima Oldroyd, 1938: 91. TYPE LOCALITY: Chile [H in BMNH*].
DISTRIBUTION: **Neotropical**: Chile.

albiventris

Villa albiventris Frey, 1936: 51. TYPE LOCALITY: Canary Is [H in MZHF].
DISTRIBUTION: **Palearctic**: Canary Is.

albobasalis

Villa albobasalis Roberts, 1928a: 127. TYPE LOCALITY: Australia (Queensland) [H in QM].
DISTRIBUTION: **Australasian/Oceanian**: Australia (Queensland).

albovittata

Anthrax albovittata Macquart, 1850: 417(113). TYPE LOCALITY: “Amérique septentrionale” [T (lost?) in MNVL].
DISTRIBUTION: **Nearctic**: “Amérique septentrionale”.

aldabrae

Villa aldabrae Greathead, 1976: 248. TYPE LOCALITY: Aldabra [H in BMNH*].
DISTRIBUTION: **Afrotropical**: Aldabra, Assumption I.

alterna

Anthrax alterna Walker, 1849: 261. TYPE LOCALITY: “New Holland” [= Australia] [T (lost) in BMNH (see Hardy, 1924: 76)].

Anthrax alternans Macquart, 1850: 414(110). TYPE LOCALITY: “Tasmanie” [error, = Australia (NSW) (see Hardy, 1929: 61)] [L designated by Evenhuis & Greathead (1999: 644) in MNHN*].

Anthrax albirufa Walker, 1857: 143. TYPE LOCALITY: “Australia” [H in BMNH*].
DISTRIBUTION: **Australasian/Oceanian**: Australia (NSW, Queensland).

alternata

Anthrax alternata Say, 1823: 45. TYPE LOCALITY: USA (Missouri & Pennsylvania) [S (destroyed) in ANSP (see Note 25)].

Anthrax bastardi Macquart, 1840: 60 [1841: 338]. TYPE LOCALITY: “Amérique du Nord” [3S in BMNH*].

Anthrax consanguinea Macquart, 1840: 69 [1841: 347]. TYPE LOCALITY: USA (Pennsylvania) [1S in BMNH*; 1S in MNHN*].

Anthrax albipecta Macquart, 1848: 194(34). TYPE LOCALITY: “Amérique septentrionale” [T in UNKN (originally in Hoffmeister Collection)].

DISTRIBUTION: **Nearctic**: USA (Connecticut, Delaware, Indiana, Kentucky, Maine, Missouri, Massachusetts, New Hampshire, New Jersey, New York, Ohio, Pennsylvania, Vermont, Virginia, West Virginia).

amasia

Anthrax amasia Wiedemann, 1828: 317. TYPE LOCALITY: “Montivideo in Brasilien” [= Uruguay] [1S in NMW].

Anthrax vicina Macquart, 1840: 75 [1841: 353]. TYPE LOCALITY: “Brésil, depuis l’embouchure de l’Uruguay jusqu’aux Missions” [error, = Brazil (Minas Gerais) (from type specimen label data)] [H in MNHN*].

DISTRIBUTION: **Neotropical**: Argentina, Brazil (Minas Gerais), Uruguay.

ambigua

Anthrax ambigua Lynch Arribálzaga, 1878: 268. TYPE LOCALITY: Argentina [T in MACN].

DISTRIBUTION: **Neotropical**: Argentina.

andamanensis

Villa andamanensis Bhalla, Grewel & Kapoor, 1991: 20. TYPE LOCALITY: India (Andaman Is) [H in INPC].

DISTRIBUTION: **Oriental**: India (Andaman Is).

angularis

Anthrax angularis Thomson, 1869: 482. TYPE LOCALITY: Australia (NSW) [H in NHRS].

DISTRIBUTION: **Australasian/Oceanian**: Australia (NSW, NT, Queensland, SA, WA).

anthophoroides

Villa anthophoroides Hesse, 1956b: 504. TYPE LOCALITY: South Africa (Northern Cape) [4S in SAMC].

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

aperta

Anthrax aperta Walker, 1852: 180. TYPE LOCALITY: "East India" [= India] [H in BMNH*].

DISTRIBUTION: **Oriental**: India (Arunchal Pradesh, Assam, Himachal Pradesh, Meghalaya, Uttar Pradesh).

apicifera

Anthrax apicifera Walker, 1865: 111. TYPE LOCALITY: "New Guinea" [= Indonesia (Irian Jaya)] [T in UNKN].

DISTRIBUTION: **Australasian/Oceanian**: Indonesia (Irian Jaya).

apiformis

Villa apiformis Hesse, 1956b: 503. TYPE LOCALITY: South Africa (Northern Cape) [2S in SAMC].

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

apparens

Anthrax apparens Walker, 1852: 180. TYPE LOCALITY: "Cape" [= South Africa (Western Cape)] [H in BMNH*].

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

approximata

Anthrax approximata Brunetti, 1917: 74. TYPE LOCALITY: India (Himachal Pradesh) [H in NZSI].

DISTRIBUTION: **Oriental**: India (Assam, Bihar, Himachal Pradesh, Meghalaya, West Bengal), Sri Lanka.

aprica

Villa aprica Roberts, 1928a: 122. TYPE LOCALITY: Australia (NSW) [H (lost?) in MAMU].

DISTRIBUTION: **Australasian/Oceanian**: Australia (NSW).

aquila

Villa aquila Hall, 1976a: 188. TYPE LOCALITY: Chile [H in MEUC*].

DISTRIBUTION: **Neotropical**: Chile.

arenicola

Anthrax lateralis ssp. *arenicola* Johnson, 1908: 15. TYPE LOCALITY: USA (New Jer-

sey) [L designated by Hall *in* Evenhuis (1982b: 4) in MCZ*].

DISTRIBUTION: **Nearctic**: USA (Massachusetts, Nevada, New Jersey, Utah, Washington, Wyoming).

argentiflua

Anthrax argentiflua Philippi, 1865: 668. TYPE LOCALITY: Chile [N designated by Hall (1976a: 190) in MEUC*].

DISTRIBUTION: **Neotropical**: Chile.

argentina

Villa argentina Bezzi, 1921a: 128. TYPE LOCALITY: South Africa (Western Cape) [H in SAMC].

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

argentipennis

Anthrax argentipennis White, 1916: 212. TYPE LOCALITY: Australia (Queensland) [3S in BMNH*].

DISTRIBUTION: **Australasian/Oceanian**: Australia (Queensland).

ariditata

Villa ariditata Cole, 1923: 295. TYPE LOCALITY: Mexico (Baja California Norte) [H in CAS].

DISTRIBUTION: **Nearctic**: Mexico (Baja California Sur, Baja California Norte, Sonora).

aspiculata

Villa aspiculata Hesse, 1956b: 497. TYPE LOCALITY: South Africa (Western Cape) [3S in SAMC].

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

atra

Villa lateralis var. *atra* Painter, 1926b: 209. TYPE LOCALITY: USA (New Jersey) [H in USNM*].

DISTRIBUTION: **Nearctic**: Canada (Ontario), USA (Alabama, Arkansas, Georgia, Illinois, Indiana, Iowa, Kansas, Kentucky, Louisiana, Michigan, Minnesota, Mississippi, Missouri, Nebraska, New Jersey, New Mexico, Oklahoma, Oregon, South Dakota, Tennessee).

atricauda

Villa atricauda Austen, 1937: 137. TYPE LOCALITY: Israel [H in BMNH*].

DISTRIBUTION: **Palearctic**: Israel, Syria.

atrisquama

Villa atrisquama Bezzi, 1924a: 187. TYPE LOCALITY: “Abyssinia” [= Ethiopia] [7S in BMNH*].

DISTRIBUTION: **Afrotropical**: Ethiopia, Kenya.

aureohirta

Villa aureohirta Brunetti, 1909a: 223 (as “*aureo-hirta*”). TYPE LOCALITY: India (West Bengal) [H in NZSI].

DISTRIBUTION: **Oriental**: India (West Bengal).

aurepilosa

Villa aurepilosa Du & Yang, 1990: 285. TYPE LOCALITY: China (Liaoning) [H in

CAU].

DISTRIBUTION: **Palaeartic**: China (Liaoning).**aurocincta***Anthrax aurocinctus* Bigot, 1892: 354. TYPE LOCALITY: “Sénégal” [= Gambia or Senegal] [H in BMNH*].DISTRIBUTION: **Afrotropical**: Senegal.**baluchiana***Anthrax baluchianus* Brunetti, 1920: 250. TYPE LOCALITY: “Baluchistan” [= Pakistan] [H in NZSI].DISTRIBUTION: **Oriental**: India (Kashmir), Pakistan.**barbiventris***Anthrax barbiventris* Rondani, 1868: 36. TYPE LOCALITY: Argentina [H in MZUF].DISTRIBUTION: **Neotropical**: Argentina.**belanovskyi***Villa leucopyga* Belanovsky, 1950: 137. TYPE LOCALITY: Tajikistan [H in SIZK]. [Preoccupied by Macquart, 1840.]*Villa belanovskyi* Evenhuis & Greathead, 1999: 490 (new replacement name for *Villa leucopyga* Belanovsky, 1950).DISTRIBUTION: **Palaeartic**: Tajikistan.**bicingulata***Anthrax bicingulata* Macquart, 1840: 72 [1841: 350]. TYPE LOCALITY: Greece (Naxos) [L designated by Evenhuis & Greathead (1999: 645) in MNHN*].DISTRIBUTION: **Palaeartic**: Greece (incl. Naxos).**bigoti***Villa bigoti* Hall, 1976a: 191. TYPE LOCALITY: Chile [H in MEUC*].DISTRIBUTION: **Neotropical**: Chile.**bivirgata***Villa bivirgata* Austen, 1937: 137. TYPE LOCALITY: Israel [H in BMNH*].DISTRIBUTION: **Afrotropical**: Yemen. **Palaeartic**: Israel, Saudi Arabia, Syria.**bizonata***Villa bizonata* Becker, 1916: 29. TYPE LOCALITY: Turkey [H (destroyed) in HNHM (see Note 9)].DISTRIBUTION: **Palaeartic**: Turkey.**bombiformis***Villa bombiformis* Becker, 1916: 29. TYPE LOCALITY: Turkey [H in ZSMC].DISTRIBUTION: **Palaeartic**: Turkey.**bravae***Villa bravae* Bezzi, 1920: 107. TYPE LOCALITY: Cape Verde Is [2S in MCSN].DISTRIBUTION: **Afrotropical**: Cape Verde Is.**brunettii***Anthrax hottentotta* var. *claripennis* Brunetti, 1909a: 452. TYPE LOCALITY: India (Uttar Pradesh) [H in NZSI]. [Preoccupied by Kowarz, 1868.]*Villa brunettii* Evenhuis & Greathead, 1999: 490 (new replacement name for *Anthrax claripennis* Brunetti, 1909).DISTRIBUTION: **Oriental**: India (Uttar Pradesh), Pakistan.

brunnea

Villa brunnea Becker, 1916: 30. TYPE LOCALITY: Greece & “Kl.-Asien” [= Turkey] [1S (destroyed) in HNHM (see Note 9); 1S in ZSMC].

DISTRIBUTION: **Palaeartic**: Armenia, Azerbaijan, Bulgaria, Croatia, Cyprus, France (incl. Corsica), Greece, Iran, Gruzia, Italy (incl. Sicily), Moldova, Russia (SET), Spain, Turkey, Ukraine, Yugoslavia.

camposi

Villa camposi Hall, 1976a: 263. TYPE LOCALITY: Chile [H in MEUC*].

DISTRIBUTION: **Neotropical**: Chile.

cana

Anthrax cana Meigen, 1804: 201. TYPE LOCALITY: France [T in UNKN].

Anthrax 5-fasciata Pallas in Wiedemann, 1818a: 14. *Nomen nudum*.

Anthrax quinquefasciata Wiedemann in Meigen, 1820: 150. TYPE LOCALITY: “Süd-russland” [T in UNKN].

Anthrax blandus Loew, 1869b: 181. TYPE LOCALITY: “Makri” [= Greece] [H in ZMHB*].

Villa inquieta Becker, 1916: 35. TYPE LOCALITY: France (Corsica) [4S in ZMHB*].

Villa mus Becker, 1916: 36. TYPE LOCALITY: Armenia [H in ZSMC].

DISTRIBUTION: **Palaeartic**: Afghanistan, Algeria, Armenia, Austria, Azerbaijan, Bulgaria, Croatia, Czech Republic, Egypt, France (incl. Corsica), Greece, Gruzia, Iran, Italy (incl. Sicily), Kazakhstan, Libya, Macedonia, Malta, Moldova, Romania, Russia (SET), Slovenia, Spain, Switzerland, Tajikistan, Tunisia, Turkey, Turkmenistan, Ukraine, Yugoslavia.

candidata

Villa candidata Bezzi, 1924a: 188. TYPE LOCALITY: Sierra Leone [H in BMNH*].

DISTRIBUTION: **Afrotropical**: Sierra Leone.

castellana

Anthrax niphobleta var. *castellana* Strobl in Czerny & Strobl, 1909: 146. TYPE LOCALITY: Spain [H in NMBA].

DISTRIBUTION: **Palaeartic**: Spain.

ceballosi

Villa ceballosi Andréu Rubio, 1959: 17. TYPE LOCALITY: Morocco [3S in MNCN].

DISTRIBUTION: **Palaeartic**: Italy (incl. Sicily), Morocco, Spain.

chionalis

Villa chionalis Hesse, 1956b: 508. TYPE LOCALITY: South Africa (Western Cape) [3S in SAMC*; 1S in BPBM*].

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

chorassani

Hemipenthes chorassani Becker & Stein, 1912: 604. *Nomen nudum*.

Hemipenthes chorassani Becker in Becker & Stein, 1913a: 553. TYPE LOCALITY: “Chorassan” [= Iran] [L designated by Zaitzev (1972d: 907) in ZIS].

DISTRIBUTION: **Palaeartic**: Afghanistan, Armenia, Azerbaijan, Gruzia, Iran, Turkmenistan.

chromolepida

Villa chromolepida Cole, 1922: 21. TYPE LOCALITY: USA (California) [H in CAS].

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

chrysothrix

Villa chrysothrix Bezzi, 1924a: 186. TYPE LOCALITY: "N.-W. Rhodesia" [= Zambia] [H in BMNH*].

DISTRIBUTION: **Afrotropical**: Zambia.

cingulata

Anthrax cingulata Meigen, 1804: 199. TYPE LOCALITY: Not given [= France, Germany, or Italy (see Meigen, 1818: x)] [1S in MNHN*; 1S in ZMHB*].

DISTRIBUTION: **Palaeartic**: Afghanistan, Albania, Armenia, Austria, Azerbaijan, Belgium, Bosnia-Herzegovina, Croatia, Czech Republic, Finland, France, Germany, Greece, Gruzia, Hungary, Iran, Italy (incl. Sardinia, Sicily), Luxemburg, Macedonia, Moldova, Netherlands, Poland, Portugal, Romania, Russia (SET), Slovakia, Slovenia, Spain, Sweden, Switzerland, UK (Great Britain), Ukraine, Yugoslavia.

cingulum

Anthrax cingulum Wiedemann in Meigen, 1820: 152. TYPE LOCALITY: Portugal [2S in ZMHB*].

DISTRIBUTION: **Palaeartic**: Armenia, Azerbaijan, Belgium, France, Greece, Gruzia, Italy (incl. Sicily), Portugal, Spain, Yugoslavia.

clara

Anthrax clara Walker, 1852: 179. TYPE LOCALITY: "East India" [= India] [H in BMNH*].

DISTRIBUTION: **Oriental**: India (Assam, Uttar Pradesh).

claripennis

Anthrax claripennis Kowarz, 1868: 324. TYPE LOCALITY: Slovakia [L designated by Evenhuis & Greathead (1999: 646) in UMO*].

DISTRIBUTION: **Palaeartic**: Armenia, Austria, Azerbaijan, Bosnia-Herzegovina, Croatia, Czech Republic, France, Greece, Gruzia, Hungary, Italy (incl. Sicily), Kazakhstan, Moldova, Poland, Romania, Russia (SET), Slovakia, Spain, Ukraine.

clarissima

Anthrax clarissima Loew, 1857b: 80. TYPE LOCALITY: "Syrien" [= Syria or Lebanon] & Cyprus [1S in ZMHB*].

Anthrax cyprigna Rondani, 1863: 64 [1864: 64]. TYPE LOCALITY: Cyprus [H in MZUN].

Villa noscibilis Austen, 1937: 141. TYPE LOCALITY: Israel [H in BMNH*].

DISTRIBUTION: **Palaeartic**: Armenia, Azerbaijan, Bulgaria, Cyprus, Greece, Gruzia, Israel, Italy (incl. Sicily), Libya, Syria, Yugoslavia.

clausa

Anthrax clausa Brunetti, 1909a: 454, 477. TYPE LOCALITY: "Lower Burma" [= Myanmar] [H in NZSI].

DISTRIBUTION: **Oriental**: Myanmar.

colombiana

Anthrax vicina Macquart, 1846: 240(112). TYPE LOCALITY: "Colombie" [= Colombia,

Ecuador, or Venezuela] [T (lost?) in MNHN]. [Preoccupied by Macquart, 1840.]
Villa colombiana Evenhuis & Greathead, 1999: 492 (new replacement name for
Anthrax vicina Macquart, 1846).

DISTRIBUTION: **Neotropical**: Colombia.

commista

Anthrax commista Macquart, 1850: 413(109). TYPE LOCALITY: “Nouvelle-Hollande,
côte orientale” [probably = Australia (NSW)] [H in MNHN*].

DISTRIBUTION: **Australasian/Oceanian**: Australia (NSW).

congrua

Anthrax congrua Walker, 1852: 186. TYPE LOCALITY: Not given [= unknown] [H
(lost) in BMNH (J.E. Chainey, pers. comm.)].

DISTRIBUTION: **Patria Ignota**: Unknown.

connexa

Anthrax connexa Macquart, 1855: 96(76). TYPE LOCALITY: USA (Maryland) [1S in
BMNH*; 1S in MNHN].

DISTRIBUTION: **Nearctic**: USA (Maryland). **Neotropical**: ?Cuba.

consessor

Anthrax consessor Coquillett, 1887c: 165. TYPE LOCALITY: USA (California) [L des-
ignated by Evenhuis & Greathead (1999: 646) in USNM*].

DISTRIBUTION: **Nearctic**: Canada (British Columbia), USA (Arizona, California,
Colorado, Kansas, New Mexico, Utah).

consimilis

Anthrax consimilis Thomson, 1869: 481. TYPE LOCALITY: Australia (NSW) [H in
NHRS].

DISTRIBUTION: **Australasian/Oceanian**: Australia (NSW).

costata

Anthrax costata Say, 1824: 373. TYPE LOCALITY: USA (“Northwest Territory”) [T
(destroyed) in ANSP (see Note 25)].

DISTRIBUTION: **Nearctic**: USA (“Northwest Territory”).

curvirostra

Anthrax curvirostra Thomson, 1869: 483. TYPE LOCALITY: Galapagos Is [H in
NHRS].

DISTRIBUTION: **Neotropical**: Galapagos Is.

delicata

Villa delicata Bowden, 1962b: 54. TYPE LOCALITY: Congo [H in MRAC].

DISTRIBUTION: **Afrotropical**: Congo.

deludens

Villa deludens François, 1966a: 182. TYPE LOCALITY: Greece [H in KBIN*].

DISTRIBUTION: **Palaeartic**: Czech Republic, France, Greece, Italy, Slovakia,
Turkey, Yugoslavia.

detecta

Anthrax detecta Walker, 1852: 181. TYPE LOCALITY: “South America” [H in BMNH*].

Anthrax bipenicillatus Bigot, 1892: 357. TYPE LOCALITY: Chile [H in BMNH*].

DISTRIBUTION: **Neotropical**: Chile, Peru.

dia

Anthrax dia Wiedemann, 1824: 23. TYPE LOCALITY: “Tranquebar” [= India (Tamil Nadu)] [H in ZMUC].

DISTRIBUTION: **Oriental**: India (Tamil Nadu).

diminutiva

Anthrax diminutiva Macquart, 1846: 241(113). TYPE LOCALITY: “Colombie” [= Colombia, Ecuador, or Venezuela] [H in MNHN*].

DISTRIBUTION: **Neotropical**: Colombia.

dioscoridae

Villa dioscoridae Greathead, 1969: 73. TYPE LOCALITY: Yemen (Socotra) [H in BMNH*].

DISTRIBUTION: **Afrotropical**: Yemen (Abd-el-Kuri, Socotra).

disparilis

Villa disparilis Bowden, 1964a: 100. TYPE LOCALITY: Ghana [H in JB].

DISTRIBUTION: **Afrotropical**: Ghana.

distincta

Anthrax distincta Meigen in Waltl, 1835: 111 [1838: 63]. TYPE LOCALITY: Spain [H in MNHN*].

DISTRIBUTION: **Palearctic**: Algeria, France (incl. Corsica), Greece, Italy, Morocco, Spain.

dizona

Anthrax dizona Loew, 1860a: 90 [1860b: 288; 1860c: 216]. TYPE LOCALITY: “Cap. B. Sp.” [= South Africa (Western Cape)] [H in ZMHB*].

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

doriae

Villa doriae Bezzi, 1922b: 108. TYPE LOCALITY: Tunisia [H in MCSN].

DISTRIBUTION: **Palearctic**: Tunisia.

dubia

Anthrax dubia Macquart, 1840: 73 [1841: 351]. TYPE LOCALITY: “Du Cap” [= South Africa (Western Cape)] [H in MNHN*].

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

duplex

Anthrax congrua Walker, 1859: 112. TYPE LOCALITY: Indonesia (Sulawesi) [H in BMNH*]. [Preoccupied by Walker, 1852.]

Villa duplex Bowden, 1975b: 177 (new replacement name for *Anthrax congrua* Walker, 1859).

DISTRIBUTION: **Oriental**: Indonesia (Sulawesi).

eucnemis

Villa eucnemis François, 1961a: 36. *Nomen nudum*.

Villa eucnemis François, 1961b: 118. TYPE LOCALITY: Burundi [H in KBIN*].

DISTRIBUTION: **Afrotropical**: Burundi.

euzona

Anthrax euzonus Loew, 1869b: 184. TYPE LOCALITY: Spain [2S in ZMHB*].

DISTRIBUTION: **Palearctic**: France, Italy (incl. Sicily), Spain.

fallax

Villa fallax Austen, 1937: 139. TYPE LOCALITY: Israel [H in BMNH*].

DISTRIBUTION: **Palaeartic**: Israel, Syria.

fasciata

Anthrax fasciata Meigen, 1804: 200. TYPE LOCALITY: France [T in UNKN].

Anthrax circumdata Meigen, 1820: 143 (unjustified new replacement name for *Anthrax fasciata* Meigen, 1804) [L designated by Lyneborg (1965: 163) in MNHN unnecessary].

Anthrax venusta Meigen, 1820: 145. TYPE LOCALITY: “Vaterland mir unbekannt, wahrscheinlich aber das südliche Frankreich” [= ?France] [H in MNHN*].

Anthrax margaritifera Dufour, 1833: 214 [1836: 470]. TYPE LOCALITY: Spain [T (lost) in MNHN].

Anthrax dolosa Jaenicke, 1867a: 65. TYPE LOCALITY: “Gallia mer.” [= France] & “Hispania” [= Spain] [1S in SMFD; 2S in ZMHB*].

Anthrax stoechades Jaenicke, 1867a: 66. TYPE LOCALITY: France [T (lost) in SMFD].

Anthrax turbidus Loew, 1869b: 176. TYPE LOCALITY: “Andalusien” [= Spain] [3S in ZMHB*].

Anthrax circumdata var. *alisprorsushyalinus* Strobl in Czerny & Strobl, 1909: 146 (as “*alis prorsus hyalinus*”). TYPE LOCALITY: Spain [T in NMBA]. [Name deemed valid by virtue of Art. 31(d)(i) of the I.Z.C.N. Code.]

Anthrax circumdata var. *fulvamaculatus* Santos Abreu, 1926: 51(11). TYPE LOCALITY: Canary Is [S in MABC].

Villa circumdata ssp. *algeciras* Strobl in Hull, 1973: 373. *Nomen nudum*.

DISTRIBUTION: **Palaeartic**: Algeria, Armenia, Austria, Azerbaijan, Belgium, Bosnia-Hercegovina, Bulgaria, Canary Is, China, Croatia, Czech Republic, Denmark, Egypt, Finland, France, Greece, Gruzia, Hungary, Iran, Italy (incl. Sardinia, Sicily), Kazakhstan, Libya, Macedonia, Moldova, Mongolia, Morocco, Poland, Romania, Russia (SET), Slovakia, Slovenia, Spain (incl. Mallorca), Sweden, Switzerland, Syria, Tajikistan, Tunisia, Turkey, Turkmenistan, Ukraine, UK (Great Britain), Yugoslavia.

fasciculata

Villa fasciculata Becker, 1916: 33. TYPE LOCALITY: Greece [H in ZSMC].

Villa orientalis Zaitzev, 1966b: 356. TYPE LOCALITY: Gruzia [H in ZIS].

DISTRIBUTION: **Palaeartic**: Armenia, Azerbaijan, Cyprus, France, Greece (incl. Corfu, Lesbos, Zakynthos), Gruzia, Hungary, Italy (incl. Sicily), Kazakhstan, Moldova, Mongolia, Russia (SET), Spain, Turkmenistan, Ukraine, Uzbekistan.

fasciventris

Anthrax fasciventris Macquart in Lucas, 1849: 459. TYPE LOCALITY: Algeria [1S in MNHN*].

DISTRIBUTION: **Palaeartic**: Algeria.

fauna

Anthrax fauna Fabricius, 1805: 126. TYPE LOCALITY: “Insulis Americae meridionalis” [= U.S. Virgin Is] [3S in ZMHB*; 4S in ZMUC; ?4S in SMFD].

DISTRIBUTION: **Neotropical**: Bahamas, British Virgin Is, Cuba, Puerto Rico, U.S. Virgin Is.

festiva

Anthrax albifacies Rondani, 1863: 63 [1864: 63]. TYPE LOCALITY: Chile [H in MZUN]. [Preoccupied by Macquart, 1840.]

Anthrax festiva Philippi, 1865: 668. TYPE LOCALITY: Chile [N designated by Hall (1976a: 196) in MEUC*].

Anthrax calvescens Philippi, 1865: 673. TYPE LOCALITY: Chile [T (lost?) in MNNC (see Note 22)].

DISTRIBUTION: **Neotropical**: Chile.

flicornis

Anthrax flicornis Hesse, 1956b: 488. TYPE LOCALITY: South Africa (Western Cape) [H in SAMC].

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

fissa

Anthrax fissus Bigot, 1892: 354. TYPE LOCALITY: “Amérique du nord” [H in BMNH*].

DISTRIBUTION: **Nearctic**: “Amérique du nord”.

flavalis

Anthrax flavalis Hesse, 1956b: 499. TYPE LOCALITY: South Africa (Western Cape) [H in SAMC].

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

flaveola

Anthrax flaveola Macquart, 1850: 413(109). TYPE LOCALITY: “Nouvelle-Hollande, côte orientale” [probably = Australia (NSW)] [H in MNHN*].

flaviata, incorrect original spelling of *flaveola* [Macquart, 1850: 473(169)].

DISTRIBUTION: **Australasian/Oceanian**: Australia (NSW).

flavicincta

Villa flavicincta Cole, 1923: 298. TYPE LOCALITY: Mexico (Sonora) [H in CAS].

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

flavicrura

Villa flavicrura Hall, 1976a: 197. TYPE LOCALITY: Chile [L designated by Evenhuis & Greathead (1999: 671) in USNM*].

DISTRIBUTION: **Neotropical**: Chile.

flavipes

Anthrax flavipes Loew, 1860a: 90 [1860b: 287; 1860c: 215]. TYPE LOCALITY: “Caffraria” [= South Africa (Eastern Cape)] [1S in ZMHB*; 1S in NHRS].

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

flavocostalis

Villa flavocostalis Painter, 1926b: 210. TYPE LOCALITY: USA (Texas) [H in USNM*].

DISTRIBUTION: **Nearctic**: USA (Colorado, Texas).

fletcheri

Anthrax fletcheri Brunetti, 1920: 236. TYPE LOCALITY: “Mysore” [= India (Karnataka)] [H in BMNH*].

Anthrax guttatipennis Brunetti, 1920: 237. TYPE LOCALITY: “Ceylon” [= Sri Lanka] [H in BMNH*].

DISTRIBUTION: **Oriental**: India (Karnataka), Sri Lanka.

fucata

Villa fucata Hall, 1976a: 198. TYPE LOCALITY: Chile [H in MEUC*].

DISTRIBUTION: **Neotropical**: Chile.

fulviana

Anthrax fulviana Say, 1824: 372. TYPE LOCALITY: USA (“Northwest territory”) [T (destroyed) in ANSP (see Note 25)].

DISTRIBUTION: **Nearctic**: Canada (Alberta, British Columbia, Manitoba, New Brunswick, Nova Scotia, Ontario, Quebec, Saskatchewan), USA (Arizona, California, Colorado, Idaho, Iowa, Maine, Michigan, Minnesota, Montana, Nebraska, Nevada, New Hampshire, New Mexico, New York, North Dakota, Oregon, South Dakota, Utah, Vermont, Washington, Wisconsin, Wyoming).

fulvipeda

Anthrax fulvipeda Rondani, 1863: 63 [1864: 63]. TYPE LOCALITY: Chile [H in MZUN].

Anthrax vulpecula Philippi, 1865: 668. TYPE LOCALITY: Chile [T (lost?) in MNNC (see Note 22)].

Anthrax bipartita Jaenicke, 1867b: 338 [1868: 30]. TYPE LOCALITY: Chile [3S in SMFD].

Anthrax fulvipes Kertész, 1909: 38 (unjustified emendation of *Anthrax fulvipeda* Rondani, 1863). [Preoccupied by Loew, 1860.]

DISTRIBUTION: **Neotropical**: Chile.

fulvipleura

Villa fulvipleura Hesse, 1956b: 489. TYPE LOCALITY: South Africa (KwaZulu-Natal) [H in SAMC].

DISTRIBUTION: **Afrotropical**: South Africa (KwaZulu-Natal), Zimbabwe.

fumea

Villa fumea Roberts, 1928a: 127. TYPE LOCALITY: Australia (NSW) [H (lost?) in MAMU].

DISTRIBUTION: **Australasian/Oceanian**: Australia (NSW).

fumicosta

Villa fumicosta Painter in Painter & Painter, 1962: 106. TYPE LOCALITY: USA (Florida) [H in USNM*].

DISTRIBUTION: **Nearctic**: Mexico (Coahuila de Zaragoza), USA (Florida, Georgia, Ohio, Texas).

fumipennis

Anthrax fumipennis Wiedemann, 1828: 267. TYPE LOCALITY: “Vaterland?” [= unknown] [T (lost) in ZMHB].

DISTRIBUTION: **Patria Ignota**: Unknown.

fuscicostata

Anthrax fuscicostata Macquart, 1846: 239(111). TYPE LOCALITY: Australia (Tasmania) [L designated by Bowden (1971c: 306) in MNHN*].

Anthrax marginata Walker, 1852: 178. TYPE LOCALITY: “Van Diemen’s Land” [= Australia (Tasmania)] [L designated by Evenhuis & Greathead (1999: 649) in BMNH*].

DISTRIBUTION: **Australasian/Oceanian**: Australia (NSW, Queensland, Tasmania, Victoria).

fuscolimbata

Anthrax fuscolimbata Brunetti, 1917: 75. TYPE LOCALITY: India (Himachal Pradesh) [3S in NZSI].

DISTRIBUTION: **Oriental**: India (Himachal Pradesh, Tamil Nadu, Uttar Pradesh).

galla

Villa galla Greathead, 1967: 255. TYPE LOCALITY: Ethiopia [H in BMNH*].

DISTRIBUTION: **Afrotropical**: Chad, Eritrea, Ethiopia, Kenya, Niger. **Palae-
arctic**: Saudi Arabia.

gariiepina

Villa gariiepina Hesse, 1956b: 494. TYPE LOCALITY: South Africa (Northern Cape)
[7S in SAMC].

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

gemella

Anthrax gemella Coquillett, 1892c: 182. TYPE LOCALITY: USA (California) [H in
USNM*].

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

gooti

Villa gooti François, 1969d: 155. TYPE LOCALITY: Italy [H in ZMAN].

DISTRIBUTION: **Palaearctic**: Italy.

gracilis

Anthrax gracilis Macquart, 1840: 76 [1841: 354]. TYPE LOCALITY: USA (Pennsyl-
vania) [T in UNKN (originally in Serville Collection)].

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

guttapennis

Villa guttapennis Hall, 1976a: 201. TYPE LOCALITY: Chile [H in MEUC*].

DISTRIBUTION: **Neotropical**: Chile.

haesitans

Villa haesitans Becker, 1916: 33. TYPE LOCALITY: Greece & Turkey [S (destroyed) in
HNHM (see Note 9); 2S in ZMHB*; S in ZSMC].

DISTRIBUTION: **Palaearctic**: Armenia, Azerbaijan, Egypt, Greece, Gruzia, Iran,
Italy, Turkey.

halteralis

Anthrax halteralis Kowarz, 1883: 169. TYPE LOCALITY: "Böhmen" [= Czech Repub-
lic] [4S in UMO*].

DISTRIBUTION: **Palaearctic**: Armenia, Austria, Azerbaijan, Bulgaria, Canary Is,
Czech Republic, Finland, France, Germany, Greece, Gruzia, Hungary, Italy
(incl. Sicily), Moldova, Poland, Romania, Russia (SET), Slovakia, Spain,
Sweden, Switzerland, Ukraine.

handfordi

Villa handfordi Curran, 1935: 1. TYPE LOCALITY: Canada (Manitoba) [H in CNC*].

DISTRIBUTION: **Nearctic**: Canada (Manitoba).

harroyi

Villa harroyi François, 1961a: 36. *Nomen nudum*.

Villa harroyi François, 1961b: 122. TYPE LOCALITY: Burundi [H in KBIN*].

DISTRIBUTION: **Afrotropical**: Burundi.

harveyi

Anthrax harveyi Hine, 1904: 88. TYPE LOCALITY: Canada (British Columbia) [H in
OSUC].

DISTRIBUTION: **Nearctic**: Canada (British Columbia), USA (Colorado, Wash-
ington, Wyoming).

hermannloewi

Anthrax mucorea Loew, 1869c: 27 [1872c: 141]. TYPE LOCALITY: USA (Nebraska) [H in MCZ*]. [Preoccupied by Klug, 1832.]

Villa hermannloewi Evenhuis & Greathead, 1999: 498 (new replacement name for *Anthrax mucorea* Loew, 1869).

DISTRIBUTION: **Nearctic**: Canada (Alberta), USA (Arizona, Colorado, Nebraska, Wyoming).

hilarii

Anthrax hilarii Macquart, 1840: 75 [1841: 353]. TYPE LOCALITY: Brazil (Goiás) [L designated by Evenhuis & Greathead (1999: 647) in MNHN*].

DISTRIBUTION: **Neotropical**: Argentina, Brazil (Goiás).

hottentotta

Musca hottentotta Linnaeus, 1758: 590. TYPE LOCALITY: “Europa” [probably = Sweden] [2S in LSUK].

Nemotelvs primvs Schaeffer, 1766: pl. 12, fig. 10. [Unavailable; name proposed in a non-binominal work.]

Nemotelvs secvndvs Schaeffer, 1766: pl. 12, fig. 11. [Unavailable; name proposed in a non-binominal work.]

Nemotelvs tertivs Schaeffer, 1766: pl. 12, fig. 12. [Unavailable; name proposed in a non-binominal work.]

Anthrax flava Hoffmanssegg in Wiedemann, 1818a: 14. *Nomen nudum*.

Anthrax flava Meigen, 1820: 143. TYPE LOCALITY: France & “Deutschland” [= Germany] [1S in MNHN*; 4S in ZMHB*].

Villa suprema Becker, 1916: 40. TYPE LOCALITY: “Kleinasien” [= Greece, Syria, or Turkey] [2S in ZSMC].

Villa hottentotta var. *pamirica* Belanovsky, 1950: 138. TYPE LOCALITY: Tajikistan [2S in SIZK].

DISTRIBUTION: **Palearctic**: Afghanistan, Albania, Algeria, Andorra, Armenia, Austria, Azerbaijan, Belarus, Belgium, Bosnia-Herzegovina, Bulgaria, China, Croatia, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece (incl. Lesbos), Gruzia, Hungary, Ireland, Italy (incl. Sardinia, Sicily), Kyrgyz Republic, Latvia, Lithuania, Luxemburg, Macedonia, Malta, Moldova, Mongolia, Morocco, Netherlands, Norway, Poland, Portugal, Romania, Russia (CET, ES, NET, SET, WS), Slovakia, Slovenia, Spain, Sweden, Switzerland, Tajikistan, Tunisia, Turkey, Turkmenistan, Ukraine, UK (Great Britain, Northern Ireland), Uzbekistan, Yugoslavia.

hyalina

Anthrax hyalina Wiedemann, 1821b: 141. TYPE LOCALITY: Indonesia (Java) [2S in ZMUC].

DISTRIBUTION: **Oriental**: Indonesia (Java).

hyalinipennis

Anthrax hyalinipennis Blanchard, 1852: 382. TYPE LOCALITY: Chile [N designated by Hall (1976a: 204) in MEUC*].

DISTRIBUTION: **Neotropical**: Chile.

hybrida

Villa hybrida Hesse, 1956b: 490. TYPE LOCALITY: “Bechuanaland” [= Botswana] [H

in SAMC].

DISTRIBUTION: **Afrotropical**: Botswana, Namibia, South Africa (Free State, North-West Province).

hypomelas

Anthrax hypomelas Macquart, 1840: 76 [1841: 354]. TYPE LOCALITY: “Amérique septentrionale” [H in MNHN*].

DISTRIBUTION: **Nearctic**: Canada (Alberta, Manitoba, Ontario, Quebec, Saskatchewan), USA (Maine, Massachusetts, Michigan, Minnesota, Montana, New Hampshire, New York, North Carolina, North Dakota, Ohio, South Dakota, Vermont, Wisconsin).

inculta

Anthrax inculta Coquillett, 1892c: 181. TYPE LOCALITY: USA (California) [H in USNM*].

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

insignis

Villa insignis Austen, 1937: 133. TYPE LOCALITY: Israel [H in BMNH*].

DISTRIBUTION: **Palaearctic**: Israel, Syria.

ixion

Anthrax ixion Fabricius, 1794: 261. TYPE LOCALITY: “Italia” [probably = Italy] [L designated by François, 1969c: 155] in ZMUC].

Anthrax humilis Ruthe, 1831: 1216. TYPE LOCALITY: Germany [T in MDRG].

Anthrax mucida Zeller, 1840: 27. TYPE LOCALITY: Germany & Poland [1S in ZMHB*].

Anthrax albulus Loew, 1869b: 189. TYPE LOCALITY: Greece (Rhodes) & “Makri” [= Greece] [1S in UMO*; 7S in ZMHB*].

Villa quinta Becker, 1916: 39. TYPE LOCALITY: “Klein-Asien” [= Turkey] [H (destroyed) in HNHM (see Note 9)].

Anthrax pygarga Loew, 1869a: 382. TYPE LOCALITY: Turkey [11S in ZMHB*; 1S in NMW].

DISTRIBUTION: **Palaearctic**: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Egypt, France, Greece (incl. Corfu, Rhodes), Hungary, Iran, Italy, Libya, Macedonia, Moldova, Morocco, Poland, Romania, Russia (SET), Slovakia, Slovenia, Spain, Switzerland, Ukraine, Yugoslavia.

johnsoni

Villa lateralis var. *johnsoni* Painter, 1926b: 207. TYPE LOCALITY: USA (New York) [H in USNM*].

DISTRIBUTION: **Nearctic**: USA (Delaware, Maryland, New Jersey, New York, North Carolina, Pennsylvania, Virginia).

kaokoensis

Villa kaokoensis Hesse, 1956b: 505. TYPE LOCALITY: “South-West Africa” [= Namibia] [H in SAMC].

DISTRIBUTION: **Afrotropical**: Namibia.

karasana

Villa karasana Hesse, 1956b: 497. TYPE LOCALITY: “South-West Africa” [= Namibia] [H in SAMC].

DISTRIBUTION: **Afrotropical**: Namibia.

karoensis

Villa karoensis Hesse, 1956b: 482. TYPE LOCALITY: South Africa (Western Cape) [1S in BMNH*; 16S in SAMC].

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

kopanghatiensis

Villa kopanghatiensis Bhalla, Grewel & Kapoor, 1991: 21. TYPE LOCALITY: India (Andaman Is) [H in INPC].

DISTRIBUTION: **Oriental**: India (Andaman Is).

kuehlhorni

Villa kuehlhorni François, 1969d: 165. TYPE LOCALITY: Iran [H in ZSMC].

DISTRIBUTION: **Palaearctic**: Iran.

laevis

Villa laevis Becker, 1915a: 318. TYPE LOCALITY: Tunisia [7S (destroyed) in HNHM (see Note 9); 1S in ZMHB*].

Villa inconstans Becker, 1916: 34. TYPE LOCALITY: Tunisia [2S (destroyed) in HNHM (see Note 9)].

DISTRIBUTION: **Palaearctic**: Egypt, Morocco, Tunisia.

lasia

Anthrax lasia Wiedemann, 1824: 23. TYPE LOCALITY: “Prom. bon. sp.” [= South Africa (Western Cape)] [H in ZMUC].

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

lateralis

Anthrax lateralis Say, 1823: 42. TYPE LOCALITY: USA (Maryland & Pennsylvania) [S (destroyed) in ANSP (see Note 25); 1S in NMW].

Anthrax faustina Osten Sacken, 1887a: 136. TYPE LOCALITY: Mexico (Sonora) [L designated by Painter & Painter (1962: 108) in BMNH*].

Anthrax alternata var. *fulvipes* Coquillett, 1887c: 166. TYPE LOCALITY: USA (Arizona) [H in USNM*]. [Preoccupied by Loew, 1860.]

Villa lateralis ssp. *semifulvipes* Painter in Painter & Painter, 1962: 108 (new replacement name for *Anthrax fulvipes* Coquillett, 1887).

DISTRIBUTION: **Nearctic**: Canada (Alberta, British Columbia, Manitoba, Ontario, Quebec, Saskatchewan). Mexico (Baja California Norte, Baja California Sur, Durango, Guerrero, Hidalgo, México, Morelos, Nuevo León, Puebla, San Luis Potosí, Sinaloa, Sonora, Tiburón I, Veracruz-Llave). USA (Arizona, Arkansas, California, Colorado, Connecticut, Delaware, District of Columbia, Florida, Georgia, Idaho, Illinois, Indiana, Iowa, Kansas, Kentucky, Maine, Maryland, Massachusetts, Michigan, Minnesota, Missouri, Montana, Nebraska, New Hampshire, New Jersey, New Mexico, New York, North Carolina, North Dakota, Ohio, Oklahoma, Oregon, Pennsylvania, South Carolina, South Dakota, Tennessee, Texas, Utah, Vermont, Virginia, Washington, West Virginia, Wisconsin, Wyoming). **Neotropical**: Bahamas, British Virgin Is, Costa Rica, Cuba, Dominica, Guadeloupe, Guatemala, Jamaica, Mexico (Chiapas, Oaxaca), Panama, Puerto Rico.

lepidopyga

Villa lepidopyga Evenhuis & Arakaki, 1980: 313. TYPE LOCALITY: Philippines [H in

BPBM*].

DISTRIBUTION: **Oriental**: Philippines.

leucochila

Anthrax leucostoma Wiedemann, 1821a: 96 [1821b: 146]. TYPE LOCALITY: "Prom. bon. sp." [= South Africa (Western Cape)] [3S in ZMHB*]. [Preoccupied by Meigen, 1820.]

Villa leucochila Bezzi, 1921a: 129 [1924a: 188] (new replacement name for *Anthrax leucostoma* Wiedemann, 1821).

DISTRIBUTION: **Afrotropical**: Lesotho, Mozambique, South Africa (Eastern Cape, Western Cape).

leucopyga

Anthrax leucopyga Macquart, 1840: 74 [1841: 252]. TYPE LOCALITY: Indonesia (Timor) [H in MNHN*].

DISTRIBUTION: **Oriental**: India (Madhya Pradesh, Maharashtra), Indonesia (Timor).

leucostoma

Anthrax leucostoma Meigen, 1820: 146. TYPE LOCALITY: France [H in MNHN*].

DISTRIBUTION: **Palaeartic**: France, Gibraltar, Italy, Moldova, Romania, Russia (SET), Spain, Ukraine, Yugoslavia.

limbata

Anthrax limbata Coquillett, 1898: 318. TYPE LOCALITY: Japan [H in USNM*].

DISTRIBUTION: **Oriental**: Taiwan. **Palaeartic**: Japan, Korea.

limpida

Anthrax limpida Walker, 1852: 179. TYPE LOCALITY: "East India" [= India] [H in BMNH*].

DISTRIBUTION: **Oriental**: India.

lineata

Anthrax lineata Walker, 1857: 140. TYPE LOCALITY: "Valley of the Amazon" [= Brazil (Amazonas or Pará)] [H in BMNH*].

DISTRIBUTION: **Neotropical**: Brazil (Acre, Amazonas, Pará).

lipposa

Glossista lipposa Bigot, 1892: 353. TYPE LOCALITY: Australia (NSW) [H in BMNH*].

DISTRIBUTION: **Australasian/Oceanian**: Australia (NSW).

livia

Anthrax livia Osten Sacken, 1887a: 139. TYPE LOCALITY: Mexico (Sonora) [L designated by Painter & Painter (1962: 114) in BMNH*].

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

loewii

Villa loewii Hesse, 1956b: 487. TYPE LOCALITY: South Africa (Mpumalanga) [H in SAMC].

DISTRIBUTION: **Afrotropical**: Burundi, Lesotho, Namibia, Rwanda, South Africa (Gauteng, Mpumalanga, "Transvaal"), Uganda, Zimbabwe.

longicornis

Villa circumdata ssp. *longicornis* Lyneborg, 1965: 165. TYPE LOCALITY: Denmark [H in ZMUC].

DISTRIBUTION: **Palaeartic:** Denmark, Finland, France, Hungary, Norway, Sweden.

lucens

Anthrax lucens Walker, 1852: 180. TYPE LOCALITY: “East India” [= India] [H in BMNH*].

DISTRIBUTION: **Oriental:** India.

lucida

Anthrax lucida Walker, 1852: 179. TYPE LOCALITY: “East India” [= India] [H in BMNH*].

DISTRIBUTION: **Oriental:** India.

luculenta

Villa luculenta Séguy, 1941b: 7. TYPE LOCALITY: Morocco [H in MNHN].

DISTRIBUTION: **Palaeartic:** Morocco.

macquarti

Anthrax basalis Macquart, 1855: 95(75). TYPE LOCALITY: Australia (Queensland) [H in BMNH*]. [Preoccupied by Walker, 1849.]

Villa macquarti Evenhuis, 1989b: 373 (new replacement name for *Anthrax basalis* Macquart, 1855).

DISTRIBUTION: **Australasian/Oceanian:** Australia (Queensland), ?New Caledonia (New Caledonia).

manifesta

Anthrax manifesta Walker, 1852: 178. TYPE LOCALITY: “East India” [= India] [H in BMNH*].

DISTRIBUTION: **Oriental:** India (Assam, Himachal Pradesh, Kashmir, Meghalaya, Uttar Pradesh), Nepal, Pakistan, ?Thailand.

manillae

Villa manillae Evenhuis, 1994b: 20. TYPE LOCALITY: Chile [H in BPBM*].

DISTRIBUTION: **Neotropical:** Chile.

melanura

Anthrax melanurus Loew, 1869b: 183. TYPE LOCALITY: Spain [4S in ZMHB*].

DISTRIBUTION: **Palaeartic:** Afghanistan, Armenia, Azerbaijan, Greece, Gruzia, Iran, Italy (incl. Sicily), Kyrgyz Republic, Mongolia, Russia (WS), Spain, Tajikistan, Turkey, Turkmenistan, Uzbekistan, Yugoslavia.

merlei

Villa merlei François, 1969d: 168. TYPE LOCALITY: Turkey [H in ZSMC].

DISTRIBUTION: **Palaeartic:** Iran, Turkey, Turkmenistan.

micrargyra

Anthrax micrargyra Walker, 1871a: 262. TYPE LOCALITY: Egypt [S (lost) in BMNH (see Waterhouse, 1906: 598)].

DISTRIBUTION: **Palaeartic:** Egypt, Saudi Arabia.

minerva

Anthrax minerva Wiedemann, 1828: 295. TYPE LOCALITY: “Montivideo in Brasilien” [= Uruguay] [L designated by Painter & Painter (1974: 249) in NMW].

Anthrax costalis Wiedemann, 1828: 299. TYPE LOCALITY: “Montivideo in Brasilien” [= Argentina (from type specimen label data)] [3S in ZMHB*].

DISTRIBUTION: **Neotropical:** Argentina, Uruguay.

miscella

Anthrax miscella Coquillett, 1887c: 171. TYPE LOCALITY: USA (California) [L designated by Evenhuis & Greathead (1999: 650) in USNM*].

DISTRIBUTION: **Nearctic:** Mexico (Baja California Sur), USA (California, Idaho, Oregon, Washington).

modesta

Anthrax modesta Meigen, 1820: 146. TYPE LOCALITY: Not given [= France, Germany, or Italy (see Meigen, 1818: x)] [H in MNHN*].

DISTRIBUTION: **Palaeartic:** Albania, Armenia, Azerbaijan, Belgium, Czech Republic, Denmark, France, Germany, Greece, Gruzia, Hungary, Iran, Ireland, Italy (incl. Sicily), Poland, Spain, Sweden, Ukraine, UK (Great Britain, Northern Ireland), Yugoslavia.

moerens

Anthrax moerens Philippi, 1865: 664. TYPE LOCALITY: Chile [T (lost?) in MNNC (see Note 22)].

DISTRIBUTION: **Neotropical:** Chile.

molitor

Anthrax molitor Loew, 1869c: 26 [1872c: 140]. TYPE LOCALITY: USA (California) [H in MCZ*].

DISTRIBUTION: **Nearctic:** Mexico (Baja California Norte, Baja California Sur, Sonora), USA (California).

moneta

Anthrax moneta Osten Sacken, 1887a: 138. TYPE LOCALITY: Mexico (Sonora) [L designated by Painter & Painter (1962: 116) in BMNH*].

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

mouchai

Villa mouchai François, 1969d: 169. TYPE LOCALITY: Russia (WS) [H in NMPC].

DISTRIBUTION: **Palaeartic:** Russia (WS).

multibalteata

Villa multibalteata Austen, 1936: 183. TYPE LOCALITY: Cyprus [H in BMNH*].

DISTRIBUTION: **Palaeartic:** Cyprus, Greece, Italy, Turkey.

mutua

Anthrax mutua Walker, 1849: 256. TYPE LOCALITY: Chile [H in BMNH*].

DISTRIBUTION: **Neotropical:** Chile.

myrmeleonostena

Argyro-moeba myrmeleonostena Baba, 1953: 69. TYPE LOCALITY: Japan [T in UNKN (not in TIMJ)].

DISTRIBUTION: **Palaeartic:** Japan.

myximyia

Anthrax muscaria Coquillett, 1892c: 178. TYPE LOCALITY: USA (California) [1S in AMNH*; 1S in USNM*]. [Preoccupied by Pallas, 1818.]

Villa myximyia Evenhuis, 1978d: 247 (new replacement name for *Anthrax muscaria* Coquillett, 1892).

DISTRIBUTION: **Nearctic:** Canada (Alberta), USA (California, Colorado, Kansas).

nebuloso

Anthrax nebulo Coquillett, 1887c: 165. TYPE LOCALITY: “Washington Territory” [= USA (Idaho or Washington)] [H in USNM*].

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

nigra

Villa lateralis var. *nigra* Cresson, 1916: 442. TYPE LOCALITY: USA (New York) [H in ANSP].

DISTRIBUTION: **Nearctic**: USA (Alabama, Arkansas, Colorado, Connecticut, Delaware, Georgia, Kansas, Massachusetts, Michigan, Minnesota, Mississippi, New Jersey, New Hampshire, New York, Ohio, Rhode Island, Texas, Vermont, Virginia, Wisconsin).

nigricauda

Anthrax nigricauda Loew, 1869c: 24 [1872c: 138]. TYPE LOCALITY: USA (Massachusetts) [H in MCZ*].

DISTRIBUTION: **Nearctic**: USA (Colorado, Maine, Massachusetts, Michigan, Minnesota, New Hampshire, New York, Vermont).

nigriceps

Anthrax nigriceps Macquart in Webb & Berthelot, 1839: 106. TYPE LOCALITY: Canary Is [H (lost) in MNHN].

Anthrax nigriceps var. *abdominalis* Santos Abreu, 1926: 54(14). TYPE LOCALITY: Canary Is [S in MABC].

Villa nigriceps var. *minor* Frey, 1936: 50. TYPE LOCALITY: Canary Is [21S in MZHF].
DISTRIBUTION: **Palaearctic**: Canary Is.

nigrifrons

Anthrax nigrifrons Macquart in Webb & Berthelot, 1839: 106. TYPE LOCALITY: Canary Is [H (lost) in MNHN].

DISTRIBUTION: **Palaearctic**: Canary Is.

nigropecta

Villa alternata var. *nigropectus* Cresson, 1916: 443. TYPE LOCALITY: USA (New Mexico) [H in ANSP].

DISTRIBUTION: **Nearctic**: USA (Kansas, Minnesota, New Mexico, Utah).

niphobleta

Anthrax niphobletus Loew, 1869b: 186. TYPE LOCALITY: “Magnesia” [= Turkey] [H in ZMHB*].

Villa nana Becker, 1916: 37. TYPE LOCALITY: Tunisia [H in ZSMC].

DISTRIBUTION: **Palaearctic**: Afghanistan, Algeria, Armenia, Azerbaijan, Bulgaria, Cyprus, France, Greece, Gruzia, Italy (incl. Sardinia, Sicily), Kyrgyz Republic, Morocco, Romania, Russia (ES, WS), Spain, Tajikistan, Tunisia, Turkey, Turkmenia, Uzbekistan, Yugoslavia.

niphobletoides

Villa niphobletoides Hesse, 1956b: 506. TYPE LOCALITY: South Africa (Western Cape) [H in SAMC].

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

nitida

Villa nitida Cole, 1923: 305. TYPE LOCALITY: Mexico (Sonora) [H in CAS].

DISTRIBUTION: **Nearctic**: Mexico (Baja California Norte, Sonora).

nivearia

Villa nivearia Hesse, 1956b: 498. TYPE LOCALITY: "South-West Africa" [= Namibia] [H in BMNH*].

DISTRIBUTION: **Afrotropical**: Namibia.

obliqua

Anthrax obliqua Macquart, 1834: 410. TYPE LOCALITY: "Brésil" [= Brazil or Uruguay] [T in UNKN (originally in Percheron Collection)].

DISTRIBUTION: **Neotropical**: "Brésil" [= Brazil or Uruguay].

obscura

Anthrax obscura Weber, 1801: 115. TYPE LOCALITY: "Heluetia" [= Switzerland] [S in ?ZMUC].

DISTRIBUTION: **Palaeartic**: Switzerland.

occulta

Anthrax occulta Wiedemann in Meigen, 1820: 153. TYPE LOCALITY: Germany [1S in NMW*; 1S in ZMHB*].

DISTRIBUTION: **Palaeartic**: Armenia, Austria, Azerbaijan, Belarus, Bulgaria, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Gruzia, Hungary, Italy (incl. Sicily), Kazakhstan, Latvia, Lithuania, Moldova, Mongolia, Poland, Romania, Russia (CET, ES, SET, WS), Spain, Ukraine, Yugoslavia.

ovata

Anthrax ovatus Loew, 1869b: 196. TYPE LOCALITY: "Ochotsk" [= Russia (FE)] [H in ZMHB*].

DISTRIBUTION: **Palaeartic**: China, Mongolia, Russia (ES, FE).

pachystyla

Villa pachystyla Hesse, 1956b: 495. TYPE LOCALITY: "South-West Africa" [= Namibia] [7S in SAMC].

DISTRIBUTION: **Afrotropical**: Botswana, Namibia, Zimbabwe.

pallipes

Anthrax pallipes Bigot, 1892: 358. TYPE LOCALITY: Chile [H in BMNH*].

DISTRIBUTION: **Neotropical**: Chile.

panisca

Bibio panisca Rossi, 1790: 276. TYPE LOCALITY: Italy [2S in ZMHB*].

Anthrax cingulata Meigen, 1820: 145. TYPE LOCALITY: "aus hiesiger Gegend" [= Germany] & "Taurien" [= Russia (SET)] [1S in ZMHB*]. [Preoccupied by Meigen, 1804.]

Anthrax bimaculata Macquart, 1834: 403. TYPE LOCALITY: Italy (Sicily) [T in UNKN (originally in Lefebvre Collection)].

DISTRIBUTION: **Oriental**: India (Arunachal Pradesh, Himachal Pradesh, Tamil Nadu, Uttar Pradesh). **Palaeartic**: Albania, Armenia, Austria, Azerbaijan, Belarus, Belgium, Bosnia-Herzegovina, Bulgaria, China, Croatia, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Gruzia, Hungary, Italy (incl. Sardinia, Sicily), Latvia, Lithuania, Luxemburg, Macedonia, Malta, Moldova, Mongolia, Netherlands, Norway, Poland, Portugal, Romania, Russia (CET, NET, SET), Slovakia, Slovenia, Spain, Sweden,

Switzerland, Turkey, Ukraine, Yugoslavia.

paniscoides

Villa paniscoides Bezzi, 1912: 624. TYPE LOCALITY: “North Nyasa” [= Malawi] & “West Nyasa” [= Malawi] [3S in BMNH*].

DISTRIBUTION: **Afrotropical**: Eritrea, Ethiopia, Kenya, Malawi, Somalia, Uganda, Yemen. **Palaeartic**: Oman, Saudi Arabia.

parilis

Villa parilis François, 1969d: 158. TYPE LOCALITY: France [H in PDMC].

DISTRIBUTION: **Palaeartic**: Czech Republic, France (incl. Corsica), Italy.

pellucida

Anthrax pellucida Walker, 1852: 182. TYPE LOCALITY: “Van Diemen’s Land” [error, = Australia (Queensland)] [L designated by Evenhuis & Greathead (1999: 651) in BMNH*].

DISTRIBUTION: **Australasian/Oceanian**: Australia (Queensland).

penai

Villa penai Hall, 1976a: 208. TYPE LOCALITY: Chile [H in MEUC*].

DISTRIBUTION: **Neotropical**: Chile.

perfecta

Anthrax perfectus Becker, 1906c: 147. TYPE LOCALITY: Tunisia [H in UNKN (not in ZMHB)].

DISTRIBUTION: **Palaeartic**: Tunisia.

perimele

Anthrax perimele Wiedemann, 1828: 583. TYPE LOCALITY: “Brasilien” [= Brazil or Uruguay] [H in ZMUC].

DISTRIBUTION: **Neotropical**: “Brasilien” [= Brazil or Uruguay].

phaeotaenia

Villa phaeotaenia Bezzi, 1920: 105. TYPE LOCALITY: Cape Verde Is [11S in MCSN; 4S in MSNM].

DISTRIBUTION: **Afrotropical**: Cape Verde Is.

philippii

Anthrax vitripennis Philippi, 1865: 671. TYPE LOCALITY: Chile [T (lost?) in MNNC (see Note 22)]. [Preoccupied by Loew, 1860.]

Villa philippii Evenhuis, 1978d: 247 (new replacement name for *Anthrax vitripennis* Philippi, 1865).

DISTRIBUTION: **Neotropical**: Chile.

plagiata

Anthrax plagiata Walker, 1871a: 262. TYPE LOCALITY: Egypt [H (lost) in BMNH (see Waterhouse, 1906: 598)].

DISTRIBUTION: **Palaeartic**: Egypt.

praetermissa

Villa praeterita François, 1966a: 185. TYPE LOCALITY: Greece [H in KBIN*]. [Preoccupied by Oldroyd, 1938.]

Villa praetermissa François, 1967c: 293 (new replacement name for *Villa praeterita* François, 1966).

DISTRIBUTION: **Palaeartic**: Greece (incl. Lefkas), Italy, Macedonia, Yugosla-

via.

pretendens

Anthrax pretendens Walker, 1859: 111. TYPE LOCALITY: Indonesia (Sulawesi) [1S in BMNH*].

praetendens, error for *pretendens*.

DISTRIBUTION: **Australasian/Oceanian**: Indonesia (Irian Jaya, Maluku), PNG (PNG). **Oriental**: Indonesia (Sulawesi).

pretiosa

Anthrax molitor var. *pretiosa* Coquillett, 1887c: 168. TYPE LOCALITY: USA (California) [1S in USNM*].

DISTRIBUTION: **Nearctic**: Canada (Alberta), USA (California, Utah).

proxima

Villa proxima Hall, 1976a: 214. TYPE LOCALITY: Chile [H in MEUC*].

DISTRIBUTION: **Neotropical**: Chile.

psammina

Villa arenicola Cole, 1923: 294. TYPE LOCALITY: Mexico (Baja California Norte) [H in CAS]. [Preoccupied by Johnson, 1908.]

Villa psammina Cole, 1960: 118 (new replacement name for *Villa arenicola* Cole, 1923).

DISTRIBUTION: **Nearctic**: Mexico (Baja California Norte, Baja California Sur, Sonora, Tiburon I), USA (Utah).

purpurata

Anthrax purpurata Wiedemann, 1828: 300. TYPE LOCALITY: “Vaterland?” [= unknown] [T (lost) in ZMHB].

DISTRIBUTION: **Patria Ignota**: Unknown.

pusio

Anthrax pusio Macquart, 1840: 76 [1841: 354]. TYPE LOCALITY: Cuba [H (lost?) in MNVL].

DISTRIBUTION: **Neotropical**: Cuba.

quadricincta

Anthrax quadricincta Rondani, 1863: 61 [1864: 61]. TYPE LOCALITY: Chile [H in MZUN].

Anthrax obscuripes Bigot, 1892: 357. TYPE LOCALITY: Chile [H in BMNH*].

DISTRIBUTION: **Neotropical**: Chile.

quinqueguttata

Villa quinqueguttata Roberts, 1928a: 126. TYPE LOCALITY: Australia (NSW) [H in QM].

DISTRIBUTION: **Australasian/Oceanian**: Australia (NSW).

rava

Villa rava Roberts, 1928a: 125. TYPE LOCALITY: Australia (Queensland) [H in QM].

DISTRIBUTION: **Australasian/Oceanian**: Australia (Queensland).

resurgens

Anthrax resurgens Walker, 1849: 259. TYPE LOCALITY: Australia (WA) [T (lost) in BMNH (see Hardy, 1924: 76)].

DISTRIBUTION: **Australasian/Oceanian**: Australia (WA).

ruficeps

Anthrax ruficeps Macquart, 1840: 74 [1841: 352]. TYPE LOCALITY: “De l’île de France [= Mauritius] [L designated by Evenhuis & Greathead (1999: 651) in MNHN*].

DISTRIBUTION: **Afrotropical**: Mauritius.

rufipes

Anthrax rufipes Macquart, 1840: 73 [1841: 351]. TYPE LOCALITY: “Du Cap” [= South Africa (Western Cape)] [H in MNHN*].

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

sabina

Anthrax sabina Osten Sacken, 1887a: 137. TYPE LOCALITY: Mexico (Sonora) [3S in BMNH*].

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

salebrosa

Villa salebrosa Painter, 1926b: 211. TYPE LOCALITY: USA (Texas) [H in USNM*].

DISTRIBUTION: **Nearctic**: Canada (Alberta), USA (Colorado, Iowa, Texas, Washington).

satanas

Villa satanas Becker, 1916: 40. TYPE LOCALITY: “Alai Gebirge, Süd-Sibirien” [= Russia (WS)] [H in ZSMC].

DISTRIBUTION: **Palaeartic**: Russia (WS).

schineri

Anthrax nigricosta Schiner, 1868b: 126. TYPE LOCALITY: Chile [H in NMW]. [Preoccupied by Macquart, 1850.]

Villa schineri Evenhuis, 1978d: 247 (new replacement name for *Anthrax nigricosta* Schiner, 1868).

DISTRIBUTION: **Neotropical**: Chile.

scrobiculata

Anthrax scrobiculata Loew, 1869c: 24 [1872c: 1138]. TYPE LOCALITY: USA (Illinois) [L designated by Evenhuis (1982b: 16) in MCZ*].

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

scrutata

Anthrax scrutata Wiedemann in Meigen, 1820: 148. TYPE LOCALITY: “Oesterreich” [probably = Austria] [T in UNKN].

DISTRIBUTION: **Palaeartic**: Austria.

sejungenda

Anthrax sejungenda Rondani, 1863: 62 [1864: 62]. TYPE LOCALITY: “Americae meridionalis” [H in MZUN].

DISTRIBUTION: **Neotropical**: “Americae meridionalis”.

semifuscata

Anthrax semifuscata Brunetti, 1920: 241. TYPE LOCALITY: “Ceylon” [= Sri Lanka] [H in BMNH*].

DISTRIBUTION: **Oriental**: Sri Lanka.

semihyalina

Anthrax semihyalina Meijere, 1907: 240. TYPE LOCALITY: Indonesia (Java) [H in ZMAN].

DISTRIBUTION: **Oriental:** Indonesia (Java).

semilimpida

Anthrax semilimpida Wiedemann, 1828: 310. TYPE LOCALITY: "Vaterland?" [= unknown] [T (lost) in ZMHB].

DISTRIBUTION: **Patria Ignota:** Unknown.

senecio

Anthrax senecio Loew, 1869b: 188. TYPE LOCALITY: Greece (Corfu) [1S in UMO*; 2S in ZMHB*; 1S in NMW*].

DISTRIBUTION: **Palaearctic:** Egypt, Greece (incl. Corfu, Lesbos), Israel, Italy, Libya, Turkey, Yugoslavia.

setosa[†]

Protepacmus setosus Cockerell, 1916: 94. TYPE LOCALITY: USA (Colorado) (Oligocene) [C] [H in USNM*].

DISTRIBUTION: **Nearctic:** USA (Colorado) (Oligocene).

sexfasciata

Anthrax sexfasciata Wiedemann, 1821a: 92 [1821b: 142]. TYPE LOCALITY: "Prom. bon. sp." [= South Africa (Western Cape)] [2S in ZMUC].

Anthrax albescens Loew, 1860a: 90 [1860b: 287; 1860c: 215]. TYPE LOCALITY: "Cap. B. Sp." [= South Africa (Western Cape)] [H in ZMHB*].

Anthrax flavescens Loew, 1860a: 90 [1860b: 288; 1860c: 216] TYPE LOCALITY: "Cap. B. Sp." [= South Africa (Western Cape)] [H in ZMHB*].

Villa albogilva François, 1969a: 395. TYPE LOCALITY: Senegal [H in MNHN].

DISTRIBUTION: **Afrotropical:** Botswana, Chad, Eritrea, Ethiopia, Ghana, Kenya, Malawi, Mozambique, Namibia, Niger, Nigeria, Senegal, Somalia, South Africa (Eastern Cape, Gauteng, KwaZulu-Natal, Northern Province, Western Cape), Tanzania, Zambia.

shawii

Anthrax shawii Johnson, 1908: 14. TYPE LOCALITY: USA (New Hampshire) [H in MCZ*].

DISTRIBUTION: **Nearctic:** USA (Delaware, Massachusetts, New Hampshire, New Jersey, New York).

sodom

Anthrax sodom Williston, 1893b: 254. TYPE LOCALITY: USA (California) [T in SEMC].

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

sonorensis

Villa sonorensis Cole, 1923: 296. TYPE LOCALITY: Mexico (Sonora) [H in CAS].

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

squamigera

Anthrax squamigera Coquillett, 1892c: 181. TYPE LOCALITY: USA (California) [H in USNM*].

DISTRIBUTION: **Nearctic:** Mexico (Baja California Norte, Sonora), USA (Arizona, California).

stenoazona

Anthrax stenozonus Loew, 1869b [29 April]: 180. TYPE LOCALITY: “Makri” [= Greece] [2S in ZMHB*].

Villa disjuncta Becker, 1916: 32. TYPE LOCALITY: Algeria [H in ZMHB*].

DISTRIBUTION: **Palaeartic**: Algeria, Egypt, France, Greece, Italy (incl. Sicily), Turkey, Yugoslavia.

stenozonella

Anthrax stenozona Loew, 1869c [May]: 25 [1872c: 139]. TYPE LOCALITY: USA (Illinois) L designated by Evenhuis (1982b: 18) in MCZ*. [Preoccupied by Loew, 1869 (29 April).]

Villa stenozonella Evenhuis & Greathead, 1999: 511 (new replacement name for *Anthrax stenozona* Loew, 1869).

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

subannula

Anthrax subannulus Walker, 1849: 261. TYPE LOCALITY: Not given [= unknown] [H in BMNH*].

DISTRIBUTION: **Patria Ignota**: Unknown.

syphax

Anthrax syphax Fabricius, 1798: 554. TYPE LOCALITY: “Barbaria” [= Algeria or Tunisia] [2S in ZMUC].

DISTRIBUTION: **Palaeartic**: “Barbaria” [= Algeria or Tunisia].

tashkentica

Villa tashkentica Paramonov, 1925h: 144. TYPE LOCALITY: Uzbekistan [5S in ZMUM; 2S in SIZK].

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

tasmanica

Anthrax tasmanica Hardy, 1924: 76. *Nomen nudum*.

tomentosa

Villa tomentosa Becker, 1916: 41. TYPE LOCALITY: “Klein-Asien, Hamidie” [= Turkey] & Greece & Italy [S (destroyed) in HNHM (see Note 9); S in ZSMC].

DISTRIBUTION: **Palaeartic**: Afghanistan, Armenia, Azerbaijan, Greece, Gruzia, Iran, Italy (incl. Sicily), Macedonia, Turkey, Yugoslavia.

translata

Anthrax translata Walker, 1852: 182. TYPE LOCALITY: TYPE LOCALITY: “West Indies” [H in BMNH*].

DISTRIBUTION: **Neotropical**: West Indies.

transversa

Lepidanthrax transversa Brunetti, 1920: 233. TYPE LOCALITY: India (Uttar Pradesh) [H in BMNH*].

DISTRIBUTION: **Oriental**: India (Uttar Pradesh).

trifida

Villa trifida Hall, 1976a: 211. TYPE LOCALITY: Chile [H in MEUC*].

DISTRIBUTION: **Neotropical**: Chile.

trivincula

Villa trivincula Roberts, 1928a: 119. TYPE LOCALITY: Australia (Queensland) [H in QM].

DISTRIBUTION: **Australasian/Oceanian**: Australia (NSW, Queensland), Lord Howe I.

troglogyta

Biblio troglogyta Fabricius, 1775: 759. TYPE LOCALITY: “India orientali” [1S in ZMUC].

DISTRIBUTION: **Australasian/Oceanian**: Indonesia (Maluku), PNG (PNG). **Oriental**: ?India.

turcomana

Hemipenthes turcomanus Paramonov, 1927d: 189. TYPE LOCALITY: Turkmenistan [3S (lost) in SIZK].

turkomanus, incorrect original spelling of *turcomanus* (Paramonov, 1927d: 177).

DISTRIBUTION: **Palaearctic**: Iran, Tajikistan, Turkmenistan, Uzbekistan.

turneri

Villa turneri Hesse, 1956b: 485. TYPE LOCALITY: “South-West Africa” [= Namibia] [H in BMNH*].

Villa dissimilis Hesse, 1956b: 486. TYPE LOCALITY: “Southern Rhodesia” [= Zimbabwe] [H in BMNH*].

DISTRIBUTION: **Afrotropical**: Namibia, Zimbabwe.

unicingulata

Anthrax unicingulata Macquart, 1840: 72 [1841: 350]. TYPE LOCALITY: “Scio” [= Greece (Chios)] [H in MNHN*].

DISTRIBUTION: **Palaearctic**: Greece (incl. Chios).

unifasciata

Anthrax unifasciata Macquart, 1840: 73 [1841: 351]. TYPE LOCALITY: “De l’île de France [= Mauritius] [L designated by Evenhuis & Greathead (1999: 653) in MNHN*].

Anthrax madagascariensis Macquart, 1847a: 52 [1847b: 68]. TYPE LOCALITY: Madagascar [T in UNKN (originally in de Villiers Collection)].

Anthrax leptopa Thomson, 1869: 481. TYPE LOCALITY: Mauritius [S in NHRS].

DISTRIBUTION: **Afrotropical**: Madagascar, Mauritius, Réunion, Rodriguez.

vacans

Anthrax molitor var. *vacans* Coquillett, 1887c: 168. TYPE LOCALITY: “Washington Territory” [= USA (Idaho or Washington)] [H in USNM*].

DISTRIBUTION: **Nearctic**: “Washington territory” [= USA (Idaho or Washington)].

validicornis

Villa validicornis Bezzi, 1923b: 325. *Nomen nudum*.

Villa validicornis Bezzi, 1924a: 184. TYPE LOCALITY: “Nyasaland” [= Malawi] [2S in BMNH*].

DISTRIBUTION: **Afrotropical**: Malawi.

valparaisensis

Villa valparaisensis Hall, 1976a: 263. TYPE LOCALITY: Chile [H in KBIN*].

DISTRIBUTION: **Neotropical**: Chile.

vanduzeei

Villa vanduzeei Cole, 1923: 306. TYPE LOCALITY: Mexico (Baja California Norte) [H in CAS].

DISTRIBUTION: **Nearctic**: Mexico (Baja California Norte), USA (Colorado, Texas, Utah).

vastititas

Villa vastititas Cole, 1923: 295. TYPE LOCALITY: Mexico (Baja California Norte) [H in CAS].

DISTRIBUTION: **Nearctic**: Mexico (Baja California Norte).

velox

Anthrax velox White, 1916: 211. TYPE LOCALITY: Australia (Queensland) [1S in BMNH*].

DISTRIBUTION: **Australasian/Oceanian**: Australia (Queensland).

ventruosa

Anthrax ventruosus Loew, 1869b: 194. TYPE LOCALITY: Italy (Sicily) [1S in ZMHB*].

DISTRIBUTION: **Palaeartic**: Armenia, Azerbaijan, Bulgaria, Egypt, Gruzia, Iran, Italy (incl. Sardinia, Sicily), Libya, Moldova, Romania, Russia (SET), Ukraine, Yugoslavia.

venus

Villa venus Greathead, 1967: 256. TYPE LOCALITY: Eritrea [H in BMNH*].

DISTRIBUTION: **Afrotropical**: Eritrea, Nigeria. **Palaeartic**: Saudi Arabia.

verdensis

Villa verdensis Oldroyd, 1938: 90. TYPE LOCALITY: Chile [H in BMNH*].

DISTRIBUTION: **Neotropical**: Chile.

vestita

Anthrax vestita Walker, 1849: 258. TYPE LOCALITY: Canada (Nova Scotia) [2S in BMNH*].

DISTRIBUTION: **Nearctic**: Canada (Nova Scotia).

vitrea

Anthrax vitrea Walker, 1852: 181. TYPE LOCALITY: Australia (WA) [H in BMNH*].

DISTRIBUTION: **Australasian/Oceanian**: Australia (WA).

vitripennis

Anthrax vitripennis Loew, 1860a: 90 [1860b: 289; 1860c: 217]. TYPE LOCALITY: “Caf-fraria” [= South Africa (Eastern Cape)] & “Cap. B. Sp.” [= South Africa (Western Cape)] [2S in ZMHB*; 2S in NHRS].

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

zonipennis

Villa varipennis Roberts, 1928a: 121. TYPE LOCALITY: Australia (NSW) [H in QM]. [Preoccupied by Macquart, 1850.]

Villa zonipennis Evenhuis, 1978d: 247 (new replacement name for *Villa varipennis* Roberts, 1928).

DISTRIBUTION: **Australasian/Oceanian**: Australia (NSW).

Genus **VILLOESTRUS** Paramonov

VILLOESTRUS Paramonov, 1931b: 93(93). Type species: *Villoestrus uvarovi* Paramonov, 1931, by monotypy.

dimorphus

Villoestrus dimorphus Hesse, 1956b: 518. TYPE LOCALITY: South Africa (Western

Cape) [2S in SAMC*; 1S in NMBZ].

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

stackelbergi

Villoestrus stackelbergi Zaitzev, 1967: 411. TYPE LOCALITY: Tajikistan [H in ZIS].

DISTRIBUTION: **Palaearctic**: Tajikistan, Uzbekistan.

uvarovi

Villoestrus uvarovi Paramonov, 1931b: 93(93). TYPE LOCALITY: Israel [H in BMNH*].

DISTRIBUTION: **Palaearctic**: Israel, Syria, Turkey.

UNPLACED SPECIES OF **VILLINI** HULL

6-fasciata

Anthrax 6-fasciata Walker, 1852: 167. *Nomen nudum*.

bistellus

Anthrax bistella Walker, 1850: xcvi. TYPE LOCALITY: Brazil (Pará) [T (lost) in BMNH (J.E. Chainey, pers. comm.)].

DISTRIBUTION: **Neotropical**: Brazil (Pará).

crepuscularis

Anthrax crepuscularis Lynch Arribálzaga, 1878: 271. TYPE LOCALITY: Argentina [T in MACN].

DISTRIBUTION: **Neotropical**: Argentina.

excisus

Anthrax excisa Walker, 1852: 188. TYPE LOCALITY: “South America” [H (lost) in BMNH (J.E. Chainey, pers. comm.)].

DISTRIBUTION: **Neotropical**: South America.

gradatus

Anthrax gradata Macquart, 1847a: 53 [1847b: 69]. TYPE LOCALITY: “Colombie” [= Colombia, Ecuador, or Venezuela] [H in MNVL].

DISTRIBUTION: **Neotropical**: “Colombie” [= Colombia, Ecuador, or Venezuela].

latifimbrius

Anthrax latifimbria Walker, 1852: 175. TYPE LOCALITY: “Columbia” [= Colombia] [H (lost) in BMNH (J.E. Chainey, pers. comm.)].

DISTRIBUTION: **Neotropical**: Colombia.

peninsularis

Villa peninsularis Cole, 1923: 304. TYPE LOCALITY: Mexico (Baja California Norte) [H in CAS].

DISTRIBUTION: **Nearctic**: Mexico (Baja California Norte).

pudicus

Anthrax pudicus Lynch Arribálzaga, 1878: 275. TYPE LOCALITY: Argentina [T in MACN].

DISTRIBUTION: **Neotropical**: Argentina.

solitus

Anthrax solita Walker, 1857: 140. TYPE LOCALITY: “Valley of the Amazon” [= Brazil (Amazonas or Pará)] [H in MVMA].

DISTRIBUTION: **Neotropical**: “Valley of the Amazon” [= Brazil (Amazonas or Pará)].

subaequalis

Anthrax subaequalis Lynch Arribálzaga, 1878: 267. TYPE LOCALITY: Argentina [T in MACN].

DISTRIBUTION: **Neotropical**: Argentina.

TRIBE **XERAMOEBINI** HULL

Genus **DESMATONEURA** Williston

DESMATONEURA Williston, 1895: 267. Type species: *Desmatoneura argentifrons* Williston, 1895, by monotypy.

CHIONAMOEBIA Sack, 1909: 510, 543. Type species: *Bibio nivea* Rossi, 1790, by original designation.

CHIASMELLA Bezzi, 1924a: 156. Type species: *Chiasmella brevipennis* Bezzi, 1924, by original designation.

aegypticola

Anthrax aegypticola Paramonov, 1935: 16, 31 (key only). TYPE LOCALITY: Egypt [1S in SIZK].

DISTRIBUTION: **Palaearctic**: Egypt.

albifacies

Anthrax albifacies Macquart, 1840: 71 [1841: 349]. TYPE LOCALITY: “D’Alger” [= Algeria or Morocco] [H (lost) in MNVL].

DISTRIBUTION: **Palaearctic**: Afghanistan, Algeria, Egypt.

argentifrons

Desmatoneura argentifrons Williston, 1895: 267. TYPE LOCALITY: USA (New Mexico) [H in SEMC].

DISTRIBUTION: **Nearctic**: Mexico (Sonora), USA (Arizona, California, Kansas, Nevada, New Mexico, Texas, Utah).

brevipennis

Chiasmella brevipennis Bezzi, 1924a: 157. TYPE LOCALITY: Yemen [2S in BMNH*].

DISTRIBUTION: **Afrotropical**: Eritrea, Yemen. **Palaearctic**: Oman, United Arab Emirates.

choreutes

Chionamoeba choreutes Bowden, 1964a: 76. TYPE LOCALITY: “Ashanti” [= Ghana] [H in JB].

DISTRIBUTION: **Afrotropical**: Ghana, Nigeria, Sierra Leone.

claretta

Anthrax claripennis Becker, 1922: 58. TYPE LOCALITY: Sudan [H in NMW*]. [Preoccupied by Kowarz, 1868.]

Villa claretta Hull, 1973: 373 (new replacement name for *Anthrax claripennis* Becker, 1922).

DISTRIBUTION: **Afrotropical**: Sudan.

erythrostroma

Anthrax erythrostroma Rondani, 1873: 299. TYPE LOCALITY: "Persia sept." [= Iran] [H in MCSN].

DISTRIBUTION: **Palaeartic**: Iran.

flavifrons

Plesiocera flavifrons Becker, 1915a: 324. TYPE LOCALITY: Tunisia [H in ZMHB*].

DISTRIBUTION: **Palaeartic**: Italy, Spain, Tunisia.

frontalis

Mulio frontalis Wiedemann, 1828: 567. TYPE LOCALITY: "Nubien" [= Sudan] [H in SMFD].

DISTRIBUTION: **Afrotropical**: ?Ethiopia, Sudan. **Palaeartic**: Oman, Saudi Arabia.

meridionalis

Chionamoeba meridionalis Hesse, 1956a: 354. TYPE LOCALITY: "Southern Rhodesia" [= Zimbabwe] [H in NMBZ].

DISTRIBUTION: **Afrotropical**: Congo, South Africa (KwaZulu-Natal), Zimbabwe.

nivea

Bibio nivea Rossi, 1790: 277. TYPE LOCALITY: Italy [H in ZMHB*].

Argyroamoeba nivea var. *lioyi* Griffini, 1896: 2. TYPE LOCALITY: Italy [T in UNKN (sold at auction)].

DISTRIBUTION: **Palaeartic**: Armenia, Azerbaijan, Bulgaria, Egypt, Greece (incl. Corfu), Gruzia, Italy, Macedonia, Romania, Tunisia, Yugoslavia.

niveisquamis

Argyroamoeba niveisquamis Brunetti, 1909a: 472. TYPE LOCALITY: "Baluchistan" [= Pakistan] [2S in NZSI].

DISTRIBUTION: **Oriental**: Pakistan.

sarawaka

Desmatoneura sarawaka Evenhuis, 1982c: 250. TYPE LOCALITY: Malaysia (Sarawak) [H in BPBM*].

DISTRIBUTION: **Oriental**: Malaysia (Sarawak), Thailand.

sardoa

Anthrax sardoa Macquart in Lucas, 1849: 134. TYPE LOCALITY: Algeria [1S in MNHN*]. [Name valid by bibliographic reference to Macquart (1840: 71).]

DISTRIBUTION: **Palaeartic**: Algeria.

sica

Desmatoneura sica Greathead, 1969: 69. TYPE LOCALITY: Yemen (Socotra) [H in BMNH*].

DISTRIBUTION: **Afrotropical**: Yemen (Abd-el-Kuri, Socotra). **Palaeartic**: Oman.

Genus **PETROROSSIA** Bezzi

PETROROSSIA Bezzi, 1908a: 35. Type species: *Bibio hespera* Rossi, 1790, by original designation

PETROSSIA, *PTEROROSSIA*, errors for *Petrorossia*.

albissima

Petrorossia albissima Zaitzev, 1974b: 802. TYPE LOCALITY: Turkmenistan [H in ZIS].
DISTRIBUTION: **Palaeartic**: Kyrgyz Republic, Tajikistan, Turkmenistan, Uzbekistan.

albofulva

Anthrax albofulva Walker, 1852: 182 (as “*albo-fulva*”). TYPE LOCALITY: “East India” [= India] [T in UNKN].
DISTRIBUTION: **Oriental**: India (Karnataka, Uttar Pradesh).

albula

Petrorossia albula Zaitzev, 1962b: 126. TYPE LOCALITY: Armenia [H in ZIS].
DISTRIBUTION: **Afrotropical**: Benin, Ghana, Kenya, Nigeria. **Palaeartic**: Algeria, Armenia, Azerbaijan, Gruzia, Israel, Kazakhstan, Kyrgyz Republic, Mongolia, Morocco, Saudi Arabia, Tajikistan, Turkmenistan, United Arab Emirates, Uzbekistan.

analis

Petrorossia analis Lachaise & Bowden, 1976: 327. TYPE LOCALITY: Ivory Coast [H in MNHN*].
DISTRIBUTION: **Afrotropical**: Ivory Coast.

angustata

Anthrax angustata Doleschall, 1859: 93. TYPE LOCALITY: Indonesia (Maluku) [T in UNKN].
DISTRIBUTION: **Australasian/Oceanian**: Indonesia (Maluku). **Oriental**: Indonesia (Sulawesi).

angustibasalis

Petrorossia angustibasalis Hesse, 1956a: 328. TYPE LOCALITY: South Africa (KwaZulu-Natal) [8S in SAMC*; 2S in NMBZ; 1S in BPBM*; 2S in BMNH*].
Petrorossia angustibasalis var. *buziana* Hesse, 1956a: 329. TYPE LOCALITY: “Portuguese East Africa” [= Mozambique] [H in DABZ].
DISTRIBUTION: **Afrotropical**: Mozambique, Namibia, South Africa (Eastern Cape, KwaZulu-Natal), Zimbabwe.

anomala

Petrorossia anomala Zaitzev, 1974b: 804. TYPE LOCALITY: Kazakhstan [H in ZIS].
DISTRIBUTION: **Palaeartic**: Kazakhstan, Tajikistan, Turkmenistan, Uzbekistan.

appendiculata

Lomatia appendiculata Macquart, 1846: 351(223), pl. 10, fig. 3 [*in* Lucas, 1849: 461]. TYPE LOCALITY: Not given [= Algeria (see Macquart *in* Lucas, 1849: 461)] [1S in BMNH*; 1S in MNHN*].
DISTRIBUTION: **Palaeartic**: Algeria.

autumnalis

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

brunettii

Petrorossia brunettii Zaitzev, 1988b: 866 [1990: 109]. TYPE LOCALITY: Sri Lanka [H in ZIS].
DISTRIBUTION: **Oriental**: Sri Lanka.

carmelica

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

DISTRIBUTION: **Palaeartic**: Israel.

caucasica

Petrorossia caucasica Zaitzev, 1962b: 126. TYPE LOCALITY: Armenia [H in ZIS].

DISTRIBUTION: **Afrotropical**: Ghana, Nigeria. **Palaeartic**: Armenia, Azerbaijan, Gruzia, Kyrgyz Republic, Tajikistan, Turkmenistan, Uzbekistan.

ceylonica

Argyramoeba ceylonica Brunetti, 1909a: 471. TYPE LOCALITY: "Ceylon" [= Sri Lanka] [H in BMNH*].

DISTRIBUTION: **Oriental**: India (Andaman Is, Bihar, Uttar Pradesh, West Bengal), ?Malaysia (Peninsular), Pakistan, Sri Lanka.

chapini

Petrorossia chapini Curran, 1927b: 39. TYPE LOCALITY: Congo [H in AMNH*].

DISTRIBUTION: **Afrotropical**: Congo, Uganda.

claripennis

Argyramoeba claripennis Brunetti, 1909b: 218. TYPE LOCALITY: Pakistan [H in NZSI].

DISTRIBUTION: **Oriental**: India (Karnataka, Punjab), Pakistan.

clauseni

Aphoebantus clauseni Aldrich, 1928: 1. TYPE LOCALITY: India (Meghalaya) [H in USNM*].

DISTRIBUTION: **Oriental**: India (Meghalaya).

cognata

Anthrax cognata Walker, 1849: 264. TYPE LOCALITY: Sierra Leone [H in BMNH*].

Anthrax fervida Walker, 1849: 264. TYPE LOCALITY: Not given [= Afrotropical] [H in BMNH*].

Petrorossia gratiosa Bezzi, 1912: 616. TYPE LOCALITY: Nigeria [H in BMNH*].

DISTRIBUTION: **Afrotropical**: Cameroon, Ghana, Nigeria, Sierra Leone.

consobrina

Petrorossia consobrina Bowden, 1964a: 69. TYPE LOCALITY: Ghana [H in JB].

DISTRIBUTION: **Afrotropical**: Ghana.

curvipennis

Petrorossia curvipennis Zaitzev, 1988b: 866 [1990: 112]. TYPE LOCALITY: India (Karnataka) [H in ZMUC].

DISTRIBUTION: **Oriental**: India (Karnataka).

deducta

Petrorossia deducta Bowden, 1964a: 68. TYPE LOCALITY: "Ashanti" [= Ghana] [H in JB].

DISTRIBUTION: **Afrotropical**: Ghana, Nigeria.

deserticola

Petrorossia deserticola Zaitzev, 1966b: 222. TYPE LOCALITY: Uzbekistan [H in ZIS].

DISTRIBUTION: **Palaeartic**: Armenia, Azerbaijan, Gruzia, Tajikistan, Turkmenistan, Uzbekistan.

feti

Petrorossia feti Zaitzev & Tsharykuliev, 1981: 914. TYPE LOCALITY: Turkmenistan [H in ZIS].

DISTRIBUTION: **Palaeartic**: Turkmenistan.

flavicans

Petrorossia flavicans Bowden, 1964a: 67. TYPE LOCALITY: Ghana [H in JB].

DISTRIBUTION: **Afrotropical**: Ghana, Nigeria, Sudan.

flavipennis

Petrorossia flavipennis Zaitzev, 1966b: 225. TYPE LOCALITY: Armenia [H in ZIS].

DISTRIBUTION: **Palaeartic**: Armenia, Azerbaijan, Egypt, Gruzia, Israel, Kazakhstan, Uzbekistan.

freidbergi

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

DISTRIBUTION: **Palaeartic**: Israel.

fulvipes

Anthrax fulvipes Loew, 1860a: 89 [1860b: 282; 1860c: 210]. TYPE LOCALITY: “Caf-fraria” [= South Africa (Eastern Cape)] [H in NHRS].

DISTRIBUTION: **Afrotropical**: Botswana, Eritrea, Ethiopia, Kenya, Malawi, Mozambique, Namibia, South Africa (Eastern Cape, KwaZulu-Natal), Tanzania, Uganda, Zambia, Zimbabwe.

fulvula

Anthrax fulvula Wiedemann, 1821b: 148. TYPE LOCALITY: Indonesia (Java) [H in ZMUC*].

Anthrax degenera Walker, 1856a: 15. TYPE LOCALITY: Singapore [L designated by Evenhuis & Yukawa (1986: 452) in BMNH*].

Anthrax indicatura Walker in Evenhuis & Yukawa, 1986: 453. *Nomen nudum*. *fulunla*, error for *fulvula*.

DISTRIBUTION: **Australasian/Oceanian**: ?Australia, Indonesia (Maluku), ?PNG (PNG). **Oriental**: Indonesia (Java, Kalimantan, Nusa Tenggara, Sulawesi), Malaysia (Peninsular, Sabah, Sarawak), Singapore. **Palaeartic**: Japan.

fumipennis

Petrorossia fumipennis Hesse, 1956a: 327. TYPE LOCALITY: South Africa (KwaZulu-Natal) [H in SAMC].

DISTRIBUTION: **Afrotropical**: Kenya, South Africa (KwaZulu-Natal).

funebri

Petrorossia funebri Frey, 1934: 320. TYPE LOCALITY: Indonesia (Timor) [2S in MZHF].

DISTRIBUTION: **Oriental**: Indonesia (Timor).

fusca

Petrorossia fusca Zaitzev, 1966b: 220. TYPE LOCALITY: Armenia [H in ZIS].

DISTRIBUTION: **Palaeartic**: Armenia.

fuscicosta

Petrorossia fuscicosta Bezzi, 1924a: 153. TYPE LOCALITY: “Abyssinia” [= Ethiopia] [H in BMNH*].

DISTRIBUTION: **Afrotropical**: Ethiopia.

gracilis[†]

Lomatia gracilis Giebel, 1862: 318. TYPE LOCALITY: Not given [= ?Tanzania] (Holo-

cene) [K] [H in NMCL].

DISTRIBUTION: **Afrotropical**: ?Tanzania (Holocene).

guanchorum

Petrorossia guanchorum François, 1970a: 71. TYPE LOCALITY: Canary Is [H in KBIN*].

quanchorum, error for *guanchorum*.

DISTRIBUTION: **Palaeartic**: Canary Is, ?Israel.

gussakovskiji

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

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

hespera

Bibio hespera Rossi, 1790: 227. TYPE LOCALITY: Italy [T in UNKN].

Anthrax albipectus Walker, 1849: 262. TYPE LOCALITY: France [4S in BMNH*]. [Pre-occupied by Macquart, 1848.]

Petrorossia chraminensis Zaitzev, 1962d: 705. TYPE LOCALITY: Gruzia [H in ZIS].

Petrorossia dobrogica Dusa, 1966: 69. TYPE LOCALITY: Romania [H in MGAB].

DISTRIBUTION: **Palaeartic**: Algeria, Armenia, Austria, Azerbaijan, Bosnia-Herzegovina, Bulgaria, Canary Is, Croatia, Egypt, France (incl. Corsica), Greece (incl. Corfu, Ithaca, Lesbos), Gruzia, Israel, Italy, Kyrgyz Republic, Libya, Macedonia, Malta, Moldova, Morocco, Portugal, Romania, Russia (SET), Spain, Tajikistan, Tunisia, Turkey, Turkmenistan, Ukraine, Uzbekistan, Yugoslavia.

imbutata

Petrorossia imbutata Hesse, 1956a: 330. TYPE LOCALITY: "South-West Africa" [= Namibia] [H in SAMC].

DISTRIBUTION: **Afrotropical**: Namibia.

intermedia

Argyramoeba intermedia Brunetti, 1920: 221. TYPE LOCALITY: India (Orissa) [H in NZSI].

DISTRIBUTION: **Oriental**: India (Orissa, Uttar Pradesh), Pakistan, Sri Lanka.

irakensis

Petrorossia irakensis Zaitzev, 1976c: 692. TYPE LOCALITY: Iraq [H in ZIS].

DISTRIBUTION: **Palaeartic**: Iraq.

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 TAU].

DISTRIBUTION: **Palaeartic**: Israel.

karoohana

Petrorossia karoohana Hesse, 1956a: 330. TYPE LOCALITY: South Africa (Eastern Cape) [H in NMSA*].

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

letho

Anthrax letho Wiedemann, 1828: 566. TYPE LOCALITY: “Nubien” [= Sudan] [H in SMFD].

Anthrax longitarsis Becker, 1902: 23. TYPE LOCALITY: “Oase der Sahara, Laghouat” [= Algeria] [L designated by Evenhuis & Greathead (1999: 649) in KBIN*].

DISTRIBUTION: **Afrotropical**: Benin, Chad, Eritrea, Ethiopia, Kenya, Somalia, Sudan. **Palaeartic**: Afghanistan, Algeria, Austria, Bosnia-Herzegovina, Bulgaria, Croatia, Egypt, France, Iran, Italy, Libya, Macedonia, Russia (SET), Saudi Arabia, Slovenia, Spain, Tajikistan, Turkey, Turkmenistan, Uzbekistan, Yugoslavia.

liliputiana

Petrorossia letho var. *liliputiana* Bezzi, 1925: 214. TYPE LOCALITY: Algeria & Egypt & Tunisia [6S (destroyed) in ESEC (see Note 4)].

DISTRIBUTION: **Palaeartic**: Algeria, Egypt, Tunisia.

limitarsis

Argyramoeba limitarsis Brunetti, 1909b: 217. TYPE LOCALITY: India (Uttar Pradesh) [H in NZSI].

Argyramoeba limitaris Brunetti, 1920: 220 (unjustified emendation of *Argyramoeba limitarsis* Brunetti, 1909).

DISTRIBUTION: **Oriental**: India (Punjab, Uttar Pradesh).

loginovae

Petrorossia loginovae Zaitzev, 1974a: 320. TYPE LOCALITY: Turkmenistan [H in ZIS].

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

lucidipennis

Petrorossia lucidipennis Zaitzev, 1966b: 215. TYPE LOCALITY: Armenia [H in ZIS].

DISTRIBUTION: **Palaeartic**: Armenia, Azerbaijan, Gruzia, Israel, Tajikistan, Turkmenistan, Uzbekistan.

margaritae

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

DISTRIBUTION: **Palaeartic**: Israel.

masieneensis

Petrorossia masieneensis Hesse, 1956a: 321. TYPE LOCALITY: “Portuguese East Africa” [= Mozambique] [2S in SAMC].

DISTRIBUTION: **Afrotropical**: Mozambique.

media

Petrorossia media Séguy, 1931a: 117. TYPE LOCALITY: Mozambique [H in MNHN*].

DISTRIBUTION: **Afrotropical**: Mozambique.

mesasiatica

Petrorossia mesasiatica Zaitzev, 1974b: 802. TYPE LOCALITY: Tajikistan [H in ZIS].

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

modesta

Petrorossia modesta Zaitzev, 1966b: 221. TYPE LOCALITY: Armenia [H in ZIS].

DISTRIBUTION: **Palaeartic**: Armenia, Azerbaijan, Gruzia, Israel, Mongolia,

Tajikistan, Turkmenistan.

nigrifascia

Petrrossia nigrifascia Evenhuis & Arakaki, 1980: 311. TYPE LOCALITY: Philippines [H in BPBM*].

DISTRIBUTION: **Oriental:** Philippines.

nigrofemorata

Argyramoeba nigrofemorata Brunetti, 1909b: 219. TYPE LOCALITY: India (Uttar Pradesh) [H in NZSI].

DISTRIBUTION: **Oriental:** India (Maharashtra, Uttar Pradesh).

obscurior

Petrrossia obscurior Bowden, 1964a: 74. TYPE LOCALITY: "Togoland" [= Ghana] [H in JB].

DISTRIBUTION: **Afrotropical:** Ghana.

oceanica

Petrrossia oceanica Bowden, 1971d: 313. TYPE LOCALITY: PNG (Bismarck Arch) [H in ZMUC].

DISTRIBUTION: **Australasian/Oceanian:** PNG (Bismarck Arch).

orientalis

Petrrossia orientalis Zaitzev, 1988b: 864 [1990: 109]. TYPE LOCALITY: India (Kashmir) [H in ZMUC].

DISTRIBUTION: **Oriental:** India (Kashmir).

phthinoxantha

Petrrossia phthinoxantha Bowden, 1964a: 70. TYPE LOCALITY: "Togoland" [= Ghana] [H in JB].

DISTRIBUTION: **Afrotropical:** Ghana, Nigeria, Senegal.

plerophaia

Petrrossia plerophaia Hesse, 1956a: 322. TYPE LOCALITY: "South-West Africa" [= Namibia] [11S in SAMC; 1S in BMNH*; 4S in NMBZ; 1S in DEI*; 1S in DMSA; 1S in NMSA*].

DISTRIBUTION: **Afrotropical:** Namibia, South Africa (KwaZulu-Natal, Mpumalanga), Zimbabwe.

royi

Petrrossia royi François, 1969a: 393. TYPE LOCALITY: Senegal [H in MNHN*].

DISTRIBUTION: **Afrotropical:** Senegal.

rufiventris

Petrrossia rufiventris Zaitzev, 1966b: 223. TYPE LOCALITY: Tajikistan [H in ZIS].

DISTRIBUTION: **Palearctic:** Armenia, Azerbaijan, China, Gruzia, Israel, Tajikistan, Turkmenistan, Uzbekistan.

sceliphronina

Petrrossia sceliphronina Séguéy, 1935: 177. TYPE LOCALITY: China (Jiangxi) [S in MNHN].

DISTRIBUTION: **Palearctic:** China (Jiangxi).

serata

Aphoebantus seratus Aldrich, 1928: 2. TYPE LOCALITY: India (Meghalaya) [H in USNM*].

DISTRIBUTION: **Oriental:** India (Meghalaya).

shibanovae

Petrrossia shibanovae Zaitzev, 1999c: 710 [2000a: 646]. TYPE LOCALITY: Israel [H in TAU].

DISTRIBUTION: **Palaeartic:** Israel.

sokotrae

Anthrax sokotrae Ricardo, 1903: 367. TYPE LOCALITY: Yemen (Socotra) [4S in BMNH*].

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

stackelbergi

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

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

stenogastra

Anthrax stenogastra Costa, 1884: 61 [1885: 252]. TYPE LOCALITY: Italy (Sardinia) [T in MZUN].

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

talawila

Petrrossia talawila Zaitzev, 1987: 650 [1988: 8]. TYPE LOCALITY: Sri Lanka [H in ZIS].

DISTRIBUTION: **Oriental:** Sri Lanka.

tenuis

Anthrax tenuis Walker, 1871b: 271. TYPE LOCALITY: Ethiopia [T (lost) in BMNH (see Waterhouse, 1906: 598)].

DISTRIBUTION: **Afrotropical:** Ethiopia.

tropicalis

Petrrossia hesperus ssp. *tropicalis* Bezzi, 1921a: 168. TYPE LOCALITY: “S.W. Protectorate” [= Namibia] [H in SAMC].

Petrrossia hesperus var. *tropicalis* Bezzi, 1924a: 152. TYPE LOCALITY: “Nyasaland Protectorate” [= Malawi] & Nigeria & “N.-W. Rhodesia” [= Zambia] [5S in BMNH*]. [Preoccupied by Bezzi, 1921.]

DISTRIBUTION: **Afrotropical:** Eritrea, Ethiopia, Kenya, Malawi, Namibia, Nigeria, Somalia, South Africa (Eastern Cape, Western Cape), Tanzania, Zambia, Zimbabwe. **Palaeartic:** Oman, Saudi Arabia.

vinula

Petrrossia vinula Bezzi, 1921a: 120. TYPE LOCALITY: South Africa (Western Cape) [2S in SAMC].

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

volkovitshi

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

DISTRIBUTION: **Palaeartic:** Israel.

williamsi

Petrrossia williamsi Evenhuis & Arakaki, 1980: 311. TYPE LOCALITY: Philippines [H in BPBM*].

DISTRIBUTION: **Oriental:** Philippines.

Genus **PIPUNCULOPSIS** Bezzi

PIPUNCULOPSIS Bezzi, 1925: 211. Type species: *Pipunculopsis bivittata* Bezzi, 1925, by original designation.

arenivaga

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

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

bivittata

Pipunculopsis bivittata Bezzi, 1925: 212. TYPE LOCALITY: Egypt [27S in ESEC; 1S in MSNM].

DISTRIBUTION: **Afrotropical:** Sudan. **Palaeartic:** Egypt, Israel, Turkmenistan, Uzbekistan.

deserta

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

DISTRIBUTION: **Palaeartic:** Israel.

stackelbergi

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

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

Genus **PROTHAPLOCNEMIS** Bezzi

PROTHAPLOCNEMIS Bezzi, 1925: 220. Type species: *Argyromoeba anthracina* Becker, 1902 (as “*Argyramoeba*”), by original designation.

anthracina

Argyromoeba anthracina Becker, 1902: 29. TYPE LOCALITY: Egypt [1S in ZMHB*].

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

persica

Argyromoeba persica Paramonov, 1924b: 61. TYPE LOCALITY: Iran [H in ZMHB*].

DISTRIBUTION: **Palaeartic:** Iran.

Genus **XERAMOEBA** Hesse

XERAMOEBA Hesse, 1956a: 356. Type species: *Xeramoeba apricaria* Hesse, 1956, by original designation.

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

albula

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

DISTRIBUTION: **Palaeartic:** Uzbekistan.

apricaria

Xeramoeba apricaria Hesse, 1956a: 358. TYPE LOCALITY: South Africa (Western Cape) [H in SAMC*].

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

arabica

Xeramoeba arabica Greathead, 1980b: 317. TYPE LOCALITY: Saudi Arabia [H in BMNH*].

DISTRIBUTION: **Palaeartic**: Saudi Arabia.

davidi

Dematoneura davidi Zaitzev, 1997: 906 [1998b: 651]. TYPE LOCALITY: Israel [H in ZIS].

DISTRIBUTION: **Palaeartic**: Israel.

gracilis

Xeramoeba gracilis Bowden, 1964a: 79. TYPE LOCALITY: Ghana [H in JB].

DISTRIBUTION: **Afrotropical**: Ghana.

infuscata

Xeramoeba infuscata Greathead, 1967: 240. TYPE LOCALITY: Chad [H in BMNH*].

DISTRIBUTION: **Afrotropical**: Chad, Eritrea, Mali.

kinereti

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

DISTRIBUTION: **Palaeartic**: Israel.

lepida

Argyromoeba lepida Hermann, 1907: 196. TYPE LOCALITY: Turkey [T in ZSMC].

DISTRIBUTION: **Palaeartic**: Afghanistan, Iran, Israel, Turkey.

minor

Chionamoeba minor Greathead, 1967: 239. TYPE LOCALITY: Eritrea [H in BMNH*].

DISTRIBUTION: **Afrotropical**: Eritrea.

oophaga

Anthrax oophagus var. *parva* Paramonov in Zakhvatkin, 1931: 386. *Nomen nudum*.

Anthrax oophaga Zakhvatkin, 1931: 390 [1934: 179]. TYPE LOCALITY: Uzbekistan & Kazakhstan [4S in SIZK].

Anthrax oophagus Paramonov, 1935: 15, 29 (key only) [1936b: 133]. TYPE LOCALITY: “Turkestan” [= Turkmenistan & Uzbekistan (see Paramonov, 1936b: 133)] [4S in SIZK (assumed as the same type specimens as for *oophaga* Zakhvatkin)]. [Pre-occupied by Zakhvatkin, 1934.]

Anthrax oophagus var. *parva* Paramonov, 1935: 15, 29 (key only) [1936b: 134]. TYPE LOCALITY: “Turkestan” [= Turkmenistan & Uzbekistan (see Paramonov, 1936b: 134)] [3S in ZIS].

DISTRIBUTION: **Afrotropical**: Mali, Niger. **Oriental**: Pakistan. **Palaeartic**: Iraq, Kazakhstan, Oman, Saudi Arabia, Tajikistan, Turkmenistan, Uzbekistan.

pallipes

Spongostylum pallipes Loew, 1869b: 227. TYPE LOCALITY: “Makri” [= Greece] [H in ZMHB*].

DISTRIBUTION: **Palaeartic**: Greece (incl. Rhodes), Iran, Syria, Turkey.

ramsesi

Anthrax ramsesi Paramonov, 1935: 15, 29 (key only) [1936b: 142]. TYPE LOCALITY: Egypt [H in SIZK].

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

rubicunda

Chiasmella sabulonis var. *rubicunda* Bezzi, 1925: 217. TYPE LOCALITY: Egypt [L designated by El Hawagry (2001a: 155) in ESEC].

DISTRIBUTION: **Afrotropical**: Sudan. **Palaeartic**: Egypt.

sabulonis

Argyromoeba sabulonis Becker, 1906c: 149. TYPE LOCALITY: Algeria [H in ZMHB*].

Petrorossia latifrons Bezzi, 1925: 214. TYPE LOCALITY: Egypt [H in ESEC].

DISTRIBUTION: **Afrotropical**: Sudan. **Palaeartic**: Algeria, Egypt, Greece, Israel, Macedonia, Tunisia, Turkey, Yugoslavia.

salwae

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

DISTRIBUTION: **Palaeartic**: Egypt.

semirufa

Chionamoeba semirufa Sack, 1909: 545. TYPE LOCALITY: Iran [H in ZIS].

DISTRIBUTION: **Oriental**: Pakistan. **Palaeartic**: Afghanistan, Egypt, Iran, Saudi Arabia.

stackelbergi

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

DISTRIBUTION: **Palaeartic**: Tajikistan.

turkmenica

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

DISTRIBUTION: **Palaeartic**: Turkmenistan.

Unplaced Taxa of ANTHRACINAE Latreille

affinis

Anthrax affinis Eversmann, 1834: 423. *Nomen nudum*.

claripennis

Anthrax claripennis Loew in Hermann & Villeneuve, 1909: 148. *Nomen nudum*.
[Preoccupied by Kowarz, 1868.]

gnatus

Anthrax gnata Walker, 1852: 186. TYPE LOCALITY: Not given [= unknown] [H in UNKN].

DISTRIBUTION: **Patria Ignota**: Unknown.

illatus

Anthrax illata Walker, 1852: 191. TYPE LOCALITY: Not given [= unknown] [H in UNKN].

DISTRIBUTION: **Patria Ignota**: Unknown.

insularis

Anthrax insularis Walker, 1849: 243. TYPE LOCALITY: Not given [= unknown] [H in UNKN].

DISTRIBUTION: **Patria Ignota**: Unknown.

palumbii

Anthrax palumbii Rondani, 1877: 55. TYPE LOCALITY: Italy (Sicily) [T in UNKN].

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

reductus

Anthrax reducta Walker, 1852: 184. TYPE LOCALITY: Not given [= unknown] [H in UNKN].

DISTRIBUTION: **Patria Ignota**: Unknown.

trivittatus

Anthrax trivittata Macquart, 1834: 410. TYPE LOCALITY: Not given [= Europe] [T in UNKN (originally in Percheron Collection)].

DISTRIBUTION: **Patria Ignota**: Unknown.

Unplaced Genera of **BOMBYLIIDAE** Latreille

Genus **PACHYSYSTROPUS** Cockerell

PACHYSYSTROPUS[†] Cockerell, 1909b: 56. Type species: *Pachysystropus rohweri* Cockerell, 1909, by monotypy.

condemnatus[†]

Pachysystropus condemnatus Cockerell, 1910: 287. TYPE LOCALITY: USA (Colorado) (Oligocene) [C] [H in UCGC*].

DISTRIBUTION: **Nearctic**: USA (Colorado) (Oligocene).

rohweri^{††}

Pachysystropus rohweri Cockerell, 1909b: 56. TYPE LOCALITY: USA (Colorado) (Oligocene) [C] [H in PMNH].

DISTRIBUTION: **Nearctic**: USA (Colorado) (Oligocene).

Genus **PALAEOGERON** Meunier

PALAEOGERON[†] Meunier, 1915a: 195. Type species: *Palaeogeron vetustus* Meunier, 1915, by monotypy.

vetustus[†]

Palaeogeron vetustus Meunier, 1915a: 195. TYPE LOCALITY: France (Oligocene) [C] [H in GMUG].

DISTRIBUTION: **Palaeartic**: France (Oligocene).

Genus **TITHONOMYIA** Evenhuis

TITHONOMYIA[†] Evenhuis, 1984a: 160. Type species: *Protophthiria atra* Melander, 1949, by original designation.

atra[†]

Protophthiria atra Melander, 1949: 33. TYPE LOCALITY: USA (Colorado) (Oligocene) [C] [H in USNM*].

DISTRIBUTION: **Nearctic**: USA (Colorado) (Oligocene).

Unplaced Species of **BOMBYLIIDAE** Latreille

albitaeniata

Anthrax albitaeniata Morge, 1960: 92. *Nomen nudum*.

analis

Anthrax analis Lichtenstein, 1796: 215. TYPE LOCALITY: “Cap. bon. spei.” [= South Africa (Western Cape)] [T in UNKN (sold at auction)].

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

atropos

Bombylius atropos Thunberg, 1789: 92. TYPE LOCALITY: “Cap. b. spei.” [= South

Africa (Western Cape)] [T in UZIU].

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

canipila

Anthrax canipila Morge, 1960: 92. *Nomen nudum*.

capensis

Musca capensis Meuschen, 1787: 212. *Nomen nudum*.

catta

Musca decimatertia Schaeffer, 1769: pl. 107, fig. 5 (as “*decima tertia*”). [Unavailable; name proposed in a non-binominal work.]

Anthrax catta Panzer, 1804: 117. TYPE LOCALITY: Germany [T in UNKN].

DISTRIBUTION: **Palearctic**: Germany.

fusca

Musca fusca Gmelin, 1790: 2833. TYPE LOCALITY: “extra Europam” [T (destroyed) in NMID (see Thompson & Pont, 1994: 35)]. [Preoccupied by Harris, 1776; no new replacement name proposed here.]

DISTRIBUTION: **Patria Ignota**: “extra Europam”.

fuscipennis

Anthrax fuscipennis Morge, 1960: 92. *Nomen nudum*. [Preoccupied by Macquart, 1834.]

guttata

Tanyglossa guttata Thunberg, 1827: 72. TYPE LOCALITY: Not given [probably = South Africa (Western Cape) (E.E. Austen, *in litt.*)] [T in UZIU].

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

holosericeus

Mulio holosericeus Wiedemann, 1818a: 13. *Nomen nudum*.

Nemotelus striatus Pallas *in* Wiedemann, 1818a: 13. *Nomen nudum*.

incana

Exoprosopa incana Morge, 1976: 384. *Nomen nudum*.

lugens

Biblio lugens Thunberg, 1789: 89. TYPE LOCALITY: “cap. b. Spei” [= South Africa (Western Cape)] [T in UZIU].

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

lynx

Musca dvodecima Schaeffer, 1769: pl. 107, fig. 5. [Unavailable; name proposed in a non-binominal work.]

Anthrax lynx Panzer, 1804: 116. TYPE LOCALITY: Germany [T in UNKN].

DISTRIBUTION: **Palearctic**: Germany.

maurus

Bombylius maurus Thunberg, 1789: 92. TYPE LOCALITY: “Cap. bon. spei.” [= South Africa (Western Cape)] [T in UZIU]. [Preoccupied by Olivier, 1789; no new

replacement name proposed here.]

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

melanoptera

Musca melanoptera Gmelin, 1790: 2833. TYPE LOCALITY: “extra Europam” [T (lost) in NMID (see Thompson & Pont, 1994: 35)].

DISTRIBUTION: **Patria Ignota**: “extra Europam”.

multipunctata

Tanyglossa multipunctata Thunberg, 1827: 74. TYPE LOCALITY: “Insula Isle de France” [= Mauritius] [T in UZIU].

DISTRIBUTION: **Afrotropical**: Mauritius.

nigritus

Bombylius nigritus Cyrillus, 1787: 7. TYPE LOCALITY: Italy [T (destroyed) in DCPC (see Evenhuis, 1997: 185)].

DISTRIBUTION: **Palaeartic**: Italy.

polyzonias

Musca polyzonias Lepekhin, 1775: 211, pl. 11, fig. 29. [Unavailable; name published in a non-binominal work.]

Musca polyzonias Gmelin, 1790: 2833. TYPE LOCALITY: “Sibirien” [= Russia (ES or WS)] [T (lost) in NMID (see Thompson & Pont, 1994: 35)].

DISTRIBUTION: **Palaeartic**: Russia (ES or WS).

pygmaeus

Bombylius pygmaeus Modéer, 1786: 301. TYPE LOCALITY: “Sibirien” [= Russia (ES or WS)] [T (lost) in NHRS (T. Pape, pers. comm.)]. [Preoccupied by Fabricius, 1781; no new replacement name proposed here.]

DISTRIBUTION: **Palaeartic**: “Sibirien” [= Russia (ES or WS)].

quadrinotatus

Anthrax quadrinotatus Sherborn, 1932: 177. *Nomen nudum*.

similis

Bombylius similis Modéer, 1786: 294. TYPE LOCALITY: South Africa (Western Cape) [T (lost) in NHRS (T. Pape, pers. comm.)].

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

tabaniformis

Nemotelvs vicesimvs septimvs Schaeffer, 1769: pl. 107, fig. 5. [Unavailable; name proposed in a non-binominal work.]

Anthrax tabaniformis Panzer, 1804: 205. TYPE LOCALITY: Germany [T in UNKN].

DISTRIBUTION: **Palaeartic**: Germany.

tabanoides

Anthrax tabanoides Lichtenstein, 1796: 215. TYPE LOCALITY: “Cap. bon. spei.” [= South Africa (Western Cape)] [T in UNKN (sold at auction)].

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

tessellatus

Anthrax tessellatus Lichtenstein, 1796: 215. TYPE LOCALITY: “Cap. bon. spei.” [= South Africa (Western Cape)] [T in UNKN (sold at auction)].

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

variegatus

Bombylius variegatus Thunberg, 1789: 92. TYPE LOCALITY: “Cap. bon. spei.” [= South Africa (Western Cape)] [T in UZIU]. [Preoccupied by De Geer, 1776; no new replacement name proposed here.]

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

TAXA QUESTIONABLY PLACED IN BOMBYLIIDAE

Genus **ANTHRACIDA** Germar

ANTHRACIDA[†] Germar, 1849: 64. Type species: *Anthracida xylozona* Germar, 1849, by monotypy.

xylozona[†]

Anthracida xylozona Germar, 1849: 64. TYPE LOCALITY: Germany (Oligocene) [C] [H in ZFMK].

DISTRIBUTION: **Palaeartic**: Germany (Oligocene) [C].

TAXA REMOVED FROM BOMBYLIIDAE

Aside from the recent transfer of the subfamily Proratinae [including the species in the genera *Alloxytropus*, *Caenotus*, *Caenotoides*, *Jackhallia*, and *Prorates*] to Scenopinidae; and the raising of Mythicomyiinae [including the over 320 species in the genera *Acoecus*, *Acridophagus*, *Cephalodromia*, *Cyrtisiopsis*, *Cyrtoides*, *Cyrtosia*, *Doliopteryx*, *Empidideicus*, *Euanthobates*, *Glabellula*, *Leylaiya*, *Mnemomyia*, *Mythicomyia*, *Nexus*, *Onchopelma*, *Palaeoplatypygus*, *Paraconsors*, *Platypygus*, *Procyrtosia*, *Proplatypygus*, *Pseudoglabellula*, and *Psiloderoides*] to separate family status, the following species, originally described or at one time considered in Bombyliidae, have been previously transferred to other families:

- Anthrax genius* Panzer, 1798: Heft 54, fig. 4 — to **Rhagionidae** (Unplaced) [Palaeartic].
Anthrax titanus Fabricius, 1798: 554 — to **Athericidae** (*Atherix*) [Palaeartic].
Apystomyia elinguis Melander, 1950b: 147 — to **Apystomyiidae** (*Apystomyia*) [Nearctic].
Bombylius apulus Cyrillus, 1787: 7 — to **Tabanidae** (Unplaced) [Palaeartic].
Bombylius marginatus Cyrillus, 1787: 8 — to **Tabanidae** (Unplaced) [Palaeartic].
Bombylius tabaniformisgriseus De Geer, 1776: 270 — to **Tabanidae** (*Philoliche*) [Afrotropical].
Bombylius tabaniformisrufus De Geer, 1776: 272 — to **Tabanidae** (Unplaced) [Afrotropical].
Caenotus thompsonii Evenhuis, 1977: 122 — to **Therevidae** (*Brachylinga*) [Nearctic].
Cytherea fasciata Fabricius, 1805: 116 — to **Nemestrinidae** (*Fallenia*) [Palaeartic].
Fraudator perspicuus Hutton, 1901: 23 — to **Empididae** (*Homalocnemis*) [Australasian/Oceanian].
Phthiria dubia[†] Germar, 1837: pl. 24 — to **Bibionidae** (*Bibio*) [Palaeartic].
Ploas rhagioniformis Dufour, 1833: 213 — to **Therevidae** (*Chrysanthemyia*) [Palaeartic].
Stygia elongata Say, 1823: 41 — to **Rhagionidae** (*Dialysis*) [Nearctic].
Tanyglossa fusca Thunberg, 1827: 69. — to **Tabanidae** (*Fidena*) [Neotropical].
Tanyglossa vittata Thunberg, 1827: 70 — to **Tabanidae** (*Philoliche*) [Afrotropical].
Zarzia zherichini[†] Zaitzev, 1986: 818 — to **Rhagionidae** (*Zarzia*) [Palaeartic].