

**Family Syrphidae Latreille**

Syrphiae Latreille 1802: 449  
Syrphidae Samouelle 1819: 296

References: Bezzi 1915 (revision); Curran 1927: 45 (key to Afrotropical genera), 1938a,b, 1939a, b (reviews of Afrotropical genera & species); Smith & Vockeroth 1969 (catalog); Dirickx 1998 (catalog); Whittington 2003 (fauna assessment).

Regional references: Scott 1933 (Seychelles, overview); Keiser 1971 (Madagascar); Clausen & Barkemeyer 1987 (Cape Verde Is.), 2002 (Cape Verde Is.)

**Subfamily Microdontinae Rondani**

Microdonellae Rondani 1845: 451  
Aphritadae Fleming 1821

The classification of the Microdontinae remains a problem. Previously I (FCT) have recommend lumping all Afrotropical groups under a single genus, *Microdon*. However, for identification purposes breaking down into identifiable units and using those as genus seems best, which is what we later did (Cheng & Thompson 2008). Later and before publication, a phylogenetic analysis of the Microdontinae may reveal a reasonable classification for this group.

References: Bezzi 1915: 119 (key to groups, keys to spp.); Curran 1938a: 4 (key spp.); Cheng & Thompson 2008: 23 (key to world genera).

Tribe Microdontini Rondani

**Genus *Afromicrodon* Thompson**

*Afromicrodon* Thompson 2008: 26. Type-species, *Microdon johannae* van Doesburg (original designation).  
"Ceratophya" of afrotropical authors

**comoroensis**.--(AF: AF) Comoros.

*Ceratophya comoroensis* De Meyer, De Bruyn & Janssens 1990: 571. Type-locality: Comoros. Grande Comore, Boboni, 625 m.--(HT M MRAC). Dirickx 1998: 24 (catalog citation).

*Microdon comoroensis*. Whittington 2004: 597 (citation, fauna assessment)

**johannae**.--(AF: AF) Madagascar.

*Microdon johannae* Doesburg 1957: 109. Type-locality:  
Madagascar, Ankaratra, Station forestière de  
Manjakatompo (HT M IRSM). Smith & Vockeroth 1980: 308  
(catalog citation); Dirickx 1998: 90 (catalog  
citation); Whittington 2004: 597 (citation, fauna  
assessment).

*Ceratophya johannae*. Dirickx 1998: 24 (catalog citation).

**madecassa**.--(AF: AF) Madagascar.

*Ceratophya madecassa* Keiser 1971: 256. Type-locality:  
Madagascar. O-M: Moramanga, 9 km South of (Tam.) (HT M  
MNHN Paris [Keiser]). Smith & Vockeroth 1980: 308  
(catalog citation); Dirickx 1998: 24 (catalog  
citation).

*Microdon madecassa*. Whittington 2004: 597 (citation, fauna  
assessment)

**stuckenbergi**.--(AF: AF) Madagascar.

*Ceratophya stuckenbergi* Keiser 1971: 258. Type-locality:  
Madagascar. C-M: Vakoana, Andringitra (Fia.) (HT F MNHN  
Paris [Stuckenberg]). Smith & Vockeroth 1980: 308  
(catalog citation); Dirickx 1998: 25 (catalog  
citation).

*Microdon stuckenbergi*. Whittington 2004: 597 (citation,  
fauna assessment)

### **Genus *Ceratrichomyia* Seguy**

*Ceratrichomyia* Seguy 1951: 14. Type-species, *behara* Seguy  
(original designation).

**behara**.--(AF: AF) Madagascar

*Ceratrichomyia behara* Seguy 1951: 14. Type-locality:  
Madagascar, Behara (ST M F MNHNP). Smith & Vockeroth  
1980: 308 (catalog citation); Dirickx 1998: 25 (catalog  
citation).

*Microdon behara*. Whittington 2004: 597 (citation, fauna  
assessment).

Types. Séguay designated a type male, type female and a cotype  
male. The male and female types were collected at the same place  
at the same time. The cotype male was collected at Bekily  
earlier.

### **Genus *Hovamicrodon* Keiser**

*Hovamicrodon* Keiser 1971: 248. Type-species, *silvester* Keiser  
(original designation).

***flavifacies***--(AF: AF) Madagascar.

*Hovamicrodon flavifacies* Keiser 1971: 248. Type-locality: Madagascar. N-M: Analamerana (D.-S.), 50 km southeast Diego-Suarez (HT F IRSN). Smith & Vockeroth 1980: 308 (catalog citation); Dirickx 1998: 58 (catalog citation).

*Microdon flavifacies*. Whittington 2004: 597 (citation, fauna assessment)

***fuscipennis***--(AF: AF) Madagascar.

*Hovamicrodon fuscipennis* Keiser 1971: 249. Type-locality: Madagascar. O-M: Périnet (Tam.) (HT F MNHN Paris [Keiser]). Smith & Vockeroth 1980: 308 (catalog citation); Dirickx 1998: 58 (catalog citation).

*Microdon fuscipennis*. Whittington 2004: 597 (citation, fauna assessment)

***nubecula***--(AF: AF) Madagascar.

*Hovamicrodon nubecula* Keiser 1971: 250. Type-locality: Madagascar. O-M: Périnet (Tam.) (HT F MNHN Paris [Keiser]). Smith & Vockeroth 1980: 308 (catalog citation); Dirickx 1998: 58 (catalog citation).

*Microdon nubecula*. Whittington 2004: 597 (citation, fauna assessment)

***silvester***--(AF: AF) Madagascar.

*Hovamicrodon silvester* Keiser 1971: 251. Type-locality: Madagascar. N-M: Montage d'Ambre (D.-S.), 1000 m.--(HT M MNHN Paris [Stuckenbergs]). Smith & Vockeroth 1980: 308 (catalog citation); Dirickx 1998: 58 (catalog citation).

*Microdon silvester*. Whittington 2004: 597 (citation, fauna assessment)

**Genus *Megodon* Keiser**

*Megodon* Keiser 1971: 252. Type-species, *stuckenbergi* Keiser (original designation).

***stuckenbergi***--(AF: AF) Madagascar.

*Megodon stuckenbergi* Keiser 1971: 253. Type-locality: Madagascar. N-M: Montage d'Ambre (D.-S.) (HT M MNHN Paris [Stuckenbergs]). Smith & Vockeroth 1980: 509 (catalog citation); Dirickx 1998: 74 (catalog citation).

*Microdon stuckenbergi*. Whittington 2004: 597 (citation, fauna assessment)

**Genus *Microdon* Meigen**

*Microdon* Meigen 1803: 275. Type-species, *Musca mutabilis* Linnaeus (monotypy).

*Ceratoconcha* Simroth 1907: 796. Type-species, *schultzei* Simroth (original designation & monotypy). Preocc.

Kramberger-Gorjanovic 1889. Description based on larva.

***acantholepidis*.**--(AF: AF) South Africa

*Microdon acantholepidis* Speiser, 1913: 141. Type-locality: South Africa. Smith & Vockeroth 1980: 509 (catalog citation); Dirickx 1998: 87 (catalog citation); Whittington 2003: 597 (citation; fauna assessment).

***aethiopicus*.**--(AF: AF) Ethiopia

*Microdon aethiopicus* Rondani, 1873: 282. Type-locality: Ethiopia. Kertész 1910: 351 (catalog citation); Hervé-Bazin 1913: 97 (????); Smith & Vockeroth 1980: 509 (catalog citation); Dirickx 1998: 87 (catalog citation); Whittington 2004: 597 (citation; fauna assessment).

***ampefyanus*.**--(AF: AF) Madagascar.

*Microdon ampefyanus* Keiser 1971: 239. Type-locality: Madagascar, C-M: Ampefy, Lac Kavitaha (Tan.) (HT M MNHN Paris [Keiser]). Smith & Vockeroth 1980: 509 (catalog citation); Dirickx 1998: 87 (catalog citation); Whittington 2004: 597 (citation, fauna assessment).

***apis*.**--(AF: AF) South Africa

*Microdon apis* Speiser, 1913: 145. Type-locality: Cameroun. Doesburg 1956: 516 (????); Smith & Vockeroth 1980: 509 (catalog citation); Dirickx 1998: 87 (catalog citation); Whittington 2004: 597 (citation; fauna assessment).

***appendiculatus*.**--(AF: AF) Liberia

*Microdon appendiculata* Curran, 1929: 6. Type-locality: Liberia. Kakatown (HT M AMNH). Curran 1938: 5 (????); Smith & Vockeroth 1980: 509 (catalog citation); Dirickx 1998: 88 (catalog citation); Whittington 2004: (citation; fauna assessment).

***aureomagnificus*.**--(AF: AF) Zaire

*Microdon aureomagnificus* Hull, 1944: 242. Type-locality: Zaire (T A BMNH). Smith & Vockeroth 1980: 509 (catalog citation); Dirickx 1998: 87 (catalog citation); Whittington 2004: 597 (citation; fauna assessment).

***bequaerti*.**--(AF: AF) Liberia

*Microdon bequaerti* Curran, 1929: 3. Type-locality: Liberia. Gbanga (HT M AMNH). Curran 1938: 5 (????); Smith & Vockeroth 1980: 509 (catalog citation); Dirickx 1998: 88 (catalog citation); Whittington 2004: 597 (citation;

fauna assessment).

**brevicornis**.--(AF: AF) Ghana, Ivory Coast, Kenya, Zaire

*Microdon brevicornis* Loew, 1858: 376. Type-locality: South Africa (T ♀ NRS). Loew 1860: 363 ( ???? ); Kertész 1910: 353 (catalog citation); Hervé-Bazin 1913: 100 ( ???? ); Bezzi 1915: 123 ( ???? ), 1921: 19 ( ???? ); Curran 1923: 145 ( ???? ), 1938: 6 ( ???? ); Brunetti 1926: 166 ( ???? ); Szilády 1942: 92 ( ???? ); Smith & Vockeroth 1980: 509 (catalog citation); Dirickx 1998: 88 (catalog citation); Whittington 2004: 597 (citation, fauna assessment).

*Microdon brevicorne*. Speiser 1910: 130 ( ???? ).

**caeruleomaculatus**.--(AF: AF) Madagascar.

*Microdon caeruleomaculatus* Keiser 1971: 241. Type-locality: Madagascar, O-M: Ambodivoangy (Tam.) (HT F IRSM). Smith & Vockeroth 1980: 509 (catalog citation); Dirickx 1998: 87 (catalog citation); Whittington 2004: 597 (citation, fauna assessment)

**captum**.--(AF: AF) South Africa

*Microdon captum* Speiser, 1913: 146. South Africa.

Willowmore, (T ???? ). Doesburg 1956: 516 ( ???? ); Smith & Vockeroth 1980: 509 (catalog citation); Dirickx 1998: 89 (catalog citation); Whittington 2004: 597 (citation; fauna assessment).

**clatratus**.--(AF: AF) Madagascar.

*Microdon clatratus* Keiser 1971: 240. Type-locality: Madagascar, E-M: La Mandraka (Tam.) (HT F MNHN Paris [Keiser]). Smith & Vockeroth 1980: 509 (catalog citation); Dirickx 1998: 89 (catalog citation); Whittington 2004: 597 (citation, fauna assessment)

**cremastogastri**.--(AF: AF) South Africa

*Microdon cremastogastri* Speiser, 1913: 143. Type-locality: South Africa (T ♀ ). Smith & Vockeroth 1980: 509 (catalog citation); Dirickx 1998: 89 (catalog citation); Whittington 2004: 597 (citation; fauna assessment)..

**erythrocephalus**.--(AF: AF) Uganda

*Microdon erythrocephalus* Bezzi, 1915: 130. Type-locality: Uganda (ST 2 ♀ BMNH). Smith & Vockeroth 1980: 89 (catalog citation); Dirickx 1998: 89 (catalog citation); Whittington 2004: 597 (citation; fauna assessment).

**erythros**.--(AF: AF) Cameroun

*Microdon erythros* Bezzi, 1908: 382. Type-locality: Gabon (T ♂ ). Hervé-Bazin 1914: 481 ( ???? ); Bezzi 1915: 128 ( ???? ); Curran 1927: 47 ( ???? ), 1938: 5 ( ???? ); Smith & Vockeroth 1980: 509 (catalog citation); Dirickx

1998: 89 (catalog citation); Whittington 2004: 597 (citation; fauna assessment).

*Microdon ertherus*. Bezzi 1921: 21 (missp., ???? ).

*Microdon enrythros*. Curran 1923: 145 (missp., ???? ).

??? Henri has Zaire for type locality???

***fenestrellatus***.--(AF: AF) Madagascar.

*Microdon fenestrellatus* Keiser 1971: 242. Type-locality:

Madagascar, O-M: Rogez (Tam.) (HT M IRSM). Smith & Vockeroth 1980: 509 (catalog citation); Dirickx 1998: 90 (catalog citation); Whittington 2004: 597 (citation, fauna assessment)

***hova***.--(AF: AF) Madagascar.

*Microdon hova* Herve-Bazin 1913: 308 (head\*). Type-locality:

Madagascar, "Mont d'Ambre" (ST 1 M 3 F MNHNP). Keiser 1971: 243 (distribution); Smith & Vockeroth 1980: 509 (catalog citation); Dirickx 1998: 90 (catalog citation); Whittington 2004: 597 (citation, fauna assessment)

***inappendiculatus***.--(AF: AF) Liberia

*Microdon inappendiculatus* Curran, 1929: 7. Type-locality:

Liberia. Kakatown (HT M AMNH). Curran 1938: 5 (????); Smith & Vockeroth 1980: 509 (catalog citation); Dirickx 1998: 90 (catalog citation); Whittington 2004: 597 (citation; fauna assessment).

***inermis***.--(AF: AF) Kenya, Liberia, Zaire

*Microdon inermis* Loew, 1858: 376. Type-locality: South Africa (T ♂). Loew 1860: 364 (????); Kertész 1910: 356 (catalog citation); Hervé-Bazin 1913: 98 (????); Bezzi 1915: 133 (????), 1921: 21 (????); Curran 1923: 145 (????), 1927: 47 (????), 1938: 5 (????); Doesburg 1955: 357 (????); Smith & Vockeroth 1980: 509 (catalog citation); Dirickx 1998: 90 (catalog citation); Whittington 2004: 597 (citation; fauna assessment).

***kavitahaius***.--(AF: AF) Madagascar.

*Microdon kavitahaius* Keiser 1971: 243. Type-locality:

Madagascar, C-M: Ampefy, Lac Kavita (Tan.) (HT F MNHN Paris [Keiser]). Smith & Vockeroth 1980: 509 (catalog citation); Dirickx 1998: 91 (catalog citation); Whittington 2004: 597 (citation, fauna assessment)

***liberiensis***.--(AF: AF) Cameroun

*Microdon liberiensis* Curran, 1929: 4. Type-locality:

Liberia. Du River, Camp #3 (HT M AMNH). Curran 1938: 6 (????); Smith & Vockeroth 1980: 509 (catalog citation); Dirickx 1998: 91 (catalog citation);

Whittington 2004: 597 (citation; fauna assessment).

***luteiventris*.--(AF: AF) Uganda, Zaire**

*Microdon luteiventris* Bezz, 1915: 132. Type-locality: Kenya (T A BMNH). Brunetti 1926: 166 (????); Doesburg 1955: 356 (????); Smith & Vockeroth 1980: 509 (catalog citation); Dirickx 1998: 91 (catalog citation); Whittington 2004: 597 (citation; fauna assessment).

***malagasicus*.--(AF: AF) Madagascar.**

*Microdon malagasicus* Keiser 1971: 244. Type-locality: Madagascar, O-M: Anosimparihy (Fia.) (HT F MNHN Paris [Keiser]). Smith & Vockeroth 1980: 509 (catalog citation); Dirickx 1998: 91 (catalog citation); Whittington 2004: 597 (citation, fauna assessment).

***microtuberculatus*.--(AF: AF) South Africa**

*Microdon microtuberculatus* Hull, 1964: 459. Type-locality: South Africa (HT ♂ ZIL). Smith & Vockeroth 1980: 509 (catalog citation); Dirickx 1998: 92 (catalog citation); Whittington 2004: 597 (citation; fauna assessment).

***modesticolor*.--(AF: AF) South Africa**

*Microdon modesticolor* Hull, 1944: 251. Type-locality: South Africa (T A ZIL). Smith & Vockeroth 1980: 509 (catalog citation); Dirickx 1998: 92 (catalog citation); Whittington 2004: 597 (citation; fauna assessment).

***mydas*.--(AF: AF) Uganda**

*Microdon mydas* Bezz, 1915: 128. Type-locality: Uganda (T A BMNH). Smith & Vockeroth 1980: 509 (catalog citation); Dirickx 1998: 92 (catalog citation); Whittington 2004: 597 (citation; fauna assessment).

***myntes*.--(AF: AF) Guinea**

*Microdon myntes* Seguy, 1953: 157. Type-locality: Guinea. Mt Nimba (HT A MNHNP). Smith & Vockeroth 1980: 509 (catalog citation); Dirickx 1998: 92 (catalog citation); Whittington 2004: 597 (citation; fauna assessment).

***nigrocyaneus*.--(AF: AF) South Africa**

*Microdon nigrocyaneus* Hull, 1964: 460. Type-locality: South Africa. Natal (HT ♀ ZIL). Smith & Vockeroth 1980: 509 (catalog citation); Dirickx 1998: 92 (catalog citation); Whittington 2004: 597 (citation; fauna assessment).

***obesus*.--(AF: AF) Uganda**

*Microdon obesus* Herve-Bazin, 1913: 100. Type-locality: Zaire (T A MNHNP). Bezz 1915: 124 (????); Smith & Vockeroth 1980: 509 (catalog citation); Dirickx 1998: 92 (catalog citation); Whittington 2004: 597 (citation; fauna assessment).

***pallidus***. -- (AF: AF) Tanzania

*Microdon pallidus* Bezz, 1915: 133. Type-locality: Uganda (T ♂ BMNH). Bezz 1921: 21 ( ???? ); Smith & Vockeroth 1980: 509 (catalog citation); Dirickx 1998: 93 (catalog citation); Whittington 2004: 597 (citation; fauna assessment).

***petersi***. -- (AF: AF) Madagascar.

NEW NAME needed ???

*Microdon luctifera* Hull 1941: 320. Type-locality: Madagascar, Tamatave, Oriental Forest, vicinity of Fanovana, between Tamatave & Tananarive (HT F ANSP). Preocc. Walker, 1865.

*Microdon luctiferus*. Smith & Vockeroth 1980: 509 (catalog citation); Dirickx 1998: 91 (catalog citation); Whittington 2004: 597 (citation, fauna assessment)

***planitarsus***. -- (AF: AF) Madagascar.

*Microdon planitarsus* Keiser 1971: 245. Type-locality: Madagascar. C-M: Réserve naturelle de l'Andringitra, Anjavidilava (Fia.) (HT M MNHN Paris [Stuckenbergs]). Smith & Vockeroth 1980: 509 (catalog citation); Dirickx 1998: 93 (catalog citation); Whittington 2004: 597 (citation, fauna assessment)

***punctulatus***. -- (AF: AF) South Africa

*Microdon punctulatus* Wiedemann, 1824: 32. Type-locality: South Africa (T ♂ NMW ?????). Kertész 1910: 358 (catalog citation); Hervé-Bazin 1913: 97 ( ???? ); Bezz 1915: 125 ( ???? ); Smith & Vockeroth 1980: 509 (catalog citation); Dirickx 1998: 93 (catalog citation); Whittington 2004: 597 (citation; fauna assessment).

***ranavalonae***. -- (AF: AF) Madagascar.

*Microdon ranavalonae* Keiser 1971: 246. Type-locality: Madagascar. N-M: Joffreville (D.-S.) (HT F MNHN Paris [Keiser]). Smith & Vockeroth 1980: 509 (catalog citation); Dirickx 1998: 93 (catalog citation); Whittington 2004: 597 (citation, fauna assessment)

***rugosus***. -- (AF: AF) Ethiopia, South Africa, Tanzania

*Microdon rugosus* Bezz, 1915: 126. Type-locality: Kenya (T A BMNH). Bezz 1921: 20 ( ???? ); Szilády 1942: 92 ( ???? ); Smith & Vockeroth 1980: 509 (catalog citation); Dirickx 1998: 93 (catalog citation); Whittington 2004: 597 (citation; fauna assessment).

*Microdon rugosus* var. *minor* Bezz, 1921: 20. Type-locality: South Africa (T ???? ). Smith & Vockeroth 1980: 509 (catalog citation);

*Microdon rugosus* var. *fuscus* Bezz, 1921: 21. Type-locality: Tanzania (T ). Preocc. de Meijere 1908

*Microdon rugosus* var. *melas* Bezz, 1921: 21. Type-locality:  
Ethiopia (T ). Smith & Vockeroth 1980: 510 (catalog  
citation);

*Microdon rugosus* ssp. *concolor* Bezz, 1923: 349. Type-  
locality: Kenya (T ). Smith & Vockeroth 1980: 510  
(catalog citation);

***schultzei***--(AF: AF) South Africa

*Ceratoconcha schultzei* Simroth, 1907: 796. Type-locality:  
South Africa (T larva ).

*Microdon schultzei*. Smith & Vockeroth 1980: 510 (catalog  
citation); Dirickx 1998: 94 (catalog citation);  
Whittington 2004: 597 (citation; fauna assessment).

***sudanus***--(AF: AF) Sudan

*Microdon sudanus* Curran, 1923: 146. Type-locality: Sudan (HT  
A BMNH). Smith & Vockeroth 1980: 510 (catalog  
citation); Dirickx 1998: 94 (catalog citation);  
Whittington 2004: 597 (citation; fauna assessment).

***tarsalis***--(AF: AF) Zaire

*Microdon tarsalis* Hervé-Bazin, 1913: 98. Type-locality:  
Zaire (T A MNHNP). Curran 1923: 146 (????); Smith &  
Vockeroth 1980: 510 (catalog citation); Dirickx 1998:  
94 (catalog citation); Whittington 2004: 597 (citation;  
fauna assessment).

***tenuifrons***--(AF: AF) Liberia

*Microdon tenuifrons* Curran, 1929: 5. Type-locality: Liberia.  
Du River, Camp #3 (HT M AMNH). Curran 1938: 6 (????);  
Smith & Vockeroth 1980: 510 (catalog citation); Dirickx  
1998: 95 (catalog citation); Whittington 2004: 597  
(citation; fauna assessment).

***testaceus***--(AF: AF) South Africa

*Microdon testaceus* Walker, 1857: 152. Type-locality: South  
Africa (T A BMNH). Kertész 1910: 359 (catalog  
citation); Hervé-Bazin 1913: 97 (????); Bezz 1915:  
123 (????), 1921: 20 (????); Doesburg 1955: 357  
(????); Smith & Vockeroth 1980: 510 (catalog citation);  
Dirickx 1998: 95 (catalog citation); Whittington 2004:  
597 (citation; fauna assessment).

***tsara***--(AF: AF) Madagascar.

*Microdon tsara* Keiser 1971: 247. Type-locality: Madagascar.  
Nossi-Be: Lokobe (HT M MNHN Paris [Stuckenber]). Smith  
& Vockeroth 1980: 510 (catalog citation); Dirickx 1998:  
95 (catalog citation); Whittington 2004: 597 (citation,  
fauna assessment)

***vulpicolor***--(AF: AF) Madagascar.

*Microdon vulpicolor* Hull 1941: 321. Type-locality:  
Madagascar, Tananarive, Oriental Forest, vicinity of  
Moramanga (HT F ANSP). Smith & Vockeroth 1980: 510

(catalog citation); Dirickx 1998: 96 (catalog citation); Whittington 2004: 597 (citation, fauna assessment)

**wainwrighti**.--(AF: AF) Mozambique.

*Microdon wainwrighti* Curran, 1938: 6. Type-locality: Mozambique. Maputo (HT A AMNH). Smith & Vockeroth 1980: 510 (catalog citation); Dirickx 1998: 96 (catalog citation); Whittington 2004: 597 (citation; fauna assessment).

### **Genus *Myiacerapis* Hull**

*Myiacerapis* Hull 1949: 309. Type-species, *Microdon villosus* Bezz (original designation) proposed as subgenus of *Microdon*.

**villosus**.--(AF: AF) Uganda.

*Microdon villosus* Bezz, 1915: 135. Type-locality: Uganda (T A BMNH). Smith & Vockeroth 1980: 510 (catalog citation); Dirickx 1998: 95 (catalog citation); Whittington 2004: 597 (citation; fauna assessment).

Genus "Pseudomicodon" of Afrotropical authors

**elisabethae**.--(AF: AF) Madagascar.

*Pseudomicodon elisabethae* Keiser 1971: 254. Type-locality: Madagascar. C-M: Tananarive (Tan.) (HT F MNHN Paris [Keiser]). Smith & Vockeroth 1980: 510 (catalog citation); Dirickx 1998: 116 (catalog citation).  
*Microdon elisabethae*. Whittington 2004: 597 (citation, fauna assessment).

**illucens**.--(AF: AF) Mozambique.

*Microdon illucens* Bezz, 1915: 121. Type-locality: Mozambique (T A BMNH). Curran 1938 ??: 6 (Zaire ); Whittington 2004: 597 (citation, fauna assessment).  
*Pseudomicron illucens*. Hull 1937: ( ??? ); Smith & Vockeroth 1980: 510 (catalog citation); Dirickx 1998: 116 (catalog citation).

### **Genus *Ptilobactrum* Bezz**

*Ptilobactrum* Bezz 1915: 136. Type-species, *neavei* Bezz (original designation).

**neavei**.--(AF: AF) Kenya

*Ptilobactrum neavei* Bezz, 1915: 137. Type-locality: Kenya (T A BMNH). Smith & Vockeroth 1980: 510 (catalog citation); Dirickx 1998: 116 (catalog citation);

*Microdon neavei*. Whittington 2004: 597 (citation, fauna assessment);

**Tribe Spheginobacchini Thompson**

Spheginobacchini Thompson 1972: 92.

**Genus *Spheginobaccha* de Meijere**

*Spheginobaccha* Meijere 1908: 327. Type-species, *Sphegina macropoda* Bigot (monotypy).

*Dexiosyrphus* Hull 1944: 131. Type-species, *Spheginobaccha funeralis* Hull (original designation) = *rotundiceps* Loew. Proposed as a subgenus.

References: Thompson 1974 (revision); Dirickx 1995 (new spp.).

**dexiooides**--(AF: AF) South Africa

*Spheginobaccha dexiooides* Hull, 1944: 131. Type-locality: South Africa (HT A ZIL). Thompson 1974: 279 (????); Smith & Vockeroth 1980: 496 (catalog citation); Dirickx 1998: 129 (catalog citation); Whittington 2004: 602 (citation, fauna assessment);

**dubia**--(AF: AF) South Africa

*Spheginobaccha dubia* Thompson, 1974: 280. Type-locality: South Africa. Natal: Geekie's Farm (HT M Natal). Smith & Vockeroth 1980: 496 (catalog citation); Dirickx 1998: 129 (catalog citation); Whittington 2004: 602 (citation, fauna assessment);

**guttula**--(AF: AF) Madagascar.

*Spheginobaccha guttula* Dirickx 1995: 155. Type-locality: Madagascar. Ivondro (HT M MNHN, Paris). Dirickx 1998: 130 (catalog citation); Whittington 2004: 602 (citation, fauna assessment).

**perialla**--(AF: AF) Malawi

*Spheginobaccha perialla* Thompson, 1974: 284. Type-locality: Malawi. Mlanje (HT M BMNH). Smith & Vockeroth 1980: 496 (catalog citation); Dirickx 1998: 129 (catalog citation); Whittington 2004: 602 (citation, fauna assessment);

**rotundiceps**--(AF: AF) South Africa

*Ocyptamus rotundiceps* Loew, 1858: 376. Type-locality: South Africa (T). Loew 1860: 365 (????); Kertész 1910: 167 (catalog citation);

*Spheginobaccha rotundiceps*. Thompson 1974: 277 (????); Smith & Vockeroth 1980: 496 (catalog citation); Dirickx

1998: 130 (catalog citation); Whittington 2004: 602  
(citation, fauna assessment);

*Spheginobaccha funeralis* Hull, 1944: 131. Type-locality:  
South Africa. East Cape: Katberg, 4,000 ft (HT M BMNH).  
Syn. Thompson 1974: 277.

**ruginosa**.--(AF: AF) Madagascar.

*Spheginobaccha ruginosa* Dirickx 1995: 152. Type-locality:  
Madagascar. Ivondro (HT F MNHN, Paris). Dirickx 1998:  
130 (catalog citation); Whittington 2004: 602  
(citation, fauna assessment).

**Subfamily Syrphinae Latreille**

References: Vockeroth (1969, tribal classification).

Tribe Bacchini

**Genus *Melanostoma* Schiner**

*Melanostoma* Schiner 1860: 213. Type-species, *Musca mellina* Linnaeus (original designation).

References: Curran 1938b: 16 (key); Dirickx (2001, revision, key)

***aenoscutum*.--(AF: AF) Lesotho**

*Melanostoma aenoscutum* Hull, 1964: 450. Type-locality: Lesotho (T A ZIL). Dirickx 1998: 74 (catalog citation); Whittington 2004: 595 (citation, fauna assessment); *Melanostoma aenosutum*. Smith & Vockeroth 1980: 493 (catalog citation);

***alticola*.--(AF: AF) Kenya, Tanzania, Burundi**

*Melanostoma alticola* Speiser, 1910: 115. Type-locality: Tanzania. Meru, Kilimandjaro (T ). Bezzi 1920: 134 ( ), 1923: 339 ( ); Doesburg 1960: 434 ( ); Smith & Vockeroth 1980: 493 (catalog citation); Dirickx 1998: 75 (catalog citation); Whittington 2004: 595 (citation, fauna assessment);

***annulipes*.--(AF: AF) Comoros, Madagascar, Mauritius, Réunion, Rodriguez, Seychelles; widespread afrotropics.**

*Syrphus annulipes* Macquart 1842: 162 [102]. Type-locality: Réunion (ST M F MNHN, Paris). Bigot 1859: 436 (Madagascar, note on type), 1862: 38 (Réunion)

*Melanostoma annulipes*. Johnson 1898: 159 (????); Bezzi 1908a: 12, 24 (syn., notes), 1912: 403 (notes), 1915: 21 (key ref., tax. notes); Kertész 1910: 80 (catalog citation); Bezzi & Lamb 1926: 552 (Rodriguez); Curran 1938b: 17 (key ref., distribution records); Hull 1941: 310 (Madagascar); Doesburg 1957: 104 (Madagascar); Orian 1962: 13 (Mauritius); De Meyer et al. 1990: 567 (Comoros); Smith & Vockeroth 1980: 493 (catalog citation); Dirickx 1998: 75 (catalog citation); Kassebeer 2000a: 61 (Réunion); Whittington 2004: 595 (citation, fauna assessment); Gerlach 2009: 237 (Seychelles; note fig. 12.1a = *Ischioidon*).

*Syrphus automenes* Walker 1849: 589. Type-locality: Sierra Leone (T A BMNH). Orian 1962: 13 (Mauritius). Syn. Kertész 1910: 80.

*Melanostoma automenes*. Curran 1938: 17 ( ); Doesburg 1955: 350 ( ); Gomes 1981: 52 ( ).

*Melanostoma? annulata* Bigot, 1884: 76. Type-locality: Sierra Leone (T ). Syn. Kertész 1910: 80.

*Melanostoma? mauritiana* Bigot 1884: 77. Type-locality: Mauritius (T ???? ). Syn. Bezzi 1908a: 12.

*Melanostoma annulipes* var. *mauritianum*. Bezzi 1915: 21 (Seychelles); Lamb 1922: 413 (Seychelles); Orian 1962: 13 (Mauritius).

**babyssola**--(AF: AF) Cameroun

*Melanostoma babyssola* Speiser, 1924: 43. Type-Locality: Cameroun (T ♀ ). Smith & Vockeroth 1980: 493 (catalog citation); Dirickx 1998: 76 (catalog citation); Whittington 2004: 595 (citation, fauna assessment);

**bituberculatum**--(AF: AF) widespread Afrotropics (Yemen to South Africa); ??? not Malagasy region.

*Syrphus bituberculatus* Loew 1858: 379 [1860: 381]. Type-locality: South Africa. ???? [as "Cafferei"] (LT M NRS design. Kassebeer (2000c: 174)). Loew 1860: 381 ( ).

*Melanostoma bituberculatum*. Kertész 1910: 80 (catalog citation); Hervé-Bazin 1914: 281 ( ); Bezzi 1915: 20 ( ), 1920: 134 ( ); Curran 1927: 57 ( ), 1938b: 18 (key ref., distribution records); Doesburg 1955: 349 ( ); Smith & Vockeroth 1980: 493 (catalog citation); Gomes 1981: 52 ( ); Leereveld et al. 1991: 220 ( ); Dirickx 1998: 76 (catalog citation); Kassebeer 2000a: 61 (status on Réunion); Whittington 2004: 595 (citation, fauna assessment).

*Melanostoma bituberculata* Adams, 1905: 160. Type-locality: Rhodesia (T A UKAL). Preocc. Loew 1858  
*bituberculata* (misidentifications) of Hull 1941, De Meyer et al. 1990, and other authors = *subbituberculatum* Kassebeer.

**diffusum**--(AF: AF) Madagascar.

*Melanostoma diffusa* Hull 1941: 311 (abdomen\*). Type-locality: Madagascar, Tamatave, Oriental Forest, vicinity of Fanovana, between Tamatave & Tananarive (HT M ANSP). Doesburg 1957: 104 (note on diff. *sylvarum*); Keiser 1971: 223 (descr. notes, Madagascar).

*Melanostoma diffusum*. Smith & Vockeroth 1980: 493 (catalog citation); Dirickx 1998: 76 (catalog citation); Whittington 2004: 595 (citation, fauna assessment)

**flavipleurum**--(AF: AF) South Africa

*Melanostoma flavipleura* Hull, 1964: 448. Type-locality: South Africa (HT ♀ ZIL).

*Melanostoma flavipleurum*. Smith & Vockeroth 1980: 493  
(catalog citation); Dirickx 1998: 76 (catalog  
citation); Whittington 2004: 595 (citation, fauna  
assessment);

**floripeta**--(AF: AF) Tanzani, Kenya

*Melanostoma floripeta* Speiser, 1910: 116. Tanzania (T ).  
Bezzi 1915: 20 ( ), 1920: 135 ( ); Smith &  
Vockeroth 1980: 494 (catalog citation); Gomes 1981: 52  
( ); Dirickx 1998: 77 (catalog citation); Whittington  
2004: 595 (citation, fauna assessment); .

**gymnocera**--(AF: AF) Comoros; widespread Afrotropics.

*Melanostoma gymnocera* Bigot 1891: 375. Type-locality: Ivory  
Coast (T ). Ricardo 1903: 369 (Sokotra); Curran  
1938b: 17 (key ref., notes (distinct from *mauritiana*),  
distribution records); Hull 1964: 443 ( ); Smith &  
Vockeroth 1980: 494 (catalog citation); De Meyer et al.  
1990: 568 (Comoros); Dirickx 1998: 77 (catalog  
citation); Whittington 2004: 595 (citation, fauna  
assessment).

*Melanostoma gymnocerum*. Kertész 1910: 81 (catalog citation);

**incurvum**--(AF: AF) Madagascar

*Melanostoma incurvum* Dirickx 2001: 1005. Type-locality:  
Madagascar. Est: Soanierana-Ivongo (HT F NMB).

**infuscatum**--(AF: AF) Kenya, Zimbabwe, Tanzania, Zaire

*Melanostoma infuscatum* Becker, 1909: 117. Type-locality:  
Kenya. Escarpment (ST 2♂ 2♀ MNHNP). Bezzi 1915: 21 ( );  
Becker 1922: 817 (descr. ); Curran 1938: 17 ( );  
Doesburg 1955: 350 ( ), 1960: 433 ( ); Smith &  
Vockeroth 1980: 494 (catalog citation); Dirickx 1998: 77  
(catalog citation); Whittington 2004: 595 (citation,  
fauna assessment);

**keiseri**--(AF: AF) Madagascar.

*Melanostoma keiseri* Dirickx 2001: 1007. Type-locality:  
Madagascar, Centre, Vohiparara (HT F NHMB).

**matilei**--(AF: AF) Grande Comore

*Melanostoma matilei* Dirickx, 2001: 1009. Type-locality:  
Grande Comore. Kartala: Convalescence, 1680 m (HT F  
MNHNP).

**ochraceum**--(AF: AF) Madagascar.

*Melanostoma ochraceum* Dirickx 2001: 1010. Type-locality:  
Madagascar, East, Perinet (HT F NHMB).

**perinetense**--(AF: AF) Madagascar.

*Melanostoma perinetense* Dirickx 2001: 1010. Type-locality:  
Madagascar, East, Perinet (HT F NHMB).

**pyrophaenoides**--(AF: AF) Tanzania, Zaire, Burundi

*Melanostoma pyrophaenoides* Speiser, 1910: 114. Tanzania.

Kilimanjaro (T ♂). Speiser 1924: 44 ( ); Curran 1927: 57 ( ); Doesburg 1955: 350 ( ); Smith & Vockeroth 1980: 494 (catalog citation); Dirickx 1998: 77 (catalog citation); Whittington 2004: 595 (citation, fauna assessment); .

***satyriphilum*.**--(AF: AF) Madagascar.

*Melanostoma satyriphila* Hull 1941: 310. Type-locality: Madagascar, Tamatave, Oriental Forest, vicinity of Fanovana, between Tamatave & Tananarive (HT M ANSP).  
*Melanostoma satyriphilum*. Smith & Vockeroth 1980: 494 (catalog citation); Dirickx 1998: 78 (catalog citation); Whittington 2004: 595 (citation, fauna assessment).

***scalare*.**--Europe; ???? Afrotropical region ????

*Syrphus scalare* Fabricius 1794: 308. Type-locality: Germany (T ).

*Scaeva scalare*. Fabricius 1805: 252 ( )

*Melanostoma scalare*. Williston 1882: 310 ( ); Kertész 1910: 85 (catalog citation); Speiser 1910: 117 (Kilimadjaro ); Bezzi 1915: 20 ( ), 1920: 135 ( ), 1923: 340 ( ); Szilády 1942: 92 ( ); Smith & Vockeroth 1980: 494 (catalog citation); Dirickx 1998: 78 (catalog citation); Whittington 2004: 595 (citation, fauna assessment);

***simplex*.**--(AF: AF) Burundi

*Melanostoma simplex* Doesburg, 1955: 350. Type-locality: Burundi (HT ♀). Smith & Vockeroth 1980: 494 (catalog citation); Dirickx 1998: 78 (catalog citation); %W595 (citation, fauna assessment);

***subbituberculatum*.**--Comoros, Madagascar Réunion; Zaire, Ivory Coast.

*Melanostoma subbituberculatum* Kassebeer 2000c: 176. Type-locality: Ivory Coast. NW Man, Mont Tonkouri, 1000-1200m, 7°21'N 7°36'W (HT M Kassebeer); Whittington 2004: 595 (citation, fauna assessment).

*bituberculata*, -um of (in part or entirely): Hull 1941: 310 (Madagascar); Smith & Vockeroth 1980: 493 (catalog citation); De Meyer et al. 1990: 567 (Comoros); Dirickx 1998: 76 (catalog citation).

***sulphuripes*.**--(AF: AF) South Africa

*Melanostoma sulphuripes* Hull, 1964: 446. Type-locality: South Africa. Cap (HT ♂ ZIL). Smith & Vockeroth 1980: 494 (catalog citation); Dirickx 1998: 78 (catalog citation); Whittington 2004: 595 (citation, fauna assessment);

***sylvarum*.**--(AF: AF) Comoros, Madagascar

*Melanostoma sylvarum* Hull 1941: 314 (abdomen\*). Type-

locality: Madagascar, Tamatave, Oriental Forest, vicinity of Fanovana, between Tamatave & Tananarive (HT M ANSP). Doesburg 1957: 104 (Madagascar, notes on diff. *diffusa*); Smith & Vockeroth 1980: 494 (catalog citation); De Meyer et al. 1990: 568 (Comoros); Leerevel et al. 1991: 220 ( ); Dirickx 1998: 79 (catalog citation); Whittington 2004: 595 (citation, fauna assessment).

***trochanteratum*.--(AF: AF) South Africa**

*Melanostoma trochanterata* Hull, 1964: 444. Type-locality: South Africa (HT ♂ ZIL).

*Melanostoma trochanteratum*. Smith & Vockeroth 1980: 494 (catalog citation); Dirickx 1998: 79 (catalog citation); Whittington 2004: 595 (citation, fauna assessment);

***violaceum*.--(AF: AF) South Africa**

*Melanostoma violacea* Hull, 1964: 445. Type-locality: South Africa (HT ZIL).

*Melanostoma violaceum*. Smith & Vockeroth 1980: 494 (catalog citation); Dirickx 1998: 79 (catalog citation); Whittington 2004: 595 (citation, fauna assessment);

??? mellinum of Bezzi 1908a: 13, 24 (Mauritius)

**Genus *Pelloloma* Vockeroth**

***freidbergi*.--(AF: AF) Kenya.**

*Pelloloma freidbergi* Kassebeer, 2000: 164. Type-locality: Kenya. Mt. Kenya, Met. Station, 3000-3300 m (HT ♂ USNM). Whittington 2004: 600 (citation, fauna assessment);

***nigrifacies*.--(AF: AF) South Africa.**

*Pelloloma nigrifacies* Vockeroth, 1973: 598. Type-locality: South Africa. Barkly East, 2350-2525 m (HT ♂ NMP). Smith & Vockeroth 1980: 492 (catalog citation); Dirickx 1998: 109 (catalog citation); Whittington 2004: 600 (citation, fauna assessment);

***winkleri*.--(AF: AF) Uganda.**

*Pelloloma winkleri* Kassebeer, 2000: 162. Type-locality: Uganda. Rwenzori, Bigo Hütte, 3440m (HT ♂ Coll. Kassebeer). Whittington 2004: 600 (citation, fauna assessment);

**Genus *Xanthandrus* Verrall**

*Xanthandrus* Verrall 1901: 316 (*Musca comtus* Harris (SD) Coquillett 1910: 620).

**Subgenus *Afroxanthandrus* Kassebeer**

*Afroxanthandrus* Kassebeer 2000: 150. Type-species, *Xanthandrus congensis* Curran (original designation).

Revision: Kassebeer 2000

***congensis*.**--(AF: AF) Zaire

*Xanthandrus congensis* Curran, 1938: 18. Type-locality: Zaire. Lukolela (HT ♀ AMNH). Smith & Vockeroth 1980: 494 (catalog citation); Dirickx 1998: 139 (catalog citation); *Afroxanthandrus congensis*. Kassebeer, 2008: 154 (key ref., head\*, antenna\* male genitalia\* description); Whittington 2004: 586 (citation, fauna assessment);

***longipilus*.**--(AF: AF) Zaire

*Afroxanthandrus longipilus* Kassebeer, 2000: 155. Type-locality: Zaire. Kapanga (HT F MRAC). Kassebeer 2000: 155 (head\*, antenna\* Whittington 2004: 586 (citation, fauna assessment);

Tribe Paragini

**Genus *Paragus* Latreille**

*Paragus* Latreille 1804: 194. Type-species, *Syrphus bicolor* Fabricius (monotypy).

References: Curran 1938b: 19 (key); Stuckenbergs 1954a, 1954b (keys, rev. Afrotropical spp.); Kassebeer (1999, review); Vujic et al. 2008 (systematics, phylogeny).

Stuckenbergs (1954a, 1954b) split the genus *Paragus* into two subgenera and then split the typic subgenus into two species complexes. Current workers have simply elevate Stuckenbergs' groups to subgeneric status (Vujic et al. 2008).

**Subgenus *Afroparagus* Vujic & Radenkovic**

*Afroparagus* Vujic & Radenkovic 2008: 514. Type-species, *Paragus borbonicus* Macquart (original designation). Proposed as a subgenus.

***borbonicus*.**--(AF: AF) Comoros, Madagascar, Mauritius, Réunion; widespread in Afrotropics.

*Paragus borbonicus* Macquart 1842: 166 (106) (habitus\*,

head\*). Type-localities: Mauritius & Réunion (ST M F MNHN Paris [not given]). Bigot 1862: 38 (Réunion); Bezzi 1908a: 20 (citation, Mauritius, notes), 1912: 402 ( ), 1915: 12 ( ), 1920: 132 ( ); Kertész 1910: 4 (catalog citation); Hervé-Bazin 1914: 281 ( ); Speiser 1915: 94 ( ); Brunetti 1926: 165 ( ); Curran & Bryan 1926: 82 ( ); Curran 1927: 51 ( ), 1938b: 20 (key ref., distribution records); Séguay 1941: 113 ( , 1946: 10 ( ), 1952: 156 ( )); Hull 1941: 310 (Madagascar); Stuckenberg 1954a: 133 (descr., distribution, abdomen\*, male genitalia\*); Doesburg 1955: 349 ( ); Orian 1962: 13 (Mauritius); Kaufmann 1973: 252 ( ); Schmutterer 1974: 53 ( ); Smith & Vockeroth 1980: 495 (catalog citation); Gomes 1981: 52 ( ); Claussen & Barkemeyer 1987: ???? (Cape Verde Is.); De Meyer et al. 1990: 568 (Comoros); Dirickx 1998: 104 (catalog citation, map); Kassebeer 1999: 77 (Madagascar, Réunion, Mauritius), 2000a: 62 (Réunion); Barkemeyer 2002: 14 (Cape Verde Is.); Whittington 2004: 599 (citation, fauna assessment).

*Paragus latus* Walker, 1849: 545. Type-locality: Sierra Leone (T ♀ BMNH). Syn. Kertész 1910: 4.

*Paragus Antimenes* Walker 1849: 546. Type-locality: Mauritius (T BMNH). Syn. Bezzi 1908a: 12.

*Paragus nudipennis* Loew, 1858: 376. Type-locality: South Africa (T NRS). Loew 1860: 368 ( ). ???? Syn. Kertész 1910: 4

*Paragus latecinctus* Bigot, 1884: 540. Type-locality: Sierra Leone (T ). ???? Syn. Kertész 1910: 4

### **Subgenus *Pandasyopthalmus* Stuckenberg**

*Pandasyopthalmus* Stuckenberg 1954: 100. Type-species, *Paragus longiventris* Loew (original designation. Proposed as a subgenus.

*Pandasyopthalmus* (mss spelling). Peck 1988: 78.

**apicalis**.--(AF: AF) Ivory Coast, Nigeria, Uganda, Cameroun  
*Paragus apicalis* Kassebeer, 1998: 2. Type-locality: Ivory Coast, Man, Zadepreu, Cascades, Pont des Lianes (HT M CNC). Whittington 2004: 599 (citation, fauna assessment);

**basilewskyi**.--(AF: AF) Burundi

*Paragus basilewskyi* Doesburg, 1955: 349. Type-locality: Burundi (HT ). Smith & Vockeroth 1980: 494 (catalog citation); Dirickx 1998: 104 (catalog citation); Whittington 2004: 599 (citation, fauna assessment);

***boyesi***.--(AF: AF) Madagascar.

*Paragus boyesi* Kassebeer 1999: 80 (male genitalia\*). Type-locality: Madagascar, Ambodimango (HT M CNC). Whittington 2004: 599 (citation, fauna assessment).

***chalybeatus***.--(AF: AF) South Africa

*Paragus chalybeatus* Hull, 1964: 451. Type-locality: South Africa. Cap (HT ♂ ZIL). Smith & Vockeroth 1980: 494 (catalog citation); Dirickx 1998: 105 (catalog citation); Whittington 2004: 599 (citation, fauna assessment);

***cooksoni***.--(AF: AF) Zimbabwe

*Paragus cooksoni* Whittington, 1998: 186. Zimbabwe. Eastern Highlands: Vumba, north (HT ). Whittington 2004: 599 (citation, fauna assessment);

***dolichocerus***.--(AF: AF) Widespread East Africa To Southern Africa

*Paragus dolichocerus* Bezzı, 1915: 14. Type-locality: Kenya. Marsabit (T A BMNH). Stuckenberg 1954: 116 ( ); Doesburg 1955: 348 ( ); Smith & Vockeroth 1980: 494 (catalog citation); Dirickx 1998: 105 (catalog citation); Whittington 2004: 599 (citation, fauna assessment);

***gracilis***.--(AF: AF) Zaire, Kenya

*Paragus gracilis* Stuckenberg, 1954: 110. Type-locality: Zaire (HT A BMNH). Smith & Vockeroth 1980: 494 (catalog citation); Dirickx 1998: 106 (catalog citation); Whittington 2004: 599 (citation, fauna assessment);

***haemorrhous***.--(PA: PA, AF, NE, NT)

*Paragus haemorrhous* Meigen, 1822: 182. Type-locality: Austria & France (ST MNHNP). Smith & Vockeroth 1980: 494 (catalog citation); Dirickx 1998: 106 (catalog citation); Whittington 2004: 599 (citation, fauna assessment);

*Paragus tibialis haemorrhous*. Lindner 1975: 131 ( ).

*Paragus substitutus* Loew, 1858: 376. Type-locality: South Africa (T ♀ NRS). Loew 1860: 366 ( ); Bezzı 1908: 182 ( ). ???? Syn. Kertész 1910: 7.

*Paragus tibialis* var. *substitutus*. Bezzı 1915: 15 ( ), 1920: 132 ( ).

*Paragus albipes* Gimmerthal 1842: 668. Type-locality: Estonia. ???? Lettonie (T ♂ ). ???? Syn. Kertész 1910: 7.

*Paragus tibialis* var. *albipes*. Séguy 1964: 10 ( ). *tibialis* of or in part of: Bezzı 1908: 21 ( ); Speiser 1910: 113 ( ); Kertész 1910: 7 (catalog citation); Hervé-Bazin 1914: 101 ( ); Curran & Bryan 1026: 82 ( ); Curran 1938: 19 ( ); Hull 1941: 310 ( ), 1964:

451 ( ); Szilády 1942: 92 ( ); Stuckenbergs 1954: 123 ( ); Doesburg 1955: 348 ( ), 1957: 104 ( ); Schmutzler 1974: 52 ( ).

**longiventris**--(AF: AF) Comoros, Madagascar.

*Paragus longiventris* Loew 1858: 376 [1860: 367]. Type-locality: South Africa, ???? [as "Caffrereo"] (ST M F NRS). Loew 1860: 367 ( ); Verrall 1898: 413 ( ); Bezzi 1908: 20 ( ), 1912: 402 ( ), 1915: 13 ( ), 1920: 132 ( ); Kertész 1910: 5 (catalog citation) Curran & Bryan 1926: 82 ( ); Curran 1927: 51 ( ); 1938b: 20 (key ref., distribution records); Hull 1941: 310 (Madagascar); Szilády 1942: 92 ( ); Stuckenbergs 1954: 105 ( ); Doesburg 1955: 348 ( ), 1957: 104 (Madagascar); Schmutzler 1974: 52 ( ); Smith & Vockeroth 1980: 494 (catalog citation); De Meyer et al. 1990: 568 (Comoros); Dirickx 1998: 107 (catalog citation); Kassebeer 1999: 85 (descriptive note, Madagascar); Whittington 2004: 599 (citation, fauna assessment).

*Paragus longiventris* var. *nigrifacies* Bezzi, 1920: 132.

Type-locality: Tanzania (T ). Syn. Smith & Vockeroth 1980: 494.

**manensis**--(AF: AF) Ivory Coast

*Paragus manensis* Kassebeer, 1999: 35. Ivory Coast. Man area, Tonkoui Mountain (HT Coll. Kassebeer).

**marshalli**--(AF: AF) Widespread Afrotropical Region

*Paragus marshalli* Bezzi, 1915: 13. Type-locality: Ghana (T A BMNH). Bezzi 1920: 132 ( ); Curran & Bryan 1926: 82 ( ); Curran 1938: 20 ( ); Stuckenbergs 1954: 144 ( ): Doesburg 1955: 348 ( ); Hull 1964: 451 ( ); Schmutzler 1974: 53 ( ); Smith & Vockeroth 1980: 494 (catalog citation); Gomes 1981: 53 ( ); Dirickx 1998: 107 (catalog citation); Whittington 2004: 599 (citation, fauna assessment);

**minutus**--(AF: AF) Kenya, South Africa, Zaire

*Paragus minutus* Hull, 1938: 124. Type-locality: Cameroun. Lolodorf (HT ♂ CMP). Stuckenbergs 1954: 120 ( ); Smith & Vockeroth 1980: 494 (catalog citation); Dirickx 1998: 107 (catalog citation); Whittington 2004: 599 (citation, fauna assessment);

**naso**--(AF: AF) Kenya, Tanzania

*Paragus naso* Stuckenbergs, 1954: 128. Type-locality: Kenya (HT A BMNH). Doesburg 1960: 433 ( ); Smith & Vockeroth 1980: 494 (catalog citation); Dirickx 1998: 108 (catalog citation); Whittington 2004: 599 (citation, fauna assessment);

**nasutus**--(AF: AF) Tanzania, Ethiopia

*Paragus tibialis* var. *nasutus* Beazzi, 1920: 132. Type-locality: Tanzania (T ).

*Paragus nasutus*. Smith & Vockeroth 1980: 494 (catalog citation); Dirickx 1998: 108 (catalog citation); Whittington 2004: 599 (citation, fauna assessment);

**nigrocoeruleus**--(AF: AF) Namibia

*Paragus nigrocoeruleus* Hull, 1949: 731. Type-locality: Namibia (HT A BMNH). Stuckenbergh 1954: 126 ( ); Smith & Vockeroth 1980: 494 (catalog citation); Dirickx 1998: 108 (catalog citation); Whittington 2004: 599 (citation, fauna assessment);

**paulyi**--(AF: AF) Cameroun

*Paragus paulyi* Kassebeer, 2000: 132. Type-locality: Cameroun. Jakiri, 6 01N 10 33E (HT M Coll. Kassebeer).

**punctatus**--(AF: AF) South Africa

*Paragus punctatus* Hull, 1949: 732. Type-locality: South Africa. Cap, Swellendam (HT A BMNH). Smith & Vockeroth 1980: 494 (catalog citation); Dirickx 1998: 108 (catalog citation); Whittington 2004: 599 (citation, fauna assessment);

**stuckenbergi**--(AF: AF) Kenya.

*Paragus stuckenbergi* De Meyer, 1998: 144. Type-locality: Kenya, Kakamega Forest, Buyangu Nature Reserve (HT ♂ ).

**tonkouiensis**--(AF: AF) Ivory Coast

*Paragus tonkouensis* Kassebeer, 1999: 40. Ivory Coast, Man area, Tonkoui Mountain (HT Coll. Kassebeer).

**tsimbazzensis**--(AF: AF) Madagascar.

*Paragus tsimbazzensis* Kassebeer 1999: 86 (Male genitalia\*).

Type-locality: Madagascar. Antsirabe area (HT M USNM).

Whittington 2004: 599 (citation, fauna assessment)

*haemorrhous* (in part): Smith & Vockeroth 1980: 494 (cat. cit.); Dirickx 1998: 106 (catalog citation).

*tibialis*: Hervé-Bazin 1914: 101 (Madagascar); Hull 1941: 310 (Madagascar); Doesburg 1957: 104 (Madagascar).

**zuqualensis**--(AF: AF) Ethiopia

*Paragus zuqualensis* Kassebeer, 2001: 33. Type-locality: Ethiopia. Shewa: Zuquala, 8 33N 38 51 E, 2700 m (HT M Coll. Kassebeer).

### **Subgenus *Paragus* (s.s.) Latreille**

**binominalis**--(AF: AF) Yemen

*Paragus binominalis* Smit & Gutierrez-Chacon, 2008: 212.

Type-locality: Yemen. Manakhah, 12km NW, 15 05 N, 43 42 E, 1500m (HT M RMNH).

**compeditus**.--(AF: AF) Réunion ????; ???? Egypt to  
*Paragus compeditus* Wiedemann 1830: 89. Type-locality: Egypt  
 (HT F SMF). Kertész 1910: 4 (catalog citation); Goeldin  
 1976: 91 (notes on type, key ref., descr., Réunion,  
 male & female genitalia\*, head\*); Dirickx 1998: 105  
 (cat. cit.); Kassebeer 1999: 85 (doubts record), 2000a:  
 63 (status on Réunion, doubts record); Whittington  
 2004: 599 (citation, fauna assessment).

Goeldin (1976: 92) mentions a single male from Réunion that had a slightly different lingula, but he view that as interspecific variation. Kassebeer was unable to find the specimen and doubted the record.

Wiedemann (1830: 89) gave the type locality as "Aus Egypten" and type(s) female(s) in "Frankfurter Museum." Goeldlin (1976: 91) stated "Holotype" in Senkenberg Museum with the label of "Abyssinia, Dr Rüppell." Obviously, comment on Wiedemann's Egypt as including Ethiopia is needed here. CHECK Wiedemann prefaces for data on Rüppell.

#### **Subgenus *Serratoparagus* Vujic & Radenkovic**

*Serratoparagus* Vujic & Radenkovic 2008: 514. Type-species,  
*Paragus pusillus* Stuckenberg (original designation).  
 Proposed as a subgenus.

**auritus**.--???? Kenya; India, Nepal, Sri Lanka  
*Paragus auritus* Stuckenberg

**azureus**.--(AF: AF) Socotra

*Paragus azureus* Hull, 1949: 729. Type-locality: Yemen.  
 Socotra (HT A BMNH). Smith & Vockeroth 1980: 495  
 (catalog citation); Dirickx 1998: 103 (catalog  
 citation); Whittington 2004: 599%.  
*Paragus azureus* subsp. *scrupeus* Stuckenberg, 1954: 406.  
 Type-locality: South Yemen (HT A BMNH). Syn. Smith &  
 Vockeroth 1980: 495.  
*serratus* of or in part: Verrall 1898: 413 (Aden ???? );  
 Ricardo 1903: 368 (Sokotra ???? ); Kertész 1910: 6  
 (catalog citation); Becker 1910: 141 ( ); Speiser  
 1911: 240 ( ); Beazzi 1912: 401 ( ), 1915: 12 ( ),  
 1920: 132 ( ); Curran 1938: 20 ( ); Szilády  
 1942: 92 ( ); Schmutterer 1974: 53 ( ).

**capricorni**.--(AF: AF) Comoros; widespread eastern and southern Africa.

*Paragus capricorni* Stuckenberg 1954: 399 (abdomen\*, male  
 genitalia\*). Type-locality: Zimbabwe [as "southern

Rhodesia"], Sawmills (HT M NMSR, Bulawayo). Smith & Vockeroth 1980: 495 (cat. cit.); De Meyer et al. 1990: 568 (Comoros); Dirickx 1998: 105, 167 (cat. cit.); Kassebeer 1999: 84 (note); Whittington 2004: 599 (citation, fauna assessment).

***pusillus***--(AF: AF) Zimbabwe, Namibia

*Paragus pusillus* Stuckenberg, 1954: 401. Type-locality: Zimbabwe. Sawmills (HT ♂). Smith & Vockeroth 1980: 495 (catalog citation); Claussen & Barkemeyer 1987: (Cape Verde Is.); Dirickx 1998: 109 (catalog citation); Barkemeyer 2002: 14 (Cape Verde Is.); Whittington 2004: 599 (citation, fauna assessment);

Tribe Syrphini

References: Vockeroth 1969 (revision).

**Genus *Afrosyrphus* Curran**

***varipes***--(AF: AF) Zaire, Angola, Kenya, South Africa

*Afrosyrphus varipes* Curran, 1927: 50. Type-locality: Zaire (HT ♂ AMNH). Curran 1938: 1 (????); Vockeroth 1969: 61 (male genitalia\* ????); Schmutterer 1974: 51 (????); Smith & Vockeroth 1980: 489 (catalog citation); Dirickx 1998: 1 (catalog citation); Whittington 2004: 586 (citation, fauna assessment);

**Genus *Allobaccha* Curran**

*Allobaccha* Curran 1928: 251. Type-species, *Baccha rubella* Wulp (original designation).

*Ptileuria* Enderlein 1938: 235. Type-species, *Baccha picta* Wiedemann (original designation).

References: Bezzi 1915: 38 (key, as *Baccha*); Curran 1938b: 12 (key, as *Baccha*).

***angustivertex***--(AF: AF) Equatorial Guinea

*Ptileuria angustivertex* Enderlein, 1938: 237. LT:

***bequaerti***--(AF: AF) Cameroun

*Baccha bequaerti* Curran, 1929: 10. Type-locality: Cameroun. Eden (HT M AMNH). Curran 1938: 14 ( ); Dirickx 1998: 13 (catalog citation);

*Allobaccha bequaerti*. Smith & Vockeroth 1980: 492 (catalog citation); Whittington 2004: 586

***brevis***--(AF: AF) Zimbabwe, Zaire

*Baccha brevis* Karsch, 1887: 97. Type-locality: Angola ( T ♀

). Kertész 1910: 157 (catalog citation); BeSSI 1915: 50 ( ); Curran 1927: 56 ( ), 1938: 13 ( ); Dirickx 1998: 13 (catalog citation);

*Allobaccha brevis*. Smith & Vockeroth 1980: 492 (catalog citation); Whittington 2004: 586 (citation, fauna assessment);

**chalybea**.--(AF: AF) South Africa

*Baccha chalybea* Hull, 1964: 452. Type-locality: South Africa (T A ZIL). Dirickx 1998: 13 (catalog citation);

*Allobaccha chalybea*. Smith & Vockeroth 1980: 492 (catalog citation); Whittington 2004: 586 (catalog citation);

**claripennis**.--(AF: AF) Zaire

*Baccha claripennis* Loew, 1858: 376. Type-locality: South Africa (T NRS). Loew 1860: 365 ( ); Hervé-Bazin 1914: 287 ( ); Curran 1927: 57 ( ); Dirickx 1998: 14 (catalog citation);

*Allobaccha claripennis*. Smith & Vockeroth 1980: 491 (catalog citation); Whittington 2004: 586 (citation, fauna assessment);

**conifrons**.--(AF: AF) Ghana

*Baccha conifrons* BeSSI, 1915: 40. Type-locality: Ghana (T A BMNH). Dirickx 1998: 14 (catalog citation);

*Allobaccha conifrons*. Smith & Vockeroth 1980: 492 (catalog citation); Whittington 2004: 586 (citation, fauna assessment);

**cuthbertsoni**.--(AF: AF) Mozambique

*Baccha cuthbertsoni* Curran, 1938: 15. Type-locality: Mozambique (HT A AMNH).

*Allobaccha cuthbertsoni*. Smith & Vockeroth 1980: 492 (catalog citation); Whittington 2004: 586 (citation, fauna assessment);

**dacipennis**.--(AF: AF) Zaire

*Baccha dacipennis* Speiser, 1924: 44. Type-locality: Zaire (T ♀ ). Dirickx 1998: 14 (catalog citation);

*Allobaccha dacipennis*. Smith & Vockeroth 1980: 491 (catalog citation); Whittington 2004: 586 (citation, fauna assessment);

**eclara**.--(AF: AF) Mozambique

*Baccha eclara* Curran, 1938: 16. Type-locality: Mozambique (HT A AMNH). Dirickx 1998: 14 (catalog citation);

*Allobaccha eclara*. Smith & Vockeroth 1980: 492 (catalog citation); Whittington 2004: 586 (citation, fauna assessment);

**euryptera**.--(AF: AF) Zaire

*Baccha euryptera* BeSSI, 1908: 381. Type-locality: Zaire (T ♂ ). Hervé-Bazin 1914: 287 ( ); Dirickx 1998: 15

(catalog citation); Whittington 2004: 586 (citation, fauna assessment);

*Allobaccha euryptera*. Smith & Vockeroth 1980: 493 (catalog citation);

**flavibasis**.--(AF: AF) Cameroun

*Ptileuria flavibasis* Enderlein, 1938: 236. Type-locality: Cameroun (HT ZMHU).

*Baccha flavibasis*. Smith & Vockeroth 1980: 493 (catalog citation); Dirickx 1998: 15 (catalog citation); Whittington 2004: 588 (citation, fauna assessment);

**grahami**.--(AF: AF) Ghana, Liberia

*Baccha grahami* Bezzi, 1915: 43. Type-locality: Ghana (T A BMNH). Curran 1938: 13 ( ); Dirickx 1998: 15 (catalog citation);

*Allobaccha grahami*. Smith & Vockeroth 1980: 492 (catalog citation); Whittington 2004: 586 (citation, fauna assessment);

**helva**.--(AF: AF) South Africa, Principe

*Baccha helva* Bezzi, 1915: 44. Type-locality: South Africa (HT A BMNH). Dirickx 1998: 15 (catalog citation);

*Allobaccha helva*. Smith & Vockeroth 1980: 492 (catalog citation); Whittington 2004: 586 (citation, fauna assessment);

**ichneumonea**.--(AF: AF) Zimbabwe

*Baccha ichneumonea* Bezzi, 1915: 41. Type-locality: Zimbabwe (T ♀ BMNH).

*Allobaccha ichneumonea*. Smith & Vockeroth 1980: 491 (catalog citation); Whittington 2004: 586 (citation, fauna assessment);

**inversa**.--(AF: AF) Zaire

*Baccha inversa* Curran, 1929: 8. Type-locality: Zaire. Lesse (HT M AMNH). Curran 1938: 14 ( ); Dirickx 1998: 16 (catalog citation);

*Allobaccha inversa*. Smith & Vockeroth 1980: 492 (catalog citation); Whittington 2004: 586 (citation, fauna assessment);

**liberia**.--(AF: AF) Liberia

*Baccha liberia* Curran, 1929: 10. Type-locality: Liberia. Memel Town (HT M AMNH). Curran 1938: 14 ( ); Dirickx 1998: 16 (catalog citation);

*Allobaccha liberia*. Smith & Vockeroth 1980: 492 (catalog citation); Whittington 2004: 586 (citation, fauna assessment);

**marginata**.--(AF: AF) Ghana, Zaire

*Baccha marginata* Bezzi, 1915: 47. Type-locality: Ghana (T A BMNH). Curran 1927: 56 ( ); Dirickx 1998: 16 (catalog

citation);

*Allobaccha marginata*. Smith & Vockeroth 1980: 492 (catalog citation); Whittington 2004: 586 (citation, fauna assessment);

**neavei**.--(AF: AF) South Africa, Tanzania

*Baccha neavei* Bezz, 1915: 46. Type-locality: Kenya (T A BMNH). Curran 1938: 14 ( ); Doesburg 1960: 434 ( ); Dirickx 1998: 16 (catalog citation);

*Allobaccha neavei*. Smith & Vockeroth 1980: 493 (catalog citation); Whittington 2004: 586 (citation, fauna assessment);

**nigroscutata**.--(AF: AF) Madagascar.

*Ptileuria nigroscutata* Enderlein 1938: 237. Type-locality: Madagascar, Antananarivo (HT F ZMHU).

*Baccha nigroscutata*. Smith & Vockeroth 1980: 493 (catalog citation); Dirickx 1998: 17 (catalog citation); Whittington 2004: 588 (citation, fauna assessment).

As usual for Enderlein, the key characters are not mention (like facial color, wing pattern). Scutum with exception of sides and postpronotum shiny black. Abdomen reddish colored, without vittae, sterna with sides black bordered; 2nd segment about 3 times as long as wide; 3rd "hinten dreimal so breit wie hintern und 3.5 mal so long as wie vorn breit"; legs yellow, metaleg reddish yellow.

? *nigroscutata* = *sapphirina*

**nitidithorax**.--(AF: AF) Zaire

*Baccha nitidithorax* Curran, 1929: 9. Type-locality: Zaire. Kivu, Lesse (HT M AMNH). Curran 1938: 14 ( ); Dirickx 1998: 17 (catalog citation);

*Allobaccha nitidithorax*. Smith & Vockeroth 1980: 493 (catalog citation); Whittington 2004: 586 (citation, fauna assessment);

**pedunculata**.--(AF: AF) Gabon

*Cheilosia pedunculata* Bigot, 1858: 366. Type-locality: Gabon (T ♀ ).

*Chilosia pedunculata*. Kertész 1910: 58 (catalog citation);

*Allobaccha pedunculata*. Smith & Vockeroth 1980: 493 (catalog citation); Whittington 2004: 586 (citation, fauna assessment);

*Baccha pedunculata*. Dirickx 1998: 17 (catalog citation);

**picta**.--(AF: AF) Madagascar; widespread Central Africa.

*Baccha picta* Wiedemann 1830: 93. Type-locality: "Guinea" (T F UZMC (lost)). Bigot 1891: 366 ( ); Kertész 1910: 163 (catalog citation); Hervé-Bazin 1914: 286 ( );

Bezzi 1914: 289 ( ); 1915: 45 ( ); Curran & Bryan 1926: 82 ( ); Curran 1927: 56 ( ), 1938b: 13 (key ref., distribution records); Séguy 1941: 114 ( ), 1952: 156 ( ); Zimsen 1954: 18 (type status, voucher in Wiedemann collection in NMW); Schmutterer 1974: 51 ( ); Dirickx 1998: 17 (catalog citation).

*Ptileuria picta*. Enderlein 1938: 236 (diagnosis, distribution records)

*Allobaccha picta*. Smith & Vockeroth 1980: 493 (catalog citation); Whittington 2004: 586 (citation, fauna assessment).

*Baccha picta* var. *superpicta* Bezzi, 1915: 43. Type-locality: Ghana (T A BMNH).

*Baccha vittata* Wiedemann, 1830: 94. Type-locality: Africa (T ). Macquart 1842: 108 ( ). Syn. Kertész 1910: 163.

*Ptileuria vittata*. Enderlein 1938: 236 ( ).

*Ptileuria angustivertex* Enderlein 1938: 237. Type-locality: Equatorial Guinea (HT ♀ ZMHU). Syn. Dirickx 1998: 18.

*Baccha angustivertex*. Smith & Vockeroth 1980: 493 (catalog citation);

**praeusta**.--(AF: AF) Ghana, South Africa

*Baccha praeusta* Bezzi, 1915: 49. Type-locality: Ghana (T A BMNH). Brunetti 1926: 165 ( ); Szilády 1942: 91 ( ); Schmutterer 1974: 51 ( ); Dirickx 1998: 18 (catalog citation);

*Allobaccha praeusta*. Smith & Vockeroth 1980: 493 (catalog citation); Whittington 2004: 586 (citation, fauna assessment);

**sapphirina**.--(AF: AF) Madagascar, Réunion; widespread Afrotropics.

*Baccha sapphirina* Wiedemann 1830: 96. Type-locality: "Ostindien" (T F ZMUC). Verrall 1898: 415 ( ); Bezzi 1908: 30 ( ), 1915: 48 ( ), 1920: 140 ( ); Kertész 1910: 164 (catalog citation); Speiser 1911: 240 ( ); Curran & Bryan 1926: 82 ( ); Curran 1938b: 13 (key ref., distribution records); Szilády 1942: 91 ( ); Zimsen 1954: 18 (1 type in ZMUC); Schmutterer 1974: 51 ( ); Dirickx 1998: 18 (catalog citation).

???? . Étienne 1978: 877 (???? prey *Trioza erytreae* (psyllid)); Quilici et al. 1988: 144 (

*Allobaccha sapphirina*. Smith & Vockeroth 1980: 493 (catalog citation); Kassebeer 2000a: 46 (Réunion, prey (*Murraya paniculata* ( ??? )), 200b: 87 (*psyllidivora*, n. syn.)); Whittington 2004: 586 (citation, fauna assessment).

*Baccha flavicornis* Loew 1863: 15. Type-locality: South

*Africa* (T). Kertész 1910: 160 (catalog citation); .  
Syn. Smith & Vockeroth 1980: 493.

*Baccha punctum* Bigot, 1884: 332. Type-locality: Senegal.  
Syn. Kertész 1910: 160 (with *flavicornis*).

*Pseudodoros psyllidivorus* Seguy, 1953: 47. Type-locality:  
Ivory Coast. Bouaké (T A MNHNP). Smith & Vockeroth  
1980: 493 (catalog citation); Dirickx 1998: 115  
(catalog citation); Syn. Kassebeer 2000: ????.

**serena**.--(AF: AF) Tanzania

*Baccha serena* Szilady, 1942: 94. Type-locality: Tanzania (T  
♂ MNM). Smith & Vockeroth 1980: 493 (catalog  
citation); Dirickx 1998: 18Whittington 2004: 588  
(citation, fauna assessment);

**sinuata**.--(AF: AF) Ghana

*Baccha sinuata* Brunetti, 1929: 14. Type-locality: Ghana (T A  
BMNH). Dirickx 1998: 19 (catalog citation);  
*Allobaccha sinuata*. Smith & Vockeroth 1980: 493 (catalog  
citation); Whittington 2004: 586 (citation, fauna  
assessment);

**velox**.--(AF: AF) Cameroun

*Baccha velox* Hull, 1938: 125. Type-locality: Cameroun (T A  
CMP). Smith & Vockeroth 1980: 493 (catalog citation);  
Dirickx 1998: 19 (catalog citation); Whittington 2004:  
588 (citation, fauna assessment);

**wainwrighti**.--(AF: AF) Mozambique

*Baccha wainwrighti* Curran, 1938: 14. Type-locality:  
Mozambique. Maputo (HT ♂ AMNH). Dirickx 1998: 19  
(catalog citation);  
*Allobaccha wainwrighti*. #SV493 (catalog citation);  
Whittington 2004: 586 (citation, fauna assessment);

### **Genus *Allograpta* Osten Sacken**

*Allograpta* Osten Sacken 1875: 49, 63. Type-speices, *Scaeva*  
*obliqua* Say (monotypy).

References: Vockeroth 1969: 126 (descr., male genitalia); Mengual  
et al. 2009 (review, relationships, key to groups).

**borbonica**.--(AF: AF) Réunion.

*Allograpta borbonica* Kassebeer 2000a: 46 (male genitalia\*,  
abdomen pattern\*). Type-locality: Mascarenes. Réunion,  
Foret de Notre-Dame de Paix, 21° 16' 13" S 55° 35' 54" E,  
1600 m (HT M Kassebeer). Whittington 2004: 587  
(citation, fauna assessment).

**calopoides**.--(AF: AF) Kenya, Ethiopia, Tanzania, Uganda, Zaire,

Rwanda, Burundi

*Syrphus calopooides* Curran, 1938: 9. Type-locality: Kenya.  
Mt. Kirinyaga (HT ♂ AMNH). Doesburg 1955: 351 ( ???? )  
*Allograptia calopooides*. Vockeroth 1969: 129 ( ???? );  
Schmutterer 1974: 50 ( ???? ); Smith & Vockeroth 1980:  
489 (catalog citation); Dirickx 1998: 1 (catalog  
citation); 587 (citation, fauna assessment);

**calopus**--(AF: AF) Madagascar; ????.

*Syrphus calopus* Loew 1858: 379 [1860: 381]. Type-locality:  
???? [as "Caffrerei"] (ST F NRS). Loew 1860: 381 ( ???? )  
; Karsch 1888: 382 ( ???? ); Curran 1938b: 11 (key  
ref., South Africa).

*Xanthogramma calopus*. Bezzi 1908a: 14, 26 (catalog citation,  
syn., Eritrea), 1915: 38 (key ref., Natal); Kertész  
1910: 151 (catalog citation); Szilády 1942: 92 ( ???? )  
.

*Allograptia calopus*. Vockeroth 1969: 129 (citation); Smith &  
Vockeroth 1980: 489 (catalog citation); Dirickx 1998: 1  
(catalog citation, Madagascar); Whittington 2004: 587  
(citation, fauna assessment).

*Miogramma abyssinica* Frey, 1946: 168. Type-locality:  
Ethiopia (T A UZMH). Syn. Smith & Vockeroth 1980: 489.

Loew's 1860 description includes specimens from "Siemen"  
collected by Rüppel

**fuscotibialis**--(AF: AF) South Africa

*Syrphus fuscotibialis* Macquart, 1842: 155. Type-locality:  
South Africa (T ♂ ).

*Allograptia fuscotibialis*. Smith & Vockeroth 1980: 489  
(catalog citation); Dirickx 1998: 2 (catalog citation);  
Whittington 2004: 587 (citation, fauna assessment);

*Syrphus rotundicornis* Loew, 1858: 379. Type-locality: South  
Africa (T ). Loew 1860: 380 ( ??? ); Curran 1938: 9 ( ???? ).  
Syn. Smith & Vockeroth 1980: 489.

*Xanthogramma rotundicorne*. Kertész 1910: 153 (catalog  
citation);

*Epistrophe rotundicornis*. Hull 1964: 443 ( ???? ).

*Allograptia rotundicornis*. Vockeroth 1969: 130 ( ???? ).

**hypoxantha**--(AF: AF) Madagascar; Kenya, Tanzania, Uganda, Zaire.

*Syrphus hypoxantha* Bezzi 1923: 343. Type-locality: Kenya. Mt  
Kirinyaga (T ♀ ????)

*Allograptia hypoxantha*. Smith & Vockeroth 1980: 489 (catalog  
citation); Dirickx 1998: 2 (catalog citation);  
Whittington 2004: 587 (citation, fauna assessment).

*Syrphus calinus* Curran 1938b: 10. Type-locality: Zaire, Mt

Ruwenzori (HT ♂ AMNH). Doesburg 1955: 352 (????); 1957: 105 (Madagascar), 1960: 434 (????). Syn. Smith & Vockeroth 1980: 489.

*Allograptta calina*. Vockeroth 1969: 129 ( ).

*Epistrophe calina*. Keiser 1971: 224 (descr. notes, Madagascar).

**nasuta**.--(AF: AF) Mauritius, Réunion, Rodriguez, Seychelles; widespread afrotropics.

*Syrphus nasutus* Macquart 1842: 156 [96] (head\*). Type-localities: Mauritius & Réunion (ST M MNHN, Paris). [considered by Bezzi (1908a: 14, 27) as syn. *Ischiodon scutellaris*]

*Allograptta nasuta*. Smith & Vockeroth 1980: 489 (catalog citation); Claussen & Barkemeyer 1987: ???? (Cape Verde Is.); Dirickx 1998: 3 (catalog citation, distribution map, habitus); Kassebeer 2000a: 51 (Réunion, prey records); Barkemeyer 2002: 12 (Cape Verde Is.); Whittington 2004: 587 (citation, fauna assessment).

*Syrphus pfeifferi* Bigot 1884: 89. Type-locality: Mauritius & Réunion (ST A ???). Curran 1938b: 9, 11 (key ref., distribution records). Syn. Bezzi 1908a: 14, 27 & Smith & Vockeroth 1980: 489.

*Xanthogramma pfeifferi*. Bezzi 1912: 410 (descr.), 1915: 37 (key ref., Mauritius), 1920: 139 (????); Hervé-Bazin 1914: 286 (????); Bezzi & Lamb 1926 (Rodriguez); Orian 1962: 14 (Mauritius); Doesburg 1961: 283 (????).

*Epistrophe pfeifferi*. Curran 1927: 54 (Zaire, diff. *aegyptum*).

*Allograptta pfeifferi*. Vockeroth 1969: 130 (citation); Schmutterer 1974: 50 (????); Étienne 1978: 877 (???? biol., prey (*Trioza erytreae* (psyllid))); Quilici et al. 1988: 114 (???? biol. notes, prey (*Murraya paniculata*)).

Macquart (1842: 96) in his original description mentions another specimen from China, but this is obviously an misidentification.

Bezzi (1908a: 14, 27) included both *nasuta* and *pfeifferi* as synonyms in his concept of *Xanthogramma scutellare* [= *Ischiodon*]. Later Bezzi (1912: 409, 1915: 37) he separated the two species of *Ischiodon* (still as *Xanthogramma*) and recognized *pfeifferi* Bigot as a distinct species, but the name *nasuta* is not mention.

**nummularia**.--(AF: AF) Tanzania, Kenya

*Syrphus nummularia* Bezzi, 1920: 137. Type-locality: Tanzania

(T ♂ ).

*Allograpta nummularia*. Smith & Vockeroth 1980: 489 (catalog citation); Dirickx 1998: 3 (catalog citation); Whittington 2004: 587 (citation, fauna assessment);

**phaeoptera**--(AF: AF) Tanzania, Zaire, Burundi

*Xanthogramma phaeoptera* Bezz, 1920: 139. Type-locality: Tanzania. Arusha (T ♂ ).

*Allograpta phaeoptera*. Smith & Vockeroth 1980: 489 (catalog citation); Dirickx 1998: 3 (catalog citation); Whittington 2004: 587 (citation, fauna assessment);

**rediviva**--(AF: AF) South Africa

*Syrphus rediviva* Bezz, 1915: 34. Type-locality: South Africa (T A BMNH).

*Allograpta rediviva*. Smith & Vockeroth 1980: 489 (catalog citation); Dirickx 1998: 3 (catalog citation); Whittington 2004: 587 (citation, fauna assessment);

**rufifacies**--(AF: AF) Madagascar.

*Epistrophe nigra* Keiser 1971: 225. Type-locality: Madagascar. Fianarantsoa: Mt Andringitra, Anjavidilava, 2020 m (HT F MNHN Paris).

*Allograpta nigra*. Smith & Vockeroth 1980: 489 (catalog citation); Dirickx 1998: 3 (catalog citation). Syn. Kassebeer 2000a: ????.

*Epistrophe rufifacies* Keiser 1971: 226. Type-locality: Madagascar. Fianarantsoa: Mt Andringitra, Anjavidilava, 2020 m (HT F MNHN).

*Allograpta rufifacies*. Smith & Vockeroth 1980: 489 (catalog citation); Dirickx 1998: 4 (catalog citation); Whittington 2004: 587 (citation, fauna assessment)

**tenella**--(AF: AF) Madagascar.

*Epistrophe tenella* Keiser 1971: 227. Type-locality: Madagascar. Antananarivo: Manjakatombo, Mt Ankaratra (HT M MNHN).

*Allograpta tenella*. Smith & Vockeroth 1980: 489 (catalog citation); Dirickx 1998: 4 (catalog citation); Whittington 2004: 587 (citation, fauna assessment)

**varipes**--(AF: AF) Zaire, Uganda

*Epistrophe varipes* Curran, 1927: 55. Type-locality: Zaire (HT A AMNH).

*Allograpta varipes*. Vockeroth 1969: 130 (????); Smith & Vockeroth 1980: 489 (catalog citation); Dirickx 1998: 4 (catalog citation); Whittington 2004: 587

### **Genus Asarkina Macquart**

*Asarkina* Macquart 1842: 137 [77]. Type-species, *Syrphus rostrata*

Wiedemann (monotypy).  
*Asarcina* Agassiz 1846: 35. Emendation.  
*Ancylosyrphus* Bigot 1882a: 78 (1882c: lxviii). Type-species,  
*Syrphus salviae* Fabricius (original designation).

References: Bezzi 1903 (redescription genus, key spp.), 1908b  
(revision, key), 1912: 405 (key african spp.), 1915: 22 (key  
african spp.); Curran 1927: 52 (key to ericetorum group),  
1938b: 2 (key); Vockeroth 1969: 110 (descr., male  
genitalia).

Curran (1927: 51) notes that the species can be divided on two  
characters (metasctum "deeply longitudinally sulcate in middle or  
not) and (ventral scutellar fringe yellow or black).

### **Subgenus *Achoanus* Munro**

*Achoanus* Munro 1924: . Type-species, *hulleyi* Munro ( ).

***hulleyi*.**--(AF: AF) South Africa

*Achoanus hulleyi* Munro, 1924: 87. Type-locality: South  
Africa (T ). Vockeroth 1969: 113 ( ); Smith &  
Vockeroth 1980: 489 (catalog citation); Dirickx 1998:  
10 (catalog citation); Whittington 2004: 587 (citation,  
fauna assessment);

### **Subgenus *Asarkina* Macquart**

***africana*.**--(AF: AF) Madagascar; widespread afrotropics.

*Asarcina ericetorum* var. *africana* Bezzi 1908b: 500. Type-  
locality: Dijbouti & Zaire ["Moschi, Fl. Rau. & Mto-ja-  
Kifaru" [=Budapest] & "Obock et Lukungu" [Bruxelles]  
(ST 3 M Bruxelles; Budapest ST now lost, except if  
Bezzi kept one, then Milan). Kertész 1910: 95 (catalog  
citation); Bezzi 1912: 405 ( ), 1915: 26 ( ), 1920:  
135 ( ), 1923: 340 ( ); Hervé-Bazin 1914: 103  
(Madagascar); Szilády 1942: 91 ( ).

*Asarcina africana*. Curran & Bryan 1926: 82 ( ); Frey 1946:  
159 ( ).

*Asarkina africana*. Curran 1927: 53 ( ), 1938: 4 ( );  
Vockeroth 1969: 112 (citation); Smith & Vockeroth 1980:  
490 (catalog citation); Gomes 1981: 52 ( ); Dirickx  
1998: 6 (catalog citation); Whittington 2004: 587  
(citation, fauna assessment).

***albifacies*.**--(AF: AF) Uganda, Kenya, Tanzania, Zaire

*Asarcina ericetorum* var. *albifacies* Bezzi, 1915: 26. Type-  
locality: Uganda (T A BMNH). Bezzi 1923: 341 ( ).

*Asarkina albifacies*. Curran 1927: 58 ( ); Doesburg 1960:

434 ( ); Smith & Vockeroth 1980: 490 (catalog citation); Dirickx 1998: 6 (catalog citation); Whittington 2004: 587 (citation, fauna assessment);

**amoena**--(AF: AF) Uganda, Kenya, Tanzania, Zaire

*Asarkina amoena* Austen, 1909: 88, pl. III, fig. 4 (color habitus). Type-locality: Uganda. Ruwenzori, Mubuku Valley, E. Rumerzori, 5000-7000 ft & Ruwenzori, 7000-8000 ft (ST ♂ ♀ BMNH). Bezzi 1912: 406 ( ), 1915: 27 ( ), 1923: 341 ( ); Hervé-Bazin 1914: 480 ( ); Doesburg 1960: 434 ( ); Smith & Vockeroth 1980: 490 (catalog citation); Dirickx 1998: 6 (catalog citation); Whittington 2004: 587 (citation, fauna assessment);

**angustata**--(AF: AF) Kenya

*Asarkina angustata* Becker, 1909: 116. Type-locality: Kenya. Voi & Nairboi (ST ♂ ♀ MNHNP). Bezzi 1912: 405 ( ); Becker 1922: 813, pl. 1, fig. 7 (head dorsal\*, descr., diff. ericetorum, Kenya); Smith & Vockeroth 1980: 490 (catalog citation); Dirickx 1998: 7 (catalog citation); Whittington 2004: 587 (citation, fauna assessment);

**angustofasciata**--(AF: AF) Madagascar.

*Asarkina angustofasciata* Keiser 1971: 230. Type-locality: Madagascar, Mtgs d'Ambre (D.-S.) (HT M MNHN Paris [Keiser]). Smith & Vockeroth 1980: 490 (catalog citation); Dirickx 1998: 7 (catalog citation); Whittington 2004: 587 (citation, fauna assessment).

**clara**--(AF: AF) Madagascar.

*Asarkina clara* Hull 1941: 318. Type-locality: Madagascar, Tamatave, Oriental Forest, vicinity of Fanovana, between Tamatave & Tananarive (HT M ANSP). Vockeroth 1969: 112 (citation); Smith & Vockeroth 1980: 490 (catalog citation); Dirickx 1998: 7 (catalog citation); Whittington 2004: 587 (citation, fauna assessment).

**eremophila**--(AF: AF) Sudan, Ethiopia, Kenya, Tanzania, Zaire

*Asarcina eremophila* Loew, 1858: 380. Type-locality: Sudan (T NRS). Loew 1860: 382 ( ); Bezzi 1903: 16 ( ), 1908: 25 ( ), 1912: 406 ( ), 1915: 28 ( ), 1920: 135 ( ); Austen 1909: 90 (diff. *punctifrons*); Speiser 1910: 118 ( ); Kertész 1910: 94 (catalog citation); Becker 1922: 812 (citation); Szilády 1942: 91 ( ); Doesburg 1955: 351 ( ).

*Asarkina eremophila*. Smith & Vockeroth 1980: 490 (catalog citation); Dirickx 1998: 8 (catalog citation); Whittington 2004: 587 (citation, fauna assessment);

**ericetorum**--(AF: AF) Madagascar; widespread afrotropics and orient.

*Syrphus ericetorum* Fabricius 1781: 425. Type-locality:

"Africa aequinoctiali" (T A BMNH (Banks)). Zimsen 1964: 481 (2 types in London).

*Musca ericetorum*. Gmelin 1790: 2870 (diagnosis).

*Asarcina ericetorum*. Ricardo 1903: 369 (Sokotra ????); Kertész 1910: 95 (catalog citation); Speiser 1910: 117 ( ); Hervé-Bazin 1914: 282 ( ), 1914: 103 ( ); Bezzì 1915: 25 (key ref., distribution); Becker 1922: 812, pl. 1, fig. 6 (head dorsal\*, Kenya); Brunetti 1926: 165 ( ); Séguay 1931: 119 ( ), 1952: 156 ( ); Frey 1946: 159 ( ).

*Asarkina ericetorum*. Austen 1904: 446 (????); Curran 1927: 53 (key ref., taxonomic notes); 1938b: 2 (key ref.); Vockeroth 1969: 112 (citation); Musa 1976: 109 (immature stages\*); Smith & Vockeroth 1980: 490 (catalog citation); Dirickx 1998: 8 (catalog citation); Whittington 2004: 587 (citation, fauna assessment).

*Asarkina ericetorum* var. *typica* Bezzì, 1908: 500. Type-locality: South Africa & Tanzania.

*Asarkina ericetorum* var. *usambarensis* Bezzì, 1908: 500. Type-locality: Ghana & Tanzania.

????

*Syrphus salviae* Fabricius 1787: 340. Type-locality: Sierra Leone (T A (Pflug)). ????check spelling ???? Fabricius 1794: 306 ( ); Zimsen 1964: 481 (no types found). Syn. Ricardo 1903: 369.

*Syrphus salviae*. Loew 1862: 16 ( ).

*Musca salviae*. Gmelin 1790: 2877 (diag.).

*Scaeva salviae*. Fabricius 1805: 250 (syn., diagnosis).

???? *Asarkina ??? salviae*. Gerst 1873: 391

*Asarcina salviae*. Loew 1858: 380 ( ), 1860: 383 ( ); Gerstaecker 1871: 363 ( ), 1873: 391 ( ); Karsch 1887: 98 ( ), 1888: 382 ( ); Verrall 1898: 414 ( ); Bezzì 1903: 9 (key ref., diagn., syn., nomenclatural discussion of *ericetorum* & *salviae*), 1908a: 13 (catalog citation).

*Asarkina salviae*. Ricardo 1901: 107 ( ).

*Ancylosyrphus salviae*. Bigot 1882: lxviii (????).

*Asarcina ericetorum* var. *usambarensis* Bezzì 1908: 500. Type-locality: Tanzania & Ghana (ST ♂). Kertész 1910: 96 (catalog citation); Hervé-Bazin 1914: 480 ( ); Bezzì 1915: 25 ( ). Syn. Smith & Vockeroth 1980: 490.

*Asarkina usambarensis*. Curran 1938: 3 ( ); Gomes 1981: 52 ( ).

*Asarcina ericetorum* var. *typica* Bezzì 1908: 500. Type-locality: Tanzania, Zaire (ST ). Bezzì 1915: 25 ( )

). Syn. Kertész 1910: 95.

in the key as "var.--(ericetorum) typica" in text as "typica nov. var." but it is clear that BeSSI means this in the sense of the typical variety, not as a separate taxon from ericetorum Fabricius as he has no variety ericetorum.

??? Fabricius (1805: 250) was the first to synonymize *salviae* & *ericetorum*, but he used *salviae* as senior! [not Ricardo (1903) as stated by Dirickx (1998: 8). Walker (1849: 580) correctly reverses the names and uses *ericetorum* as senior. Vockeroth (1969: 112) has both as distinct. BeSSI (1903, 1908a) followed tradition and used *salviae* as senior, but switch to *ericetorum* in his later revision revision (1908b).

Wiedemann (1830: 122) examined material in the Fabrician collection, declared that the type locality was wrong ["In Fabricius Sammlung, der ohne Zweifel das Vaterland falsch angegeben hat ..."] and reports specimens in his collection (Vienna), Westermann's (Copenhagen) and in Leiden, all from Java.

Smith & Vockeroth (1980: 490) leave out *salviae*! Dirickx (1998: 8) has it as a synonym of *ericetorum* on the basis of Ricardo (1903: 369). Whittington (2004: 587) following the BDWD includes it as a separate species. His remark about "us" including *salviae* as "potentially Afrotropical" is curious as the type locality is clearly given as Sierra Leone.

Obviously as the types of *salviae* are lost, it is perhaps best to leave this name as a synonym of *ericetorum* following Fabricius, the author of both names. The types of *ericetorum* are still extant in the Bank's collection at Natural History Museum (BMNH), London.

Then the problem resolves into assigning the status to the Oriental records of *salviae* (sensu Wiedemann), which is beyond the scope of this paper.

Oriental *salviae* of authors (see BeSSI 1903 for more):  
Wiedemann 1830: 112 (Java), Macquart 1842: 88 (Java); Vockeroth 1969: 112 (citation, southern India); Knutson et al. 1975: 310 (catalog citation); Curran 1929: 3 (New Caledonia), 1947: 4 (Solomons)

**fiorii**--(PA: PA AF) Kenya, South Africa, Tanzania  
*Asarcina fiorii* BeSSI, 1903: 13. Type-locality: Italy (T ♀). BeSSI 1908: 501 ( ), 1915: 27 ( ), 1923: 314 ( ); Kertész 1910: 96 (catalog citation); .

*Asarkina fiorii*. Smith & Vockeroth 1980: 490 (catalog citation); Dirickx 1998: 9 (catalog citation); Whittington 2004: 587 (citation, fauna assessment);

**fulva**.--(AF: AF) Madagascar.

*Asarkina fulva* Hull 1941: 315. Type-locality: Madagascar, Tamatave, Oriental Forest, vicinity of Fanovana, between Tamatave & Tananarive (HT M ANSP). Doesburg 1957: 104 (Madagascar, note); Vockeroth 1969: 112 (citation); Smith & Vockeroth 1980: 490 (catalog citation); Dirickx 1998: 9 (catalog citation); Whittington 2004: 587 (citation, fauna assessment).

**gemmata**.--(AF: AF) Ghana, Angola, Zimbabwe, South Africa, Zaire

*Asarcina ericetorum* var. *gemmata* Bezzi, 1915: 26. Type-locality: Ghana (T A BMNH). Szilády 1942: 91 ( ).

*Asarcina gemmata*. Doesburg 1955: 351 ( ); Hull 1964: 454 ( ).

*Asarkina gemmata*. Curran 1927: 53 ( ), 1938: 4 ( ); Vockeroth 1969: 112 (citation); Smith & Vockeroth 1980: 490 (catalog citation); %D9 (catalog citation); Whittington 2004: 587 (citation, fauna assessment);

**grapta**.--(AF: AF) Madagascar.

*Asarkina grapta* Hull 1941: 316. Type-locality: Madagascar, Tamatave, Oriental Forest, vicinity of Fanovana, between Tamatave & Tananarive (HT M ANSP). Vockeroth 1969: 112 (citation); Smith & Vockeroth 1980: 490 (catalog citation); Dirickx 1998: 10 (catalog citation); Whittington 2004: 587 (citation, fauna assessment).

**hirsuticeps**.--(AF: AF) Kenya

*Asarkina hirsuticeps* Bezzi, 1915: 28. Type-locality: Kenya (T A BMNH). Doesburg 1955: 351 ( ); Smith & Vockeroth 1980: 490 (catalog citation); Dirickx 1998: 10 (catalog citation); Whittington 2004: 587 (citation, fauna assessment);

**liberia**.--(AF: AF) Liberia, Cameroun

*Asarkina liberia* Curran, 1938: 4. Type-locality: Liberia (HT A AMNH). Smith & Vockeroth 1980: 490 (catalog citation); Dirickx 1998: 10 (catalog citation); Whittington 2004: 587 (citation, fauna assessment);

**macropyga**.--(AF: AF) Madagascar.

*Asarkina macropyga* Keiser 1971: 232. Type-locality: Madagascar, Moramanga (Tam.) (HT M MNHN Paris [Keiser]). Smith & Vockeroth 1980: 490 (catalog citation); Dirickx 1998: 10 (catalog citation); Whittington 2004: 587 (citation, fauna assessment).

**madecassa**.--(AF: AF) Madagascar.

*Asarkina madecassa* Keiser 1971: 234. Type-locality:

Madagascar, Tananarive (Tan.) (HT M MNHN Paris [Keiser]). Smith & Vockeroth 1980: 490 (catalog citation); Dirickx 1998: 11 (catalog citation); Whittington 2004: 587 (citation, fauna assessment).

***medjensis***--(AF: AF) Zaire

*Asarkina medjensis* Curran, 1927: 57. Type-locality: Zaire.

Medje (HT ♂ AMNH). Curran 1938: 3 ( ); Smith & Vockeroth 1980: 490 (catalog citation); Dirickx 1998: 11 (catalog citation); Whittington 2004: 587 (citation, fauna assessment);

***minor***--(AF: AF) Nigeria, Angola, Ghana, Liberia, Zaire

*Asarcina minor* Bezzi, 1915: 27. Type-locality: Nigeria (HT A BMNH). Szilády 1942: 91 ( )

*Asarkina minor*. Curran 1927: 52 ( ), 1938: 3 ( ); Vockeroth 1969: 112 (citation); Smith & Vockeroth 1980: 490 (catalog citation); Dirickx 1998: 11 (catalog citation); Whittington 2004: 587 (citation, fauna assessment);

***nigrolata***--(AF: AF) Madagascar.

*Asarkina nigrolata* Hull 1941: 317. Type-locality: Madagascar, Tamatave, Oriental Forest, vicinity of Fanovana, between Tamatave & Tananarive (HT M ANSP). Vockeroth 1969: 112 (citation); Smith & Vockeroth 1980: 490 (catalog citation); Dirickx 1998: 11 (catalog citation); Whittington 2004: 587 (citation, fauna assessment).

***permixta***--(AF: AF) Madagascar.

*Asarkina permixta* Keiser 1971: 235. Type-locality: Madagascar, Périnet (Tam.) (HT M MNHN Paris [Keiser]). Smith & Vockeroth 1980: 490 (catalog citation); De Meyer et al. 1990: 566 (Comoros); Dirickx 1998: 12 (catalog citation); Whittington 2004: 587 (citation, fauna assessment).

***punctifrons***--(AF: AF) Widespread Afrotropical Region

*Asarcina punctifrons* Austen, 1909: 89, pl. III, fig. 5 color habitus). Type-locality: Uganda & Zaire "Ruwenzori, 7000-8000 ft." (HT ♂ BMNH). Bezzi 1912: 406 ( ); Doesburg 1955: 351 ( ).

*Asarcina ericetorum* var. *punctifrons*. Bezzi 1915: 26 ( ).

*Asarkina punctifrons*. Curran 1927: 52 ( ), 1938: 3 ( ); Smith & Vockeroth 1980: 490 (catalog citation); Dirickx 1998: 12 (catalog citation); Whittington 2004: 587 (citation, fauna assessment);

***rostrata***--(AF: AF) South Africa

*Syrphus rostrata* Wiedemann, 1824: 34. Type-locality: South Africa (T ).

*Asarcina rostrata*. Loew 1858: 379 ( ), 1860: 382 ( );

Bezzi 1903: 17 ( ); Austen 1909: 90 (diff. *punctifrons*) ; Kertész 1910: 96 (catalog citation); Bezzi 1912: 407 ( ), 1915: 28 ( ); Becker 1922: 812 (citation); Doesburg 1955: 351 ( ); Hull 1964: 453 ( ).

*Asarkina rostrata*. Macquart 1842: 78 ( ); Schiner 1868: 354 ( ); Vockeroth 1969: 112 (citation); Smith & Vockeroth 1980: 490 (catalog citation); Dirickx 1998: 12 (catalog citation); Whittington 2004: 587 (citation, fauna assessment);

***silvicola***.--(AF: AF) Madagascar.

*Asarkina silvicola* Keiser 1971: 236. Type-locality: Madagascar, Périnet (Tam.) (HT M MNHN Paris [Keiser]). Smith & Vockeroth 1980: 490 (catalog citation); Dirickx 1998: 12 (catalog citation); Whittington 2004: 587 (citation, fauna assessment).

***tenebricosa***.--(AF: AF) Madagascar.

*Asarkina tenebricosa* Keiser 1971: 237. Type-locality: Madagascar, Périnet (Tam.) (HT M MNHN Paris [Keiser]). Smith & Vockeroth 1980: 490 (catalog citation); Dirickx 1998: 13 (catalog citation); Whittington 2004: 587 (citation, fauna assessment).

### **Genus *Betasyrphus* Matsumura**

*Betasyrphus* Matsumura in Matsumura & Adachi 1917: 143. Type-species, *Syrphus serarius* Wiedemann (original designation).

References: Vockeroth 1969: 69 (descr., male genitalia).

***adligatus***.--(AF: AF) South Africa, Ethiopia, Kenya, Mauritania, Tanzania

*Syrphus adligatus* Wiedemann, 1824: 35. Type-locality: South Africa (T ♂). Verrall 1898: 414 ( ); Austen 1904: 466 ( ), 1909: 88 (Ruwenzori, color habitus\*); Speiser 1910: 119 ( )

*Metasyrphus adligatus*. Hull 1964: 443 ( )

*Betasyrphus adligatus*. Vockeroth 169: 69 ( ); Schmutterer 1974: 47 ( ); Smith & Vockeroth 1980: 490 (catalog citation); Dirickx 1998: 19 (catalog citation); Whittington 2004: 588%

*Syrphus adligatus* var. *melas* Bezzi, 1915: 33. Type-locality: Kenya (T A BMNH). Syn. Smith & Vockeroth 1980: 490.

*Syrphus melas*. Doesburg 1955: 352 ( ).

***cinereomaculatus***.--(AF: AF) Kenya

*Syrphus cinereomaculatus* Hull, 1937: 28. Type-locality: Kenya (T A MCZ).

*Betasyrphus cinereomaculatus*. Smith & Vockeroth 1980: 490  
(catalog citation); Dirickx 1998: 20 (catalog  
citation); Whittington 2004: 588 (citation, fauna  
assessment);

**claripennis**--(AF: AF) South Africa, Zaire

*Syrphus claripennis* Loew, 1858: 378. Type-locality: South  
Africa (T ♀ NRS). Loew 1860: 377 ( ); Kertész 1910:  
109 (catalog citation); Bezzi 1915: 33 ( ), 1920: 136  
( ); Curran 1938: 8 ( ); Sziláday 1942: 92 ( ).

*Betasyrphus claripennis*. Vockeroth 1969: 70 ( );  
Schmutterer 1974: 47 ( ); Smith & Vockeroth 1980:  
490 (catalog citation); Dirickx 1998: 20 (catalog  
citation); Whittington 2004: 588 (citation, fauna  
assessment);

**congolensis**--(AF; AF) Zaire

*Syrphus congolensis* Hervé-Bazin 1914: 283. Type-locality:  
Zaire (HT ♂ MRCA, Tervuen). Smith & Vockeroth 1980:  
492 (citation; unplaced Syrphini)

*Betasyrphus congolensis*. Dirickx 1998: 20 (catalog  
citation); Whittington 2004: 588 (citation, fauna  
assessment);

**eutaenius**--(AF: AF) Zaire

*Syrphus eutaenius* Bezzi, 1915: 31. Type-locality: Kenya (T  
A BMNH). Doesburg 1955: 352 ( ).

*Betasyrphus eutaenius*. Smith & Vockeroth 1980: 490  
(catalog citation); Dirickx 1998: 21 (catalog  
citation); Whittington 2004: 588 (citation, fauna  
assessment);

**hirticeps**--(AF: AF) Ethiopia, Kenya

*Syrphus hirticeps* Loew, 1858: 378. Type-locality: Sudan (T  
NRS). Loew 1860: 377 ( ); Bezzi 1908: 25 ( ),  
1915: 33 ( ), 1920: 136 ( ); Kertész 1910: 166  
(catalog citation); Becker 1922: 816 (British East  
Africa, Naivasha); Curran 1938: 7 ( ); Szilády 92 ( ).

*Betasyrphus hirticeps*. Vockeroth 1969: 70 ( ); Schmutterer  
1974: 47 ( ); Smith & Vockeroth 1980: 490 (catalog  
citation); Dirickx 1998: 21 (catalog citation);  
Whittington 2004: 588 (citation, fauna assessment);

**inflaticornis**--(AF: AF) Zaire.

*Syrphus inflaticornis* Hervé-Bazin 1914: 283 (nomen nudum).

*Syrphus inflaticornis* Bezzi, 1915: 31. Type-locality: Uganda  
(T ♀ BMNH). Curran 1928: 54 ( ), 1938: 6 ( );  
Doesburg 1955: 352 ( ).

*Betasyrphus inflaticornis*. Vockeroth 1969: 70 ( ); Smith &  
Vockeroth 1980: 490 (catalog citation);

***intersectus***.--(AF: AF) South Africa

*Syrphus intersectus* Wiedemann, 1824: 35. Type-locality:  
South Africa (T ♂). Austen 1904: 466 ( ); Kertész  
1910: 177 (catalog citation); .  
*Betasyrphus intersectus*. Smith & Vockeroth 1980: 490  
(catalog citation);  
*Syrphus capensis* Wiedemann, 1830: 127. Type-locality: South  
Africa (T ♂). Loew 1858: 378 ( ), 1860: 376 ( );  
Schiner 1868: 352 ( ); Kertész 1910: 108 (catalog  
citation); Bezzi 1920: 136 ( ); Curran & Bryan 1926:  
82 ( ); Curran 1938: 6 ( ). Syn. Smith & Vockeroth  
1980: 490.

*Metasyrphus capensis*. Hull 1964: 443 ( ).

*Betasyrphus capensis*. Vockeroth 1969: 69 ( ).

***luci***.--(AF: AF) Zaire

*Syrphus luci* Curran, 1938: 7. Type-locality: Zaire (HT A  
AMNH).  
*Betasyrphus luci*. Vockeroth 1969: 70 ( ); Smith &  
Vockeroth 1980: 490 (catalog citation); Dirickx 1998:  
22 (catalog citation); Whittington 2004: 588 (citation,  
fauna assessment);

***saundersi***.--(AF: AF) Kenya, Malawi, Zimbabwe, Zaire

*Syrphus tricolor* Walker, 1852: 230. Type-locality: South  
Africa (T A BMNH). Kertész 1910: 130 (catalog  
citation); Curran 1938: 7 ( ); Doesburg 1960: 434 ( ).  
Preocc. Fabricius 1798.

*Syrphus adligatus tricolor*. Bezzi 1915: 32 ( ), 1920: 136  
( ); Curran 1928: 54 ( ).

*Metasyrphus tricolor*. Hull 1964: 443 ( ).

*Syrphus saundersi* Goot, 1964: 219, n. n. *tricolor* Walker.  
Syn. Smith & Vockeroth 1980: 490.

## NEW SPECIES.--

*serarius* of: Doesburg 1957: 106 ( ); Keiser 1971: 228 ( )

***stuckenbergi***.--(AF: AF) Comoros, Madagascar.

*Metasyrphus stuckenbergi* Keiser 1971: 229. Type-locality:  
Madagascar, Central Plateau, Manjakatombo, 1700 m (HT F  
MNHN Paris [Keiser]).

*Betasyrphus stuckenbergi*. Smith & Vockeroth 1980: 490  
(catalog citation); Dirickx 1998: 23 (catalog  
citation); Whittington 2004: 588 (citation, fauna  
assessment).

*Syrphus serarius* (misid.) of: Doesburg 1957: 106  
(Madagascar, descr. note)

*Metasyrphus serarius* (misid.) of; Keiser 1971: 228 (descr.  
note, Madagascar).

*Betasyrphus* sp. De Meyer et al. 1990: 567 (Comoros);

### **Genus *Chrysotoxum* Meigen**

**continuum**.--(AF: AF) Ethiopia, Uganda, Rwanda, Burundi

*Chrysotoxum continuum* Bezzi, 1915: 118. Type-locality: Kenya. Nairobi (T ♂ BMNH). Bezzi 1921: 19 (????); Curran 1938: 1 (????); Smith & Vockeroth 1980: 495 (catalog citation); Dirickx 1998: 29 (catalog citation); Whittington 2004: 590 (citation, fauna assessment); intermedium of Bezzi 1908: 34 (????).

### **Genus *Episyrphus* Matsumura**

*Episyrphus* Matsumura in Matsumura & Adachi 1917: 134. Type-species, *fallaciosus* Matsumura (monotypy) = *balteatus* De Geer.

*Heterepistrophe* Szilady 1940: 59. *Nomen nudum*.

*Heterepistrophe* Goffe 1944: 136. Type-species, *Musca balteata* De Geer (original designation).

References: Vockeroth 1969: 124 (descr., male genitalia), 1973: 599 (key african spp.); Ghorpade 1981: 94 (african key).

All the Afrotropical species belong to the typic subgenus, *Episyrphus*. In the Oriental and Australian biotic regions, there is another subgenus, *Asiobaccha*, which consist of species with petiolate abdomens.

**balteatus**.--(PA: PA AF OR AU) widespread Palaearctic; Bonin Is. *Musca balteata* De Geer, 1776: 116. Type-locality: Sweden (T A NRS).

*Syrphus balteatus*. Meigen 1822: 312 (????);

*Epistrophe balteata*. Szilády 1942: 91 (????).

*Episyrphus balteatus*. Dirickx 1998: 29 (catalog citation); Whittington 2004: 590 (citation, fauna assessment);

??? Does *balteatus* occur in the Afrotropical region ??? Or is Szilády record a misidentification of *trisectus* as Henri suggests

**circularis**.--(AF: AF) Madagascar, Mauritius.

*Asarcina circularis* Hull 1941: 319. Type-locality:

Madagascar, Tamatave, Oriental Forest, vicinity of Fanovana, between Tamatave & Tananarive (HT F ANSP).

*Asarcina cingularis*. Doesburg 1957: 105 (mssp., descr. male).

*Episyrrhus circularis*. Vockeroth 1969: 125 (citation), 1973: 604 (key ref., abdomen\*, male genitalia); Smith & Vockeroth 1980: 491 (catalog citation); Dirickx 1998: 29 (catalog citation); Whittington 2004: 590 (citation, fauna assessment).

???? *Epistrophe* sp. Orian 1962: 13 (Mauritius).

**flavibasis**--(AF: AF) Comoros, Madagascar

*Epistrophe flavibasis* Keiser 1971: 225. Type-locality: Madagascar. Joffreville (D.-S.) (HT F MNHN Paris [Keiser]).

*Episyrrhus flavibasis*. Vockeroth 1973: 604 (key ref., abdomen\*); Smith & Vockeroth 1980: 491 (catalog citation); De Meyer et al. 1990: 567 (Comoros); Dirickx 1998: 30 (catalog citation); Whittington 2004: 590 (citation, fauna assessment).

**insularis**--(AF: AF) Madagascar, Réunion.

*Episyrrhus insularis* Kassebeer 2000a: 51 (abdomen\*, male genitalia\*). Type-locality: Reunion, Foret de Notre-Dame de Paix, Ackerbrache, 21° 14' 52S 55° 35' 47E, 1600 m (HT M Kassebeer).

**nigromarginatus**--(AF: AF) South Africa

*Episyrrhus nigromarginatus* Vockeroth, 1973: 600. Type-locality: South Africa (HT A NMP). Smith & Vockeroth 1980: 491 (catalog citation); Dirickx 1998: 30 (catalog citation); Whittington 2004: 590 (citation, fauna assessment);

**petilis**--(AF: AF) Mozambique, Zimbabwe, South Africa

*Episyrrhus petilis* Vockeroth, 1973: 602. Type-locality: Mozambique (HT A NMP). Smith & Vockeroth 1980: 491 (catalog citation); Dirickx 1998: 30 (catalog citation); Whittington 2004: 590 (citation, fauna assessment);

**stuckenbergi**--(AF: AF) Madagascar.

*Syrphus stuckenbergi* Doesburg 1957: 105. Type-locality: Madagascar, Ankaratra, Station forestière de Manjakatompo (HT M IRSN). [As syn. of *circularis* in Smith & Vockeroth 1980: 491 & Vockeroth 1973: 604]

*Episyrrhus stuckenbergi*. Whittington 2004: 490 (citation, fauna assessment)

*Episyrrhus meliscaevoides* Ghorpade 1981: 91 (abdomen\*, head\*, male genitalia\*). Type-locality: Madagascar, Kianjavato (HT M USNM (GHORPADE)). Dirickx 1998: 30 (catalog citation); Whittington 2004: 590 (citation, fauna assessment). Syn. Kassebeer 2000a: 54.

Given my German is OK, I read Kassebeer to say that 1) Doesburg had two species in his type series (*meliscaevoides* and

*circularis*), 2) that the paratype studied by Vockeroth belonged to

Doesburg described his species from 2 male from the same lot.

***trisectus***.--(AF: AF) Comoros, Madagascar, Mauritius; widespread afrotropics.

*Syrphus trisectus* Loew 1858: 379 [1860: 379]. Type-locality: South Africa [as "Caffrerei"] (LT F NRS design). Vockeroth 1973: 600 by assumption of HT). Kertész 1910: 130 (catalog citation); Becker 1922: 816, pl. 1, fig. 8 (habitus\*, descr., Kenya); Curran 1938b: 8, 11 (key ref., distribution records); Orian 1962: 14 (Mauritius).

*Episyrrhus trisectus*. Vockeroth 1969: 125 (citation), 1973: 600 (key ref., LT design., diff. *balteatus*, distr., abdomen\*, male genitalia\*); Smith & Vockeroth 1980: 491 (catalog citation); De Meyer et al. 1990: 567 (Comoros); Dirickx 1998: 30 (catalog citation); Whittington 2004: 590 (citation, fauna assessment).

### **Genus *Eupeodes* Osten Sacken**

*Eupeodes* Osten Sacken 1877: 328. Type-species, *volucris* Osten Sacken (monotypy).

*Metasyrphus* Matsumura in Matsumura & Adachi 1917: 147. Type-species, *Syrphus corollae* Fabricius (original designation).

References: Vockeroth 1969: 62, 66 (descr., male genitalia [*Metasyrphus* & *Eupeodes* as separate genera])

***corollae***.--(PA: AF)

*Syrphus corollae* Fabricius, 1794: 306. Type-locality: Germany (T). Kertész 1910: 110 (catalog citation); Becker 1910: 141 (????); Hervé-Bazin 1914: 283 (????); Szilády 1942: 92 (????).

*Scaeva corollae*. Fabricius 1805: 250 (????).

*Metasyrphus corollae*. Smith & Vockeroth 1980: 491 (catalog citation); De Meyer & Maragia 1993: 3 (????)

*Eupeodes corollae*. Whittington 2004: 593 (citation, fauna assessment);

*Syrphus dentatus* Walker, 1852: 229. Type-locality: South Africa (T A BMNH). Syn. Smith & Vockeroth 1980: 491.

*Xanthogramma dentatum*. Kertész 1910: 151 (catalog citation);

*Syrphus cognatus* Loew, 1858: 378. South Africa. Loew 1860:

378 (????); Kertész 1910: 109 (catalog citation);

Bezzi 1915: 33 (????), 1920: 136 (????); Curran &

Bryan 1926: 82 (????); Curran 1938: 6 (????). Syn.  
Smith & Vockeroth 1980: 491.

*Metasyrphus cognatus*. Hull 1964: 443 (????); Schmutterer  
1974: 49 (????).

- nuba**.--(AF: AF PA) Sudan, Egypt, Morocco, Israel, Yugoslavia  
*Syrphus nuba* Wiedemann, 1830: 136. Type-locality: Sudan (T A  
 SMF). Kertész 1910: 123 (catalog citation);  
*Metasyrphus nuba*. Smith & Vockeroth 1980: 492 (catalog  
 citation);  
*Eupeodes nuba*. Whittington 2004: 593 (citation, fauna  
 assessment);  
*Syrphus interruptus* Walker, 1871: 273. Type-locality:  
 Egypt, Cairo, Wady Nash (T F BMNH). Syn. Smith &  
 Vockeroth 1980: 492.  
*Syrphus rufinasutus* Bigot, 1884: 88. Type-locality: Morocco  
 (T A UMO). Syn. Smith & Vockeroth 1980: 492.  
*Syrphus novigradensis* Coe, 1960: 73. Type-locality:  
 Yugoslavia (T A BMNH). Syn. Smith & Vockeroth 1980:  
 492.

**ohmi**.--Réunion.

*Eupeodes ohmi* Kassebeer 2000a: 57. Type-locality:  
 Mascarenes. Réunion, Bourg-Murat, Nez de Boeuf, 21° 12'  
 20 S 55° 37' 12 E, 2070-2136 m (HT M Kassebeer).  
 Kassebeer 2000a: 57 (abdomen pattern, male genitalia);  
 Whittington 2004: 593 (citation, fauna assessment); .  
 ??? corollae of: Beazzi 1908a: 13 (Mauritius); Smith &  
 Vockeroth 1980: 491 (Mauritius)

### Genus **Exallandra** Vockeroth

*Exallandra* Vockeroth, 1969: 87. Type-species, *Syrphus*  
*cinctifacies* Speiser (original designation).

- cinctifacies**.--(AF: AF) Kenya, Liberia, South Africa, Zaire  
*Syrphus cinctifacies* Speiser, 1910: 119. Type-locality:  
 Tanzania (T ♂). Beazzi 1920: 136 (????), 1923: 342  
 (????); Séguier 1933: 17 (????); Curran 1938: 11 (????);  
 Doesburg 1955: 352 (????), 1960: 434 (???).  
*Exallandra cinctifacies*. Vockeroth 1969: 87 (male  
 genitalia\*, ???); Smith & Vockeroth 1980: 491  
 (catalog citation); Dirickx 1998: 53 (catalog  
 citation); Whittington 2004: 593 (citation, fauna  
 assessment);

### Genus **Ischiodon** Sack

*Ischiodon* Sack 1913: 5. Type-species, *trochanterica* Sack

(monotypy) = *scutellaris* Fabricius.

References: Vockeroth 1969: 103 (descr., male genitalia\*).

- aegyptius**.--Comoros, Madagascar, Mauritius, Réunion, Rodriguez, Seychelles; widespread Afrotropics.  
*Musca nigra* Forskal, 1775: xxiv. Egypt, Arabia (T ).  
*Syrphus aegyptius* Wiedemann 1830: 133. Type-locality: Egypt & Ethiopia [as "Nubien"] (ST M F SMF). Loew 1858: 378 ( ), 1860: 378 ( ), 1862: 17 ( ); Verrall 1898: 414 ( ); Ricardo 1903: 369 ( ).  
*Xanthogramma aegyptium*. Bezzi 1912: 409, (tax. notes, diff. *scutellare*), 1915: 37 (key ref., syn. diff. *scutellare*), 1920: 138 ( ), 1923: 345 ( ); Hervé-Bazin 1914: 285 ( ); Lamb 1922: 413 (Seychelles); Bezzi & Lamb 1926: 552 (Rodriguez); Orian 1962: 14 (Mauritius).  
*Ischiodon aegyptia*. Hervé-Bazin 1914: 103 (Madagascar).  
*Ischiodon aegyptium*. Curran & Bryan 1926: 82 ( ); Curran 1927: 65 ( ), 1938b: 12 (distribution records); Szilády 1942: 92 ( ); Doesburg 1961: 283 ( ); Gerlach 2009: 237 (Seychelles, fig. 12.1a as *annulipes*).  
*Ischiodon aegyptius*. Doesburg 1955: 352 ( ), 1957: 106 (Madagascar); Vockeroth 1969: 104 (descr. male genitalia\*); Schmutterer 1974: 49 ( ); Doesburg 1976: 69 ( ); Smith & Vockeroth 1980: 491 (catalog citation); Gomes 1981: 52 ( ); Claussen & Barkemeyer 1987: ???? (Cape Verde Is.); Quilici et al. 1988: 114 ( ); De Meyer et al. 1990: 567 (Comoros); Dirickx 1998: 60 (catalog citation); Kassebeer 2000a: 60 (Réunion); Barkemeyer 2002: 12 (Cape Verde Is.); Whittington 2004: 594 (citation, fauna assessment).  
*Syrphus senegalensis* Guerin-Meneville, 1832: pl. 99 [Description 1844: 545]. Type-locality: Senegal (T ♂ MNHN, Paris). Kertész 1910: 127 (catalog citation); Syn. Smith & Vockeroth 1980: 491.  
*Syrphus longicornis* Macquart, 1842: 154. Type-locality: South Africa (T ♀ ). Syn. Kertész 1910: 153.  
*Syrphus natalensis* Macquart 1846: 262 (134). Type-locality: South Africa, "Port Natal" (T M [no indication of source]). Bigot 1859: 435 (Rodriguez). Syn. Kertész 1910: 153.  
*Syrphus felix* Walker, 1852: 229. Type-locality: Canary Is.-- (T A BMNH).  
*Sphaerophoria pyrrura* Bigot, 1884: 99. Type-locality: Senegal (T ♂ ). Syn. Smith & Vockeroth 1980: 491.

*Xanthogramma pyrrura*. Kertész 1910: 153 (catalog citation);  
*Sphaerophoria borbonica* Bigot 1884: 100. Type-locality:  
 Mascarenes. Réunion (ST M F ????). Syn. Smith &  
 Vockeroth 1980: 491.  
*Xanthogramma borbonicum*. Bezzi 1908a: 14 (citation (Réunion,  
 Mauritius, Rodriguez)); Kertész 1910: 151 (catalog  
 citation); Orian 1962: 14 (Mauritius).  
*Sphaerophoria scutellaris* of: Becker 1910: 141 ( ).  
*Melithreptus scutellaris* of: Becker 1922: 816 (Kenya); Séguy  
 1933: 17 ( ).  
*Melithreptus scutellatus* of: Séguy 1931: 119 ( ).  
*Xanthogramma scutellare* of or in part: Bezzi 1908: 26 ( );  
 Kertész 1910: 153 (catalog citation); Becker 1923: 67 ( );  
 Séguy 1939: 135 ( ), 1955: 163 ( ).  
 ??? *menthastri* of Bezzi 1908a: 14 (Seychelles)

Bezzi (1908a) had a broad concept of *Ischiodon* with *aegyptium* as  
 a synonym of *scutellare*. Kertész (1910: 153) follows this, adding  
 in two oriental synonyms (*novaeguinea* Kertesz & *splendens*  
 Doleschall). Need to review synonymous history more carefully.

**feae**--(AF: AF) Cape Verde Is.

*Syrphus feae* Bezzi, 1912: 407. Type-locality: Cape Verde Is.  
 (T ). Claussen & Barkemeyer 1987: ???? (diff.  
*aegyptius*, Cape Verde Is.); Barkemeyer 2002: 13 (Cape  
 Verde Is.)

**Genus *Meliscaeva* Frey**

*Meliscaeva* Frey 1946: 164. Type-species, *Scaeva cinctella*  
 Zetterstedt (original designation).

References. Vockeroth 1969: 116 (key ref., descr., MG\*)

**auricollis**--(PA: PA AF) Cape Verde Is.; Canary Is., Europe,  
 North Africa.

*Syrphus auricollis* Meigen 1822: 318. Type-locality: Germany  
 [not given, but restricted by title and common sense]  
*Meliscaeva auricollis*: Barkemeyer 2002: 13 (Cape Verde Is.)

**Genus *Pseudodoros* Becker**

*Pseudodoros* Becker 1903: 92. Type-species, *nigricollis* Becker  
 (monotypy).

*Pseudodoros* Efflatoun 1926: 277. Misspelling.

*Dioprosopa* Hull 1949a: 99 (also 1949b: 296). Type-species,  
*Syrphus clavatus* Fabricius (monotypy).

Reference. Kassebeer 2000b (revision).

**nigricollis**.--(AF: AF) Madagascar; Egypt & Israel, south to South Africa.

*Pseudodoros nigricollis* Becker 1903: 92. Type-locality:  
Egypt, Cairo (HT M ZMHU). Kertész 1910: 156 (catalog citation); Smith & Vockeroth 1980: 493 (catalog citation); Dirickx 1998: 115 (catalog citation); Kassebeer 2000b: 85 (syn., descr., male genitalia\*, abdomen pattern, map); Whittington 2004: 600 (citation, fauna assessment).

*Baccha extranea* Bezzii 1915: 47. Type-locality: Zimbabwe, Harare [as "Salisbury"] (HT M BMNH). Syn. Curran 1939: ????.

### **Genus *Scaeva* Fabricius**

*Scaeva* Fabricius 1805: 248. Type-species, *Musca pyrastri* Linnaeus (subsequent designation of Curtis 1834: pl. 509)

References: Vockeroth 1969: ???? (key ref., descr. MG\*)

*albomaculatus*.--(PA: PA AF)

*Syrphus albomaculatus* Macquart 1842: 146 (86). Type-locality: Egypt. Mont Sinai & Algeria. Alger. (ST MNHN, Paris).

*Scaeva albomaculata*. ????

*Scaeva albomaculatus*: Claussen & Barkemeyer 1987: ???? (Cape Verde Is.); Barkemeyer 2002: 14 (Cape Verde Is.).

### **Genus *Sphaerophoria* Le Peletier & Serville**

#### **Subgenus *Loveridgeana* Doesburg & Doesburg**

*Loveridgeana* Doesburg & Doesburg, 1977: 63. Type-species, *beattiei* Doesburg & Doesburg (original designation).

**beattiei**.--(AF: AF) St. Helena

*Loveridgeana beattiei* Doesburg & Doesburg, 1977: 64. Type-locality: St. Helena (HT ). Smith & Vockeroth 1980: 491 (catalog citation); Dirickx 1998: 72 (catalog citation);

*Sphaerophoria beattiei*. Whittington 2004: 602 (citation, fauna assessment);

**Subgenus *Sphaerophoria* Le Peletier & Serville**

**quadrituberculata**.--(AF: AF) South Africa

*Sphaerophoria quadrituberculata* Bezzi, 1915: 35. Type-locality: South Africa (T A BMNH). Stuckenbergh 1954: 58 (????); Vockeroth 1973: 606 (????); Smith & Vockeroth 1980: 492 (catalog citation); Dirickx 1998: 128 (catalog citation); Whittington 2004: 602 (citation, fauna assessment);

**retrocurva**.--(AF: AF) South Africa

*Sphaerophoria retrocurva* Hull, 1944: 58. Type-locality: South Africa (T A BMNH). Vockeroth 1973: 607 (????); Schmutterer 1974: 51 (????); Smith & Vockeroth 1980: 492 (catalog citation); Dirickx 1998: 128 (catalog citation); Whittington 2004: 602 (citation, fauna assessment);

**rueppellii**.--(AF: AF PA) Ethiopia, Kenya, South Yemen, Egypt

*Syrphus rueppellii* Wiedemann, 1830: 141. Type-locality: Sudan (T A SMF).

*Sphaerophoria Rüppellii*. Kertész 1910: 140 (catalog citation);  
*Sphaerophoria rueppellii*. Bezzi 1908: 25 (????); Hervé-Bazin 1914: 284 (????); Vockeroth 1969: 134 (????), 1973: 606 (????); Smith & Vockeroth 1980: 492 (catalog citation); Dirickx 1998: 128 (catalog citation); Whittington 2004: 602 (citation, fauna assessment);  
*Syrphus incertus* Wiedemann, 1830: 143. Type-locality: Sudan (T). Syn. Smith & Vockeroth 1980: 492.  
*Xanthogramma incertum*. Kertész 1910: 152 (catalog citation);  
*Sphaerophoria calceolata* Macquart, 1842: 164. Type-locality: Egypt (T A MNHNP). ???? Syn. Kertész 1910: 140.

Subfamily Eristalinae

**Tribe Rhingiini**

**Genus *Rhingia* Scopoli**

*Rhingia* Scopoli, 1763: 358. Type-species, *Conops rostrata* Linnaeus (monotypy)

**Subgenus *Eorhingia* Hull**

*Eorhingia* Hull, 1949: 341. Type-species, *Rhingia cuthbertsoni* Curran (original designation).

**cuthbertsoni**.--(AF: AF) Zimbabwe, Kenya, Tanzania, Uganda  
*Rhingia cuthbertsoni* Curran, 1939: 2. Type-locality: Zimbabwe (T A AMNH). Smith & Vockeroth 1980: 495 (catalog citation); Dirickx 1998: 117 (catalog citation); Whittington 2004: 600 (citation, fauna assessment);

**Subgenus *Rhingia* Scopoli**

**caerulescens**.--(AF: AF) South Africa, Kenya, Malawi, Zimbabwe, Tanzania, Zaire

*Rhingia caerulescens* Loew, 1858: 377. Type-locality: South Africa (T). Loew 1860: 374 ( ); Johnson 1898: 159 ( ); Bezzi 1915: 54 ( ); Curran 1939: 1 ( ); Smith & Vockeroth 1980: 495 (catalog citation); Dirickx 1998: 116 (catalog citation); Whittington 2004: 600 (citation, fauna assessment);

*Rhingia coeruleascens*. Adams 1905: 164 ( ); Kertész 1910: 181 (catalog citation); Speiser 1910: 121 ( ); Hervé-

Bazin 1914: 288 ( ); Curran 1927: 57 ( ).

**cnephaeoptera**.--(AF: AF) Cameroun, Uganda

*Rhingia cnephaeoptera* Speiser, 1915: 94. Type-locality: Cameroun. Douala (HT ♀ ). Smith & Vockeroth 1980: 495 (catalog citation); Dirickx 1998: 117 (catalog citation); Whittington 2004: 600 (citation, fauna assessment);

**coerulea**.--(AF: AF) Guinea-Bissau

*Rhingia coerulea* Bezzii, 1912: 411. Type-locality: Guinea-Bissau. Bolama (HT ♀ ). Smith & Vockeroth 1980: 495 (catalog citation); Dirickx 1998: 117 (catalog citation); Whittington 2004: 600 (citation, fauna assessment);

**congensis**.--(AF: AF) Zaire

*Rhingia congensis* Curran, 1939: 2. Type-locality: Zaire (HT A AMNH). Smith & Vockeroth 1980: 495 (catalog citation); Dirickx 1998: 117 (catalog citation); Whittington 2004: 600 (citation, fauna assessment);

**cyanoprora**.--(AF: AF) Tanzania, Cameroun, Kenya, Nigeria, Uganda, Zaire

*Rhingia cyanoprora* Speiser, 1910: 122. Type-locality: Tanzania. Kilimandjaro (T ). Speiser 1913: 143 ( ); Bezzii 1920: 140 ( ); Curran 1939: 2 ( ); Doesburg 1955: 353 ( ), 1960: 435 ( ); Smith & Vockeroth 1980: 496 (catalog citation); Dirickx 1998: 118 (catalog citation); Whittington 2004: 600 (citation, fauna assessment);

*Rhingia uniformis* Curran, 1939: 2. Type-locality: Zaire (HT A AMNH) Preocc. Curran 1931: 365. Doesburg 1955: 353 ( ). Syn. Smith & Vockeroth 1980: 495.

*Rhingia currani* Goot, 1964: 219. n. n. *uniformis* Curran.

**fuscipes**.--(AF: AF) Zimbabwe, Kenya, Malawi, Zambia

*Rhingia caerulescens* var. *fuscipes* Bezzii, 1915: 54. Type-locality: Zimbabwe (T A BMNH).

*Rhingia fuscipes*. Curran 1939: 2 ( ); Smith & Vockeroth 1980: 496 (catalog citation); Dirickx 1998: 118 (catalog citation); Whittington 2004: 601 (citation, fauna assessment);

**lutea**.--(AF: AF) Zaire, Malawi

*Rhingia lutea* Hervé-Bazin 1914: 287 (*nomen nudum*)

*Rhingia lutea* Bezzii, 1915: 51. Type-locality: Zaire (T A BMNH). Smith & Vockeroth 1980: 496 (catalog citation); Dirickx 1998: 118 (catalog citation); Whittington 2004: 601 (citation, fauna assessment);

**mecyana**.--(AF: AF) Tanzania, Cameroun, Zaire

*Rhingia mecyana* Speiser, 1910: 121. Type-locality: Tanzania.

Kilimandjaro (T ♀). Speiser 1913: 131 ( ); Bezzi 1920: 140 ( ); Curran 1939: 1 ( ); Doesburg 1955: 352 ( ); Smith & Vockeroth 1980: 496 (catalog citation); Dirickx 1998: 119 (catalog citation); Whittington 2004: 601 (citation, fauna assessment);

**orthoneurina**.--(AF: AF) Tanzania, Uganda

*Rhingia orthoneurina* Speiser, 1910: 122. Type-locality: Tanzania (T ♂). Smith & Vockeroth 1980: 496 (catalog citation); Dirickx 1998: 119 (catalog citation); Whittington 2004: 601 (citation, fauna assessment);

**pellucens**.--(AF: AF) Malawi, Zimbabwe, Tanzania, Uganda, Zaire

*Rhingia pellucens* Hervé-Bazin 1914: 287 (*nomen nudum*).

*Rhingia pellucens* Bezzi, 1915: 52. Type-locality: Malawi (T A BMNH). Szilády 1942: 92 ( ); Smith & Vockeroth 1980: 496 (catalog citation); Dirickx 1998: 119 (catalog citation); Whittington 2004: 601 (citation, fauna assessment);

**pulcherrima**.--(AF: AF) Ethiopia, Eritrea, Cameroun, Zaire

*Rhingia pulcherrima* Bezzi, 1908: 30. Type-locality: Eritrea (T ♀). Curran 1939: 3 ( ); Smith & Vockeroth 1980: 496 (catalog citation); Dirickx 1998: 120 (catalog citation); Whittington 2004: 601 (citation, fauna assessment);

**pycnosoma**.--(AF: AF) Ghana, Kenya, Tanzania, Uganda, Zaire

*Rhingia pycnosoma*. Hervé-Bazin 1914: 288 (*nomen nudum*)

*Rhingia pycnosoma* Bezzi, 1915: 54. Type-locality: Ghana (T ♂ BMNH). Smith & Vockeroth 1980: 496 (catalog citation); Dirickx 1998: 120 (catalog citation); Whittington 2004: 601 (citation, fauna assessment);

**saskana**.--(AF: AF) Ethiopia

*Rhingia saskana* Szilady, 1942: 93. Type-locality: Ethiopia (T A MNM). Smith & Vockeroth 1980: 496 (catalog citation); Dirickx 1998: 120 (catalog citation); Whittington 2004: 601 (citation, fauna assessment);

**semicaerulea**.--(AF: AF) Sierra Leone, Angola, Ghana, Malawi,

South Africa

*Rhingia semicaerulea* Austen, 1893: 162. Type-locality: Sierra Leone (T ♂ BMNH). Kertész 1910: 182 (catalog citation); Bezzi 1915: 52 ( ); Curran 1927: 57 ( ); Smith & Vockeroth 1980: 496 (catalog citation); Dirickx 1998: 120 (catalog citation); Whittington 2004: 601 (citation, fauna assessment);

*Rhingia semicoerulea*. Speiser 1913: 119 ( ); Hervé-Bazin 1914: 288 ( ); Szilády 1942: 92 ( ).

**trivittata**.--(AF: AF) Zaire, Kenya, Zimbabwe, Tanzanina

*Rhingia trivittata* Curran, 1929: 11. Type-locality: Zaire.

S. W. Mikeno (HT M AMNH). Curran 1939: 1 ( ); Smith &

Vockeroth 1980: 496 (catalog citation); Dirickx 1998: 120 (catalog citation); Whittington 2004: 610 (citation, fauna assessment);

### Tribe Volucellini

#### Genus *Graptomyza* Wiedemann

*Graptomyza* Wiedemann 1820: 16. Type-species, *longirostris* Wiedemann (original designation).  
*Graptomyza* Henning 1832: 332. Type-species, *longicornis* Hennig (subsequent designation by Thompson & Vockeroth 1989: 446). Preocc. Wiedemann 1820.  
*Ptilostylomyia* Bigot 1882b: 143 (1882d: cxiv). Type-species, *Graptomyza brevirostris* Wiedemann (subsequent designation by Knutson, Thompson & Vockeroth 1975: 333)

Reference. Bezzi 1912: 413 (key), 1915: 56 (key); Curran 1927: 49, 1938a: 14 (key); Whittington 1992 (revision, key), 1994 (distribution, conservation).

**amplicavum**.--(AF: AF) Madagascar.

*Graptomyza amplicavum* Whittington 1992: 225 (head\*, scutellum\*, metatibia\*. wing\*, abdomen\*). Type-locality: Madagascar, Fianarantsoa, Ranomarana, 7 km West of, 21°15' S 47°25' E, 900 m (HT F USNM). Whittington 1994: 731 (distribution & conservation status), 2004: 594 (citation, fauna assessment) Dirickx 1998: 53 (catalog citation).

**aurea**.--(AF: AF) Nigeria, Ghana, Zaire

*Graptomyza aurea* Bezzi, 1915: 59. Type-locality: Nigeria (LT A BMNH design. Whittington 1992: ????). Curran 1927: 49 (????); Smith & Vockeroth 1980: 497 (catalog citation); Whittington 1992: 237 (????), 1944: 732 (?), 2004: 594 (citation, fauna assessment); ; Dirickx 1998: 53 (catalog citation); ,

**breviscutum**.--(AF: AF) Zaire

*Graptomyza breviscutum* Curran, 1929: 7. Type-locality: Zaire. Lesse (HT M AMNH). Curran 1939: 14 (????); Doesburg 1955: 353 (?); Smith & Vockeroth 1980: 497 (catalog citation); Whittington 1992: 241 (????), 1994: 732 (?), 2004: 594 (citation, fauna assessment);

**clarala**.--(AF: AF) Madagascar.

*Graptomyza clarala* Whittington 1992: 228 (head\*, scutellum\*, metatibia\*, wing\*). Type-locality: Madagascar, Fianarantsoa, Ranomarana, 7 km West of, 21°15' S 47°25'

E, 900 m (HT F USNM). Whittington 1994: 731 (distribution & conservation status), 2004: 594 (citation, fauna assessment); Dirickx 1998: 54 (catalog citation).

**hova**.--(AF: AF) Madagascar.

*Graptomyza hova* Keiser 1971: 260. Type-locality:

Madagascar. Centralplateau: Tananarive (Tan.) 18° 55' S 47° 31' E (HT F MNHN Paris [Keiser] lost?). Smith & Vockeroth 1980: 497 (catalog citation); Whittington 1992: 264 (not placed, translation of orig. desc.), 1994: 732 (as nomen dubium), 2004: 594 (citation, fauna assessment); Dirickx 1998: 54 (catalog citation).

According to Matile in Whittington (1992: 265) the holotype is missing and may have been loan without documentation.

Andy did not place *hova* because he could not study the type. However, I suspect based on his key, etc., that *hova* is his *pallidinota*. At least, that is where Keiser description places *hova*.

**lutea**.--(AF: AF) Zaire

*Graptomyza lutea* Whittington, 1992: 242. Type-locality:

Zaire. Kivu, d'Epulu (HT ♂). Whittington 1992: 242 (????), 1994: 731 (????), 2004: 594 (citation, fauna assessment); Dirickx 1998: 54 (catalog citation);

**mitis**.--(AF: AF) South Africa

*Graptomyza mitis* Curran & Bryan, 1926: 83. Type-locality:

South Africa (HT). Whittington 1992: ???? (????), 1994: 59 (puparium\*, descr. puparium), 2004: 594 (citation, fauna assessment); .

**nigra**.--(AF: AF) Uganda, Zaire

*Graptomyza nigra* Beazzi, 1915: 60. Type-locality: Uganda (T A BMNH). Smith & Vockeroth 1980: 497 (catalog citation); Whittington 1992: 243 (????), 2004: 594 (citation, fauna assessment);

**nigricavum**.--(AF: AF) Kenya

*Graptomyza nigricavum* Whittington, 1992: 247. Type-locality:

Kenya. Nakuru, NE of (HT ♂). Whittington 1992: 247 (????), 1994: 731 (????), 2004: 594 (citation, fauna assessment); Dirickx 1998: 55 (catalog citation);

**pallidinotata**.--(AF: AF) Madagascar.

*Graptomyza pallidinotata* Whittington 1992: 229 (head\*, scutellum\*, wing\*, abdomen\*, male genitalia\*). Type-locality: Madagascar, Ankarana, near Ambilobe, 13° 10' S 49° 03' E (HT M NMC). Whittington 1994: 731 (distribution & conservation status), 2004: 594 (citation, fauna

assessment); Dirickx 1998: 54 (catalog citation).

**perforata**.--(AF: AF) Tanzania

*Graptomyza perforata* Doesburg, 1960: 435. Type-locality: Tanzania (HT ). Smith & Vockeroth 1980: 497 (catalog citation); Whittington 1992: 232 (????), 1994: 731 (????), 2004: 594 (citation, fauna assessment); Dirickx 1998: 55 (catalog citation);

**quadrifaria**.--(AF: AF) Tanzania

*Graptomyza quadrifaria* Szilady, 1942: 96. Type-locality: Tanzania (T ). Smith & Vockeroth 1980: 497 (catalog citation); Smith & Vockeroth 1980: 497 (catalog citation); Whittington 1992: 232 (????), 1994: 731 (????), 2004: 594 (citation, fauna assessment); Dirickx 1998: 55 (catalog citation);

**robusticornis**.--(AF: AF) Madagascar.

*Graptomyia robusticornis* Doesburg 1957: 107. Type-locality: Madagascar, Ankaratra, Station forestière de Manjakatombo (HT F IRSN). Keiser 1971: 259 (descr. notes, Madagascar); Smith & Vockeroth 1980: 497 (catalog citation); Whittington 1992: 230 (key ref., syn., descr., head\*, scutellum\*, metatibia\*, wing\*, abdomen\*), 1994: 731 (distribution & conservation status), 2004: 594 (citation, fauna assessment); Dirickx 1998: 55 (catalog citation).

Type: According to Whittington (1992: 231) the type is not in IRSN, nor Paris or Pietermaritzburg. Leiden should be checked for it.

**signata**.--(AF: AF) South Africa

*Paragus signata* Walker, 1860: 288. Type-locality: South Africa (T A BMNH). Kertész 1910: 6 (catalog citation);????

*Graptomyza signata*. Speiser 1913: 120 (????); Curran & Bryan 1926: 82 (????); Doesburg 1955: 359 (????); Smith & Vockeroth 1980: 497 (catalog citation); Whittington 1992: 248 (????), 1994: 59 (descr. puparium\*), 1994: 731 (????), 2004: 594 (citation, fauna assessment);

*Graptomyza vittigera* Bigot, 1884: 321. Type-locality: South Africa (T ). Kertész 1910: 206 (catalog citation); Bezzi 1912: 413 (????); Doesburg 1955: 359 (????). Syn. Speiser 1913: 120

**spinifera**.--(AF: AF) Gabon, Cameroun

*Graptomyza spinifera* Whittington 1991: ??. Nomen nudum.

*Graptomyza* sp. 2. Whittington 1992: ????

*Graptomyza spinifera* Whittington, 1994: 719. Type-locality:

Gabon. "Ipassa Piste Panthére" 00 30'N 12 48'E (HT ♀ MNHN, Paris). Whittington 1994: 719 (habitus\*); Dirickx 1998: 56 (catalog citation);

***suavissima***--(AF: AF) Tanzania, Kenya

*Graptomyza suavissima* Karsch, 1888: 382. Type-locality: Tanzania (T ). Kertész 1910: 206 (catalog citation); Bezzi 1912: 413 ( ???? ); Smith & Vockeroth 1980: 497 (catalog citation); Whittington 1992: 263 ( ???? ), 1994: 731 ( ???? ), 2004: 594 (citation, fauna assessment); Dirickx 1998: 56 (catalog citation);

***summa***--(AF: AF) South Africa

*Graptomyza summa* Whittington, 1992: 234. Type-locality: South Africa (HT ). Whittington 1992: 234 ( ???? ), 1994: 731 ( ???? ), 2004: 594 (citation, fauna assessment); Dirickx 1998: 56 (catalog citation);

***triangulifera***--(AF: AF) Cameroun, Zaire

*Ptilostylomyia triangulifera* Bigot, 1883: cxiv. Type-locality: Sierra Leone (T A BMNH). Bigto 1884: 322 ( ???? ); Kertész 1910: 206 (catalog citation); Bezzi 1912: 413 ( ???? ); Speiser 1913: 119 ( ???? ); Curran & Bryan 1926: 82 ( ???? ); Curran 1927: 49 ( ???? ), 1938: 14 ( ???? ); Szilády 1942: 91 ( ???? ); Doesburg 1955: 353 ( ???? ); Smith & Vockeroth 1980: 497 (catalog citation); Whittington 1992: 253 ( ???? ), 1994: 62 (descr. puparium\*), 1994: 731 ( ???? ), 2004: 594 (citation, fauna assessment); Dirickx 1998: 57 (catalog citation);

*Graptomyza melanura* Bezz, 1908: 381. Type-locality: Zaire (T ). Bezz 1912: 412 ( ???? ). Syn. Bezz 1915: 56.

*Graptomyza pentaspila* Bezz, 1908: 381. Type-locality: Zaire (T ). Bezz 1912: 412 ( ???? ). Syn. Bezz 1915: 56.

*Graptomyza liberiae* Greene, 1949: 78. Type-locality: Liberia (HT M USNM). Syn. Whittington 1992: 253.

***varia***--(AF: AF) Sierra Leone

*Microdon varia* Walker, 1849: 540. Type-locality: Sierra Leone (T A BMNH). Kertész 1910: 359 (catalog citation);

*Graptomyza varia*. Smith & Vockeroth 1980: 497 (catalog citation); Whittington 1992: 257 ( ???? ), 1994: 732 ( ???? ), 2004: 594 (citation, fauna assessment); Dirickx 1998: 57 (catalog citation);

***xanthopoda***--(AF: AF) Ghana

*Graptomyza xanthopoda* Bezz, 1915: 57. Type-locality: Ghana. Obuasi (HT ♀ BMNH). Smith & Vockeroth 1980: 497 (catalog citation); Whittington 1992: 259 ( ???? ), 1994: 732 ( ???? ), 2004: 594 (citation, fauna assessment); Dirickx 1998: 57 (catalog citation);

**Genus *Ornidia* Le Peletier & Serville**

*Ornidia* Le Peletier & Serville 1828: 786. Type-species, *Syrphus obesus* Fabricius (original designation). Proposed as a subgenus.

References: Thompson 1991 (revision, key); Whittington & Rotheray 1997 (immatures).

***obesa*.**--(NT: AF, AU, NE, NT, OR) Comoros, Madagascar, Mauritius, Réunion, Rodriguez, Seychelles; widespread southern Nearctic, throughout Neotropics, Pacific islands.

*Syrphus obesus* Fabricius 1775: 763. Type-locality: Virgin Is. [as "America"] (LT M UZMC design. Thompson 1981: 195). Fabricius 1805: 227 (syn., diagnosis); *Syrphus obsus*. Zimsen 1964: 477 (4 types in Kiel Collection).

*Musca obesa*. Gmelin 1790: 2868 (diagnosis).

*Ornidia obesa*. Le Peletier & Serville 1825: 786 ( ); Smith & Vockeroth 1980: 497 (catalog citation); Doesburg 1955: 358 ( ); De Meyer et al. 1990: 570 (Comoros); Thompson 1991: 256 (adult description, male genitalia\*); Whittington & Rotheray 1997 (larva, distribution, status in Afrotropical region); Dirickx 1998: 102 (catalog citation); Kassebeer 2000a: 62 (Réunion); Whittington 2004: 598 (citation, fauna assessment); Gerlach 2009: 237 (Seychelles, habitus\*).

*Volucella obesa*. Wiedemann 1830: 199 (syn., descr.); Walker 1849: 637 (??? Mauritius); Bigot 1859: 431 (Madagascar), 1862: 38 (Réunion); Giglio-Tos 1895: 355 ( ); Bezzi 1908a: 15 (Madagascar, Mauritius, Réunion, Seychelles), 1920: 140 ( ); Kertész 1910: 196 (catalog citation); Lamb 1922: 414 (Seychelles); Bezzi & Lamb 1926: 552 (Rodriguez); Scott 1933: 372 (Seychelles); Orian 1962: 14 (Mauritius).

*Ornida obesa* is a ubiquitous fly in the New World tropics and once was more widespread in the Old World tropics and the north of the New World. In the New World, the species have been recorded as far north as Colorado, Massachusetts and New York, and in the Old World tropics as far west as mainland Africa, but there are no modern records from these areas [in the above synonymy I have tried to give all the exotic citations to *obesa*, but only the principal New World ones]. *Ornidia obesa* is known to breed in human latrines and other semiliquid wastes, and back when sanitation was not as good as today, *Ornidia obesa* apparently had a more extensive range. As Macquart (1850: 311)

first noted, *Ornidia obesa* is the only New World fly that has spread to the Old World tropics. *Ornidia obesa* is known to carry bacteria of public health importance (*Salmonella*, *Shigella* and *Mycobacterium*. The species is also beneficial as the maggots can convert coffee-production waste products into useful protein sources for cattle feed. See Thompson (1991: ) for further details and references.

#### Tribe Eristalini

References: Bezzi 1912: 16 (key to groups of Eristalina);

#### Subtribe Eristalina

##### Genus *Eristalinus* Rondani

*Eristalinus* Rondani 1845: 453. Type-species, *Musca sepulchralis* Linnaeus (subsequent monotypy in Rondani 1857: 38)

The unpublished work but reported at the Syrphid workshops strongly suggest that the eye pattern character used to separate the traditional subgenera of *Eristalinus* do not correspond with other characters (molecular sequences). But for pragmatic identification reasons, the species are sorted into these traditional groups.

##### group *Eristalinus* Rondani

Is here restricted to the type species, *sepulchralis* Linnaeus, and, hence, is not found outside of the Palaearctic region.

##### group *Eristalodes* Mik

*Eristalodes* Mik 1897: 114. Type-species, *Eristalis taeniopus* Wiedemann (original designation).

References: Bezzi 1912: 431 (key), 1915: 87 (key); Curran 1927: 74 (key), 1939b

##### *aequalis*--(AF: AF) Zimbabwe

*Eristalis aequalis* Adams, 1905: 161. Type-locality: Zimbabwe (T A UKAL).

##### *ampyx*--(AF: AF) Zaire

*Eristalodes ampyx* Speiser, 1924: 48. Type-locality: Zaire (T ♀). Dirickx 1998: 33 (catalog citation);

*Eristalinus ampyx*. #SV501 (catalog citation); Whittington 2004: 591 (citation, fauna assessment);

##### *barclayi*--(AF: AF) ???? Mauritius; Malawi...

*Eristalodes barclayi* Bezz 1915: 89. Type-locality: Malawi, Fort Johnston (ST M F BMNH). Bezz 1921: 7 ( ), 1923: 347 ( ); Curran 1939b: 7 (key ref.); Dirickx 1998: 33 (catalog citation).

*Eristalinus barclayi*. Smith & Vockeroth 1980: 501 (catalog citation); Whittington 2004: 579 (citation, fauna assessment).

*Eristalis barclayi*. Orian 1962: 13 (Mauritius).

**cressoni**--(AF: AF) Madagascar, Mauritius, Réunion.

*Eristalodes cressoni* Hull 1941: 325. Type-locality: Madagascar, Tamatave, Oriental Forest, Fanovana between Tamatave and Tananarive (HT M ANSP). Dirickx 1998: 34 (catalog citation).

*Eristalis (Eristalodes) cressoni*. Keiser 1971: 275 (descr. notes (female, distribution)).

*Eristalinus cressoni*. Smith & Vockeroth 1980: 501 (catalog citation); Kassebeer 2000a: 54 (Réunion); Whittington 2004: 591 (citation, fauna assessment).

**fuscicornis**--(AF: AF) Sudan, Zaire

*Eristalis fuscicornis* Karsch, 1887: 102. Angola (T ♂ ). Kertész 1910: 220 (catalog citation); Bezz 1908: 33 ( ).

*Eristalodes fuscicornis*. Bezz 1912: 431 ( ), 1915: 91 ( ); Curran 1939: 7 ( ); Dirickx 1998: 34 (catalog citation); .

*Eristalinus fuscicornis*. #SV502 (catalog citation); Whittington 2004: 591 (citation, fauna assessment);

*Eristalodes marshalli* Curran, 1927: 74. Type-locality: Zaire (T A AMNH). Syn. Curran 1939: 7.

**macrops**--(AF: AF) Principe

*Eristalis macrops* Karsch, 1887: 101. Type-locality: Angola (T ♂ ). Kertész 1910: 224 (catalog citation);

*Eristalodes macrops*. Bezz 1912: 431 ( ); Dirickx 1998: 34 (catalog citation);

*Eristalinus macrops*. Smith & Vockeroth 1980: 502 (catalog citation); Whittington 2004: 591 (citation, fauna assessment);

**mendax**--(AF: AF) Zaire

*Eristalodes mendax* Curran, 1927: 75. Type-locality: Zaire (HT ♀ AMNH). Doesburg 1955: 354 ( ); Dirickx 1998: 34 (catalog citation); .

*Eristalinus mendax*. Smith & Vockeroth 1980: 502 (catalog citation); Whittington 2004: 591 (citation, fauna assessment);

**plurivittatus**--(AF: AF) Anngola, Ghana, Guinea-bissau, Kenya

*Eristalis plurivittatus* Macquart, 1855: 106. Type-locality:

Gabon (T ).

**quinquelineatus**.-- Comoros; ????

*Syrphus quinque-lineatus* Fabricius 1781: 425. Type-locality: Africa aequinoctiali (T A BMNH (Bank)). Zimsen 1964: 479 (1 type in London).

*Musca quinque-lineata*. Gmelin 1790: 2870 (diagnosis).

*Eristalis quinque-lineatus*. Fabricius 1805: 239 (syn., diagnosis); Wiedemann 1830: 185 (syn., descr.); Kertész 1910: 232 (catalog citation)

*Eristalodes quinque-lineatus*. Curran 1939b: 7 (correct application of name, syn., key ref.); Doesburg 1961: 283 ( ); Dirickx 1998: 35 (catalog citation).

*Eristalis (Eristalodes) quinque-lineatus*. Keiser 1971: 276 (descr. note, Comoros).

*Eristalinus quinque-lineatus*. Smith & Vockeroth 1980: 502 (catalog citation); De Meyer et al. 1990: 569 (Comoros); Whittington 2004: 591 (citation, fauna assessment).

*Eristalis jucundus* Walker, 1849: 620. Type-locality: Unknown [as "----?"] (ST F BMNH). Syn. Thompson 1988: 214.

*Eristalis plurivittata* Macquart 1855: 86. Type-locality: Gabon. Kertész 1910: 231 (catalog citation); Bezzi 1912: 431 ( ); Speiser 127 ( ). Syn. Curran 1939: 7.

*Eristalis plurivittatus*. Bigot 1858: 363 ( ); Karsch 1887: 101 ( ).

*Eristalodes plurivittata*. Hervé-Bazin 1914: 293 ( ); Szilády 1942: 91 ( ),

*Eristalodes plurivittatus*. Bezzi 1915: 88 ( ), 1921: 7 ( ); Curran & Bryan 1926: 82 ( ); Curran 1927: 74 ( ).

*Eristalinus plurivittatus*. Smith & Vockeroth 1980: 502 (catalog citation); Whittington 2004: 591 (citation, fauna assessment);

*Eristalis aequalis* Adams 1905: 161. Type-locality: Zimbabwe (T ♀ UKaL). Kertész 1910: 210 (catalog citation); Syn. Hervé-Bazin 1914: 115.

*Eristalinus aequalis*. Smith & Vockeroth 1980: 501 (catalog citation); Whittington 2004: 591 (citation, fauna assessment);

**seychellarum**.--(AF: AF) Seychelles.

*Eristalodes seychellarum* Bezzi 1915: 91 (habitus\*). Type-locality: Seychelles, Mahé (HT F BMNH). Lamb 1922: 414 (Seychelles); Scott 1933: 372 (Seychelles, breeds in *Pandanus* leaf axils); Dirickx 1998: 35 (catalog citation).

*Eristalinus seychellarum*. Smith & Vockeroth 1980: 502  
(catalog citation); Whittington 2004: 591 (citation, fauna assessment); Gerlach 2009: 238 (Seychelles, note fig. 1b = *avorum*).

***surcoufi*.**--(AF: AF) Liberia, Zaire

*Eristalodes surcoufi* Herve-Bazin, 1914: 115. Type-locality: Zaire (T ♀ MNHNP). Curran 1927: 74 ( ), 1939: 8 ( ); Doesburg 1955: 354 ( ), 1961: 283 ( ); Dirickx 1998: 36 (catalog citation);

*Eristalis surcoufi*. Séguy 1952: 157 ( ).

*Eristalinus surcoufi*. Smith & Vockeroth 1980: 502 (catalog citation); Whittington 2004: 591 (citation, fauna assessment);

***taeniops*.**--(AF: AF PA NE) India, Nepal, Pakistan, Africa, southern Europe, USA (California to Florida)

*Eristalis taeniops* Wiedemann, 1818: 42. South Africa. Cape (T ). Loew 1858: 382 ( ), 1860: 396 ( ); Verrall 1898: 415 ( ); Ricardo 1901: 106 ( ), 1903: 369 ( ); Bezzì 1908: 32 ( ); Kertész 1910: 237 (catalog citation);

*Eristalodes taeniops*. Bezzì 1912: 431 ( ), 1915: 90 ( ), 1921: 7 ( ); Hervé-Bazin 1914: 293 ( ); Curran 1939: 8 ( ); Séguy 1941: 114 ( ); Szilády 1942 ( ); Doesburg 1960: 436 ( ); Hull 1964: 455 ( ); Gomes 1981: 52 ( ); Dirickx 1998: 36 (catalog citation);

*Eristalinus taeniops*. Smith & Vockeroth 1980: 502 (catalog citation); Whittington 2004: 591 (citation, fauna assessment);

*Eristalis torridus* Walker, 1849: 612. Type-locality: Unknown (T A BMNH). Syn. Ricardo 1901: 106

*Eristalis aegyptius* Walker, 1849: 621. Type-locality: Egypt (T A BMNH).

*Eristalis secretus* Walker, 1849: 620. Type-locality: Unknown [as "----?"] (LT A BMNH).

*Eristalis communis* Adams, 1905: 162. Type-locality: Rhodesia (T A UKAL). Syn. Kertész 1910: 238.

**group *Helophilina* Becker**

*Helophilina* Becker 1922: 68. Type-species, *taeniaticeps* Becker (monotypy).

*Sarnia* Curran 1927: 73. Type species, *Eristalis smaragdinus* Macquart (original designation). Preocc. Adams, 1855.

***smaragdinus*.**--(AF: AF) Madagascar; ????

*Eristalis smaragdinus* Macquart 1842: 116 [56]. Type-locality: Senegal (T F MNHN, Paris). Kertész 1910: 236 (catalog citation); Keiser 1971: 275 (notes, distribution);

*Eristalinus smaragdinus*. Bezzi 1921: 5 ( ); Smith & Vockeroth 1980: 502 (catalog citation); Whittington 2004: 591 (citation, fauna assessment).

*Sarnia smaragdinus*. Curran 1927: 73 (descriptive notes, Zaire), 1939b: 2 (Zaire).

*Lathyrophthalmus smaragdinus*. Dirickx 1998: 70 (catalog citation).

***taeniaticeps*--(AF: AF) Sudan**

*Helophilina taeniaticeps* Becker, 1922: 68. Type-locality: Sudan. Tonga (T ZMHU).

*Eristalinus taeniaticeps*. Smith & Vockeroth 1980: 502 (catalog citation); Whittington 2004: 591 (citation, fauna assessment);

*Lathyrophthalmus taeniaticeps*. Dirickx 1998: 71 (catalog citation);

I suspect that *taeniaticeps* Becker (1922: 68, Sudan: 1 M = Khor Lolle near Tonga, 1 F = Tonga, NMW? ) is also a synonym of *smaragdinus*.

**group *Lathyrophthalmus* Mik**

*Lathyrophthalmus* Mik 1897: 114. Type-species, *Conops aeneus* Scopoli (original designation).

*Metalloeristalis* Kanervo 1938: 43. Type-species, *Conops aeneus* Scopoli (original designation). Proposed as a subgenus.

*Oreristalis* Seguy 1951: 16. *Nomen nudum*.

References: Bezzi 1912: 428 (key), 1915: 77 (key); Curran 1927: 70 (key), 1939b

***aeneus*--(PA: AF, NE, AU)** Tanzania, Kenya, Mauritius, Cape Verde Is.; widespread Palaearctic, introduced Nearctic, Australia, etc.

*Conops aeneus* Scopoli 1763: 356. Type-locality: Slovenia, Idrija [as "circa Idriam"] (T A lost).

*Musca aenea*. Villers 1787: 522 (diagnosis, descr., syn.).

*Eristalis aeneus*. Walker 1851: 244 (syn., descr., England, Ireland); Kertész 1910: 209 (catalog citation); Becker 1910: 141 ( ); Orian 1962: 13 (Mauritius).

*Eristalomyia aenea*. Rondani 1873: 295 (????)

*Lathyrophthalmus aeneus*. Mik 1897: 114 (????); Dirickx

1998: 62 (catalog citation).

*Eristalinus aeneus*. Smith & Vockeroth 1980: 501 (catalog citation, Mauritius); Claussen & Barkemeyer 1987: ???? (Cape Verde Is.); De Meyer & Maragia 1993: 3 ( ); Barkemeyer 2002: 15 (Cape Verde Is.); Whittington 2004: 591 (citation, fauna assessment).

*Syrphus aeneus* Fabricius 1794: 302. Type-locality: Germany (ST A "Dom. Smidt" ???? lost ).

*Eristalis taphicus* Wiedemann 1830: 191. Type-locality: Egypt (T ♀ NMW).

*Eristalis aeneus* var. *taphicus*. Verrall 1891: 415 ( ); Bezzi 19121: 5 ( ).

**amoenus**--(AF: AF) Mauritius; [Principe, Sao Tome = Bezzi 1912].

*Eristalis amoenus* Macquart 1850: 439 (135). Type-locality: Mauritius (T F BMNH [Bigot]).

*Eristalis amoena*. Kertész 1910: 211 (catalog citation); Bezzi 1912: 429 (key ref., descr. note, Principe, Sao Tome).

*Eristalis (Lathyrophthalmus) amoenus*. Bezzi 1908a: 16 (Mauritius). Not in Bezzi 1915

*Eristalinus amoenus*. Smith & Vockeroth 1980: 501 (catalog citation); Whittington 2004: 591 (citation, fauna assessment).

*Lathyrophthalmus amoenus*. Dirickx 1998: 63

**arvorum**--(PA: AF, OR, AU) Réunion; ??? widespread Oriental, Australian and Oceania regions.

*Syrphus aruorum* Fabricius 1787: 335. Type-locality: China (T A UZMC).

*Musca arvorum*. Gmelin 1790: 2869 (diagnosis).

*Syrphus arvorum*. Fabricius 1794: 286 (syn., diagnosis); Zimsen 1964: 478 (2 types in Copenhagen).

*Eristalis arvorum*. Fabricius 1805: 235 (syn. diagnosis).

*Eristalinus arvorum*. Kassebeer 2000a: 54 (Réunion).

**astrops**--(AF: AF) Madagascar.

*Lathyrophthalmus astrops* Hull 1941: 326. Type-locality: Madagascar, Tananarive, Oriental Forest, vicinity of Moramanga (HT F ANSP). Dirickx 1998: 63 (catalog citation)

*Eristalinus astrops*. Smith & Vockeroth 1980: 501 (catalog citation); Whittington 2004: 591 (citation, fauna assessment).

**cacops**--(AF: AF) South Africa

*Lathyrophthalmus cacops* Hull, 1964: 456. Type-locality: South Africa. Orange, Zastron (HT A NRS). Dirickx 1998: 63 (catalog citation);

*Eristalinus cacops*. Smith & Vockeroth 1980: 501 (catalog

citation); Whittington 2004: 591 (citation, fauna assessment);

**caudatus**--(AF: AF) Zaire

*Lathyrophthalmus caudatus* Doesburg, 1955: 4. Type-locality: Zaire. Equateur, Mbandaka (T ). Dirickx 1998: 63 (catalog citation);

*Eristalinus caudatus*. Smith & Vockeroth 1980: 501 (catalog citation); Whittington 2004: 591 (citation, fauna assessment);

**cupreus**--(AF: AF) Mauritius

*Eristalis cupreus* Macquart, 1842: 105. Type-locality: Mauritius (T ).

**decolor**--(AF: AF) Angola, Zaire

*Eristalis melanops* Karsch, 1887: 100. Type-locality: Angola. Pungo Andongo (T ). Syn. & first revision, Kertész 1910: 217.

*Lathyrophthalmus melanops*. Bezzi 1915: 83 ( ); Curran 1927: 72 ( ).

*Eristalinus melanops*. Smith & Vockeroth 1980: 502 (catalog citation);

*Eristalis decolor* Karsch, 1887: 104. Type-locality: Angola. Pungo Andongo (T ). Kertész 1910: 217 (catalog citation);

*Eristalinus decolor*. Whittington 2004: 591 (citation, fauna assessment);

*Lathyrophthalmus decolor*. Dirickx 1998: 63 (catalog citation);

**dissimilis**--(AF: AF) South Africa

*Eristalis dissimilis* Adams, 1905: 163. Type-locality: Zimbabwe. Harare (T ♂ UKAL). Kertész 1910: 217 (catalog citation);

*Lathyrophthalmus dissimilis*. Bezzi 1915: 87 ( ); Curran 1939: 4 ( ); Dirickx 1998: 64 (catalog citation);

*Eristalinus dissimilis*. Smith & Vockeroth 1980: 501 (catalog citation); Whittington 2004: 591 (citation, fauna assessment);

**dubiosus**--(AF: AF) Between Gambia & Guinea

*Lathyrophthalmus dubiosus* Curran, 1939: 174. Type-locality: Gambia & "Guinea" Between (HT ♀ AMNH). Dirickx 1998: 64 (catalog citation);

*Eristalinus dubiosus*. Smith & Vockeroth 1980: 501 (catalog citation); Whittington 2004: 591 (citation, fauna assessment);

**dulcis**--(AF: AF) Ghana, Uganda, Zaire

*Eristalis dulcis* Karsch, 1887: 102. Type-locality: Angola (T )

). Kertész 1910: 217 (catalog citation); Brunetti 1926: 166 ( ).

*Lathyrophthalmus dulcis*. Hervé-Bazin 1914: 294 ( ); Bezzi 1915: 87 ( ); Curran 1927: 72 ( ), 1939: 5 ( ); Szilády 1942: 92 ( ); Dirickx 1998: 64 (catalog citation);

*Eristalinus dulcis*. Smith & Vockeroth 1980: 501 (catalog citation); De Meyer & Maragia 1993: 3 ( ); Whittington 2004: 591 (citation, fauna assessment);

**eclarus**--(AF: AF) Mozambique

*Lathyrophthalmus eclarus* Curran, 1939: 6. Type-locality: Mozambique. Maputo (HT ♂ AMNH). Dirickx 1998: 65 (catalog citation);

*Eristalinus eclarus*. Smith & Vockeroth 1980: 501 (catalog citation); Whittington 2004: 591 (citation, fauna assessment);

*Lathyrophthalmus eclarus*. Dirickx 1998: 65 (catalog citation);

**euthorax**--(AF: AF) Zaire

*Lathyrophthalmus euthorax* Herve-Bazin, 1914: 295. Type-locality: Zaire. Shaba (T A MNHNP). Dirickx 1998: 65 (catalog citation);

*Eristalinus euthorax*. Smith & Vockeroth 1980: 501 (catalog citation); Whittington 2004: 591 (citation, fauna assessment);

**euzonus**--(AF: AF) Kenya, Tanzania, Zaire

*Eristalis euzonus* Loew, 1858: 385. Type-locality: South Africa (T NRS). Loew 1860: 397 ( ); Speiser 1910: 126 ( ); Becker 1922: 814 (British East Africa, Riviere Athi); Séguy 1939: 135 ( ).

*Eristalis euzona*. Kertész 1910: 218 (catalog citation);

*Lathyrophthalmus euzonus*. Hervé-Bazin 1914: 293 ( ), 1914: 481 ( ); Bezzi 1920: 142 ( ); Szilády 1942: 92 ( ); Dirickx 1998: 65 (catalog citation);

*Eristalinus euzonus*. Smith & Vockeroth 1980: 501 (catalog citation); Whittington 2004: 591 (citation, fauna assessment);

*Lathyrophthalmus euzonus* var. *andersoni* Bezzi, 1915: 82.

Type-locality: Kenya (T A BMNH).

*Lathyrophthalmus euzonus andersoni*. Bezzi 1923: 347 ( ).

*Lathyrophthalmus euzonus* var. *andersoni*. Curran 1939: 5 ( ).

*Eristalinus euzonus* var. *andersoni*. Smith & Vockeroth 1980: 501 (catalog citation);

**exophthalmus**--(AF: AF) Madagascar.

*Eristalis (Lathyrophthalmus) exophthalmus* Keiser 1971: 271

(head). Type-locality: Madagascar, Central Plateau, Ranohira (Tul.) (HT M MNHN Paris [Keiser]).

*Eristalinus exophthalmus*. Smith & Vockeroth 1980: 502 (catalog citation); Whittington 2004: 591 (citation, fauna assessment).

*Lathyrophthalmus exophthalmus*. Dirickx 1998: 65 (catalog citation).

**flaveolus**--(AF: AF) Ghana, Guinea-Bissau, Liberia, Zaire

*Eristalomyia flaveola* Bigot, 1880: 220. Type-locality: Senegal (HT A BMNH).

*Eristalis flaveola*. Kertész 1910: 218 (catalog citation); Bezzi 1912: 430 ( ).

*Lathyrophthalmus flaveolus*. Speiser 1913: 124 ( ); Bezzi 1915: 85 ( ); Curran 1927: 72 ( ), 1939: 5 ( ); Szilády 1942: 92 ( ); Doesburg 1955: 354 ( ); Dirickx 1998: 66 (catalog citation);

*Eristalinus flaveolus*. Smith & Vockeroth 1980: 502 (catalog citation); Whittington 2004: 591 (citation, fauna assessment);

**haplops**--(AF: AF) South Africa

*Eristalis haplops* Wiedemann, 1830: 182. Type-locality: South Africa. Cape of Good Hope (T ♀ ). Kertész 1910: 220 (catalog citation); Dirickx 1998: 31 (catalog citation);

*Eristalinus haplops*. Smith & Vockeroth 1980: 501 (catalog citation); Whittington 2004: 591 (citation, fauna assessment);

**lineifacies**--(AF: AF) Zaire

*Lathyrophthalmus lineifacies* Curran, 1939: 6. Type-locality: Zaire. Shaba (HT ♀ AMNH). Doesburg 1955: 354 ( ); Dirickx 1998: 66 (catalog citation);

*Eristalinus lineifacies*. Smith & Vockeroth 1980: 502 (catalog citation); Whittington 2004: 591 (citation, fauna assessment);

**longicornis**--(AF: AF) Zimbabwe

*Eristalis longicornis* Adams, 1905: 160. Type-locality: Zimbabwe (T A UKAL). Kertész 1910: 224 (catalog citation);

*Eristalinus longicornis*. Smith & Vockeroth 1980: 502 (catalog citation); Whittington 2004: 591 (citation, fauna assessment);

*Lathyrophthalmus longicornis*. Dirickx 1998: 66 (catalog citation);

**lugens**--(OR: AF OR) China, Taiwan

*Eristalis lugens* Wiedemann, 1830: 193. Type-locality: China (T ).

**madagascariensis**.--(AF: AF) Madagascar.

*Lathyrophthalmus madagascariensis* Herve-Bazin 1914: 104  
(habitus\*, head\*). Type-locality: Madagascar,  
Tananarive (ST 9 M, 3 F MNHNP). Doesburg 1957: 108  
(Madagascar); Keiser 1971: 273 (descr. notes,  
distribution); Dirickx 1998: 67 (catalog citation).

*Eristalis (Lathyrophthalmus) madagascariensis*. Keiser 1971:  
273 (descr. note, distribution).

*Eristalinus madagascariensis*. Smith & Vockeroth 1980: 502  
(catalog citation); Whittington 2004: 591 (citation,  
fauna assessment).

**megacephalus**.--(PA: PA, AF, OR) Cape Verde Is., Madagasacar;  
*Syrphus megacephalus* Rossi 1794: 63. Type-locality: Italy (T  
A ZMHU (lost?).

*Eristalinus megacephalus*. Smith & Vockeroth 1980: 502  
(catalog citation); Claussen & Barkemeyer 1987: ????  
(Cape Verde Is.); Barkemeyer 2002: 15 (Cape Verde Is.);  
Whittington 2004: 591 (citation, fauna assessment).

*Lathyrophthalmus megacephalus*. Dirickx 1998: 67 (catalog  
citation).

*Eristalis quinquefasciatus* Schiner, 1849: 364. nomen nudum  
[South Africa]. Name attributed to Loew; obviously a  
mistake for *quinquelineatus* compounded with *fasciatus*.  
Error first noted by Becker (1903: 81)  
*quinquelineatus* of authors. Bezzi 1912: 428 (key ref.,  
notes)  
???? tabanoides of: Keiser 1971: 275 (distribution).

**metallescens**.--(AF: AF) South Africa

*Eristalis metallescens* Loew, 1858: 383. Type-locality: South  
Africa (T NRS). Loew 1860: 396 ( ); Kertész 1910:  
225 (catalog citation);

*Eristalinus metallescens*. Smith & Vockeroth 1980: 502  
(catalog citation); Whittington 2004: 591 (citation,  
fauna assessment);

*Lathyrophthalmus metallescens*. Dirickx 1998: 67 (catalog  
citation);

**mirus**.--(AF: AF) Tanzania

*Lathyrophthalmus mirus* Curran, 1939: 5. Type-locality: South  
Africa. Lesotho (HT ♂ AMNH). Dirickx 1998: 68 (catalog  
citation);

*Eristalinus mirus*. Smith & Vockeroth 1980: 502 (catalog  
citation); De Meyer & Maragia 1993: 3 ( );  
Whittington 2004: 591 (citation, fauna assessment);

**monozonous**.--(AF: AF) Zaire

*Lathyrophthalmus monozonous* Herve-Bazin, 1914: 294. Type-  
locality: Zaire (T A MNHNP). Curran 1927: 72 ( );

Dirickx 1998: 68 (catalog citation);  
*Eristalinus monozonus*. Smith & Vockeroth 1980: 502 (catalog citation); Whittington 2004: 591 (citation, fauna assessment);

***nigricans***--(AF: AF) Namibia

*Eristalis nigricans* Wiedemann, 1830: 189. Type-locality: South Africa (T ). Loew 1860: 398 ( ); Kertész 1910: 227 (catalog citation); Bezzi 1908: 184 ( ).  
*Lathyrophthalmus nigricans*. Dirickx 1998: 69 (catalog citation);  
*Eristalinus nigricans*. Smith & Vockeroth 1980: 502 (catalog citation); Whittington 2004: 591 (citation, fauna assessment);  
*Eristalis nigricornis* Loew, 1858: 383. Type-locality: Namibia (T NRS). Syn. Loew 1860: 398.

***nitidiventris***--(AF: AF) South Africa

*Eristalis nitidiventris* Macquart, 1842: 103. Type-locality: South Africa. Cape of Good Hope (T ). Kertész 1910: 227 (catalog citation); Dirickx 1998: 31 (catalog citation);  
*Eristalinus nitidiventris*. Smith & Vockeroth 1980: 502 (catalog citation);

***pexalis***--(AF: AF) Ethiopia

*Lathyrophthalmus pexalis* Curran, 1939: 6. Type-locality: Ethiopia. Addis-Abeda (HT ♀ AMNH). Dirickx 1998: 69 (catalog citation);

*Eristalinus pexalis*. Smith & Vockeroth 1980: 502 (catalog citation); Whittington 2004: 591 (citation, fauna assessment);

***quadrigona***--(AF: AF) Tanzania

*Lathyrophthalmus quadrigona* Szilady, 1942: 94. Type-locality: Tanzania (T A MNM). Dirickx 1998: 69 (catalog citation);

*Eristalinus quadrigona*. Smith & Vockeroth 1980: 502 (catalog citation); Whittington 2004: 591 (citation, fauna assessment);

???? re-check Henri's note on type-locality

***quinquezona***--(AF: AF) Tanzania

*Lathyrophthalmus quinquezona* Szilady, 1942: 94. Type-locality: Tanzania (T A MNM). Dirickx 1998: 69 (catalog citation);

*Eristalinus quinquezona*. Smith & Vockeroth 1980: 502 (catalog citation); Whittington 2004: 591 (citation, fauna assessment);

**seyrigi**.--(AF: AF) Madagascar.

*Oreristalis seyrigi* Seguy 1951: 16. Type-locality:  
Madagascar, Rogez, "foret côté est" (HT F MNHNP).  
*Eristalis (Lathyrophthalmus) seyrigi*. Keiser 1971: 274  
(descr. notes (male), distribution).  
*Eristalinus seyrigi*. Smith & Vockeroth 1980: 502 (catalog  
citation); Whittington 2004: 591 (citation, fauna  
assessment).  
*Lathyrophthalmus seyrigi*. Dirickx 1998: 70 (catalog  
citation).

**tabanoides**.--(AF: AF) Eritrea, Djibouti

*Eristalis tabanoides* Jaennicke, 1867: 402. Type-locality:  
Eritrea (T ♀ SMF). Kertész 1910: 237 (catalog  
citation); Becker 1923: 67 ( ); Keiser 1971: 275 ( ).  
*Lathyrophthalmus tabanoides*. Bezzi 1915: 84 ( ); Curran  
1939: 5 ( ).  
*Lathyrophthalmus quinquelineatus tabanoides*. Szilády 92 ( ).  
*Eristalinus tabanoides*. Smith & Vockeroth 1980: 502 (catalog  
citation); Whittington 2004: 591 (citation, fauna  
assessment);  
*Eristalis punctifer* Walker, 1871: 274. Type-locality:  
Djibouti (T A BMNH). Syn. Smith & Vockeroth 1980: 502.

**trizonatus**.--(AF: AF) Zaire, Ghana, Guinea-bissau, Zaire

*Eristalis trizonatus* Bigot, 1858: 364. Type-locality: Gabon  
(HT ♀ ). Kertész 1910: 242 (catalog citation); Bezzi  
1912: 430 ( ); Séeguy 1931: 118 ( ).  
*Lathyrophthalmus trizonatus*. Hervé-Bazin 1914: 294 ( );  
Bezzi 1915: 84 ( ); Curran 1927: 72 ( ), 1939: 5 ( );  
Dirickx 1998: 71 (catalog citation);  
*Eristalinus trizonatus*. Smith & Vockeroth 1980: 503 (catalog  
citation); Whittington 2004: 591 (citation, fauna  
assessment);

**vicarians**.--(AF: AF) Zaire

*Lathyrophthalmus vicarians* Bezzi, 1915: 86. Type-locality:  
Nigeria (T A BMNH). Curran 1939: 5 ( ); Dirickx 1998:  
71 (catalog citation);  
*Eristalinus vicarians*. Smith & Vockeroth 1980: 503 (catalog  
citation); Whittington 2004: 591 (citation, fauna  
assessment);

**virescens**.--(AF: AF) Ethiopia

*Lathyrophthalmus virescens* Szilady, 1942: 95. Type-locality:  
Ethiopia. Dila (T A MNM). Dirickx 1998: 72 (catalog  
citation);  
*Eristalinus virescens*. Smith & Vockeroth 1980: 503 (catalog

citation); Whittington 2004: 591 (catalog citation);  
***viridistriatus***.--(AF: AF) ?East Africa

*Lathyrophthalmus viridistriatus* Szilady, 1942: 96. Type-locality: No locality given. ????East Africa (T A MNM). Dirickx 1998: 72 (catalog citation);

*Eristalinus viridistriatus*. #SV503 (catalog citation); Whittington 2004: 591 (citation, fauna assessment);

***viridulus***.--(AF: AF) South Africa

*Eristalis viridulus* Macquart, 1842: 104. Type-locality: South Africa (T ♀ ). Kertész 1910: 243 (catalog citation); Dirickx 1998: 33 (catalog citation);

*Eristalinus viridulus*. Smith & Vockeroth 1980: 503 (catalog citation); Whittington 2004: 591 (citation, fauna assessment);

***xanthopus***.--(AF: AF) Ghana

*Lathyrophthalmus xanthopus* Bezzi, 1915: 85. Type-locality: Ghana. Obusai (HT ♀ BMNH). Dirickx 1998: 72 (catalog citation);

*Eristalinus xanthopus*. Smith & Vockeroth 1980: 503 (catalog citation); Whittington 2004: 591 (citation, fauna assessment);

#### **group *Merodonoides* Curran**

*Merodonoides* Curran 1931: 333. Type-species, *circularis* Curran (original designation) = *multifarius* Walker.

*Velocimyia* Hull 1937: 13. Type-species, *velox* Hull (original designation) = *abdominalis* Hervé-Bazin.

***abdominalis***.--(AF: AF) Madagascar.

*Lathyrophthalmus abdominalis* Hervé-Bazin 1914: 106 (habitus male\*, head\*, abdomen female\*, metaleg\*). Type-locality: Madagascar, Tananarive (ST 4 M, 2 F MNHNP).

*Eristalis (Velocimyia) abdominalis*. Keiser 1971: 276 (descr. notes, distribution).

*Eristalinus abdominalis*. Smith & Vockeroth 1980: 501 (catalog citation); Whittington 2004: 591 (citation, fauna assessment).

*Lathyrophthalmus abdominalis*. Dirickx 1998: 62 (catalog citation).

*Velocimyia velox* Hull 1937: 14 (abdomen\*, metaleg\*, wing\*). Type-locality: Madagascar, Mandritarsara (LT M MCZ here designated). Syn. Keiser 1971: 276.

MCZ syntype => designate as lectotype [type number 2270]; 2 ST splitted between Hull (CNC) and ZMHU were from Antananarivo.

**gymnops**.--(AF: AF) Kenya

*Lathyrophthalmus gymnops* Bezzı, 1915: 81. Type-locality: Kenya. Mt. Kirinyaga (T A BMNH). Szilády 1942: 92 ( ); Dirickx 1998: 66 (catalog citation);  
*Eristalinus gymnops*. Smith & Vockeroth 1980: 502 (catalog citation); Whittington 2004: 591 (citation, fauna assessment);

**modestus**.--(AF: AF) South Africa

*Helophilus modestus* Wiedemann, 1818: 43. Type-locality: South Africa (T A ).  
*Tubifera modesta*. Kertész 1910: 257 (catalog citation);  
*Lathyrophthalmus modestus*. Bezzı 1915: 80 ( ), 1920: 142 ( ); Hull 1964: 456 ( ); Dirickx 1998: 68 (catalog citation);  
*Eristalinus modestus*. Smith & Vockeroth 1980: 502 (catalog citation); Whittington 2004: 591 (citation, fauna assessment);  
*Eristalis analis* Macquart, 1842: 96. Type-locality: South Africa (T ). Adams 1905: 164 ( ); Kertész 1910: 211 (catalog citation); Syn. Bezzı 1920: 142.

**myiatropinus**.--(AF: AF) Ethiopia, Kenya, South Africa, Zaire

*Eristalis myiatropinus* Speiser, 1910: 125. Type-locality: Tanzania (T ).  
*Lathyrophthalmus myiatropinus*. Hervé-Bazin 1914: 294 ( ); Bezzı 1915: 81 ( ), 1920: 142 ( ); Curran 1927: 5 ( ); Szilády 1942: 92 ( ); Dirickx 1998: 68 (catalog citation);  
*Eristalinus myiatropinus*. Smith & Vockeroth 1980: 502 (catalog citation); Whittington 2004: 591 (citation, fauna assessment);

??? unplaced *Eristalinus* ????

**sexvittatus**.--(AF: AF) Madagascar.

*Eristalis sexvittatus* Bigot 1859: 434 (color habitus\*). Type-locality: Madagascar (HT F BMNH). Kertész 1910: 236 (catalog citation); Hervé-Bazin 1914: 106 (diff. *madagascariensis*); Dirickx 1998: 32 (catalog citation).  
*Eristalis (Lathyrophthalmus) sexvittatus*. Bezzı 1908a: 16 (Madagascar).  
*Eristalinus sexvittatus*. Smith & Vockeroth 1980: 502 (catalog citation); Whittington 2004: 591 (citation, fauna assessment).

Hervé-Bazin (1914: 106) wrote "Ce n'est sans doute pas un *Lathyrophthalmus*, car l'auteur dit que les yeux sont nus et ne

dit pas qu'ils soient tachetés." I suspect that *sexvittatus* is the senior synonym for *madagascariensis* and Hervé-Bazin was misled by Bigot's description and figure.

### **Genus *Eristalis* Latreille**

*Tubifera* Meigen 1800: 34. Type-species, *Musca tenax* Linnaeus (subsequent designation of Coquillet 1910: 618). Suppressed by ICZN 1963: 339. Proposed without included species, first species included by Hendel, 1908: 62.

*Elophilus* Meigen 1803: 274. Type-species, *Musca tenax* Linnaeus (subsequent designation of Latreille 1810: 443).

*Eristalis* Latreille 1804: 194. Type-species, *Musca tenax* Linnaeus (subsequent designation of Curtis 1832: 432).

*Eristalooides* Rondani 1845: 453. Type-species, *Musca tenax* Linnaeus (subsequent designation of Coquillet 1910: 540).

*Eristalomyia* Rondani 1857: 40. Type-species, *Musca tenax* Linnaeus (original designation).

*Eriops* Lioy 1864: 743. Type-species, *Musca tenax* Linnaeus (subsequent designation of Goffe 1946: 29). Preocc. Klug, 1808.

*Eristalomyia* Scudder 1882: 127. Emendation of *Eristalomyia* Rondani.

### **Subgenus *Eoseristalis* Kanvero**

**apis**.--(AF: AF) Zaire

*Eristalis apis* Curran, 1939: 3. Type-locality: Zaire (HT A AMNH). Smith & Vockeroth 1980: 503 (catalog citation); Dirickx 1998: 31 (catalog citation); Whittington 2004: 591 (citation, fauna assessment);

**convexifacies**.--(AF: AF) Cape Verde Is.

*Eristalis convexifacies* Macquart, 1850: 438. Type-locality: Cape Verde Is. (HT A BMNH). Whittington 2004: 591 (citation, fauna assessment);

???? check placement

**notata**.--(AF: AF) Cap de Bonne-Esperance

*Eristalomyia notata* Bigot, 1885: 249. Type-locality: South Africa. Cape: Cape of Good Hope [as "Cap de Bonne-Esperance"] (T F UMO (Bigot)).

*Eristalis notata*. Whittington 2004: 591 (citation, fauna assessment);

???? check placement

***pallidibasis***.--(AF: AF) Ivory Coast

*Simoides pallidibasis* Bigot, 1891: 374. Type-locality: Ivory Coast (HT ♀ BMNH).  
*Eristalis pallidibasis*. Kertész 1910: 229 (catalog citation); Smith & Vockeroth 1980: 503 (catalog citation); Dirickx 1998: 32 (catalog citation); Whittington 2004: 591 (citation, fauna assessment); *pallidibasis* of Curran 1927, see *Mallota extrema*.

***plumipes***.--(AF: AF) Zaire

*Eristalis plumipes* Bezz, 1912: 433. Type-locality: Fernando Poo & Guinea-bissau (T ♀ ). Curran 1939: 3 ( ); Smith & Vockeroth 1980: 503 (catalog citation); Dirickx 1998: 32 (catalog citation); Whittington 2004: 591 (citation, fauna assessment);  
*Senaspis plumipes*. Curran 1927: 67 ( ).

***trichopus***.--(AF: AF) Ivory Coast

*Simoides trichopus* Bigot, 1891: 373. Type-locality: Ivory Coast (T ♂ ).  
*Eristalis trichopus*. Kertész 1910: 242 (catalog citation); Smith & Vockeroth 1980: 503 (catalog citation); Dirickx 1998: 33 (catalog citation); Whittington 2004: 591

**Subgenus *Eristalis* Latreille*****tenax***.--(AF: AF) Madagascar, Réunion; widespread Palearctic region, introduced into Nearctic, southern Neotropical, New Zealand, South Africa, ????

*Musca tenax* Linnaeus 1758: 591. Type-locality: Sweden [restricted Thompson et al. 1982: 160] (LT F LSL design. Thompson et al. 1982: 160). Thompson et al. 1982: 160 (notes on type).

*Syrphus tenax*. Fabricius 1775: 765 (syn., diagnosis).

*Eristalis tenax*. Latreille 1805: 364 (syn., diagnosis); Fabricius 1805: 238 (syn., diagnosis, distribution); Macquart 1842: 30 [90] (Madagascar, Réunion); Bezz 1908a: 17 (Madagascar, Réunion), 1915: 93 ( ), 1921: 7 ( ); Kertész 1910: 238 (catalog citation); Curran & Bryan 1926: 82 ( ); Curran 1939: 3 ( ); Hull 1964: 456 ( ); Smith & Vockeroth 1980: 503 (catalog citation); Claussen & Barkemeyer 1987: ??? (Cape Verde Is.); Thompson 1997: 214 (descr., habitus of adult\* & larva\*); Dirickx 1998: 32 (catalog citation); ; Kassebeer 2000a: 55 (Réunion); Barkemeyer 2002: 16 (Cape Verde Is.); Whittington 2004: 591 (citation, fauna assessment); .

*Eristalomyia tenax*. Doesburg 1976: 70 ( ).

### **Genus *Meromacroides* Curran**

*Meromacroides* Curran 1927: 69. Type-species, *Eristalis meromacriformis* Bezzi (original designation).

***meromacriformis*.**--(AF: AF) South Africa, Zaire, Uganda  
*Eristalis meromacriformis* Bezzi, 1915: 93. Type-locality:  
 South Africa (HT ♂ BMNH).  
*Meromacroides meromacriformis*. Curran 1927: 69 (Zaire ????)  
 ); Smith & Vockeroth 1980: 503 (catalog citation);  
 Dirickx 1998: 83 (catalog citation); Whittington 2004:  
 596 (citation, fauna assessment);

### **Genus *Phytomia* Guérin-Méneville**

*Pachycephalus* Wiedemann 1830: 152. Type-species, *Eristalis chrysopygus* Wiedemann (subsequent designation of Knutson, Thompson & Vockeroth 1975: 356). Preocc. Stephens 1826.  
 Published in synonymy, not subsequently validated by usage.  
*Phytomia* Guerin-Meneville 1833: 509. Type-species, *Eristalis chrysopygus* Wiedemann (monotypy).

*Megaspis* Macquart 1842: 87. Type-species, *Eristalis chrysopygus* Wiedemann (original designation).  
*Phytomyia* Scudder 1882: 263. Emendation.  
*Phytomyia* Kertész 1910: 244. Emendation.  
*Streblia* Enderlein 1938: 237. Type-speices, *Eristalis natalensis* Macquart (original designation). Preocc. Pomel, 1872.

References: Bezzi 1912: 423 (key as *Megaspis*), 1915: 65 (key);  
 Curran 1927: 76 (key).

***aurigera*.**--(AF: AF) Uganda, Tanzania, Zaire  
*Phytomia aurigera* Bezzi, 1915: 68. Type-locality: Uganda (T ♂ BMNH). Curran 1927: 78 ( ); Smith & Vockeroth 1980: 504 (catalog citation); Dirickx 1998: 109 (catalog citation); Whittington 2004: 600 (citation, fauna assessment);  
*Dolichomerus aurigera*. Curran 1927: 363 ( ), 1939: 8 ( ).

***bezzii*.**--(AF: AF) Zaire

*Phytomia bezzii* Curran, 1927: 78. Type-locality: Zaire (HT A AMNH). Smith & Vockeroth 1980: 505 (catalog citation); Dirickx 1998: 109 (catalog citation); Whittington 2004: 600 (citation, fauna assessment);

***bullata*.**--(AF: AF) Kenya, Tanzania, Zaire

*Megaspis bullata* Loew, 1858: 381. Type-locality: South

*Africa* [as "Caffreria"] (T NRS). Austen 1909: 93  
 (diff. *bulligera*); Kertész 1910: 244 (catalog  
 citation); Bezzi 1912: 423 ( ).

*Eristalis bullatus*. Loew 1860: 391 ( ); Speiser 1910: 124  
 ( ).

*Dolichomerus bullatus*. Curran 1927: 363 ( ), 1939: 8 ( ).

*Phytomia bullata*. Bezzi 1915: 67 ( ); Curran 1927: 78 ( );  
 Smith & Vockeroth 1980: 505 (catalog citation);  
 Dirickx 1998: 110 (catalog citation); Whittington 2004:  
 600 (citation, fauna assessment); .

***bulligera***--(AF: AF) Ghana, Kenya, Sierra Leone, Zaire

*Megaspis bulligera* Austen, 1909: 91, pl. III, fig. 8 (color  
 habitus\*). Type-locality: Uganda (ST ♂ ♀ BMNH).

*Eristalis bulligera*. Speiser 1910: 124 ( ).

*Phytomia bulligera*. Bezzi 1915: 71 ( ), 1920: 141 ( );  
 Curran 1927: 78 ( ), 1939: 9 ( ); Szilády 1942: 92  
 ( ); Smith & Vockeroth 1980: 505 (catalog citation);  
 Dirickx 1998: 110 (catalog citation); Whittington 2004:  
 600 (citation, fauna assessment); .

*Eristalis trichopus*: Austen 1909: 93 (nomen nudum attributed  
 to Bigot)

***ephippium***--(AF: AF) Kenya

*Megaspis ephippium* Bezzi, 1912: 424. Type-locality: Kenya  
 (HT A BMNH).

*Phytomia ephippium*. Bezzi 1915: 75 ( ); Smith & Vockeroth  
 1980: 505 (catalog citation); Dirickx 1998: 110  
 (catalog citation); Whittington 2004: 600 (citation,  
 fauna assessment); .

***erratica***--(AF: AF) Kenya, South Africa, Tanzania, Zaire

*Megaspis erratica* Bezzi 1912: 424. Type-locality: Guinea-  
 Bissau, "Bolama" & Madagascar, Betsileo & Malawi, Zomba  
 [as "Nyasaland"] (ST 1 M 1F BMNH, 3 M MCSN Genova).  
 Hervé-Bazin 1914: 104 (Madagascar); Séguy 1931: 118 ( );  
 Keiser 1971: 269 (notes, Madagascar).

*Phytomia erratica*. Bezzi 1915: 104 (key ref., diagnosis,  
 types); Curran 1927: 77 ( ), 1939: 9 ( ); Hull  
 1941: 329 (Madagascar); Szilády 1942: 92 ( ); Smith &  
 Vockeroth 1980: 505 (catalog citation); Dirickx 1998:  
 111 (catalog citation); Whittington 2004: 600  
 (citation, fauna assessment).

In the original publication, Bezzi mentions 3 males from "Bolama" in "Guinea portoghese" and then a male from "Nyasa" and a female from Madagascar which are in the British Museum. Details on these BMNH syntypes is found in his 1915 work.

**fronto**.--(AF: AF) Kenya, Tanzania, Zaire

*Megaspis fronto* Loew, 1858: 381. Type-locality: South Africa (T NRS). Kertész 1910: 245 (catalog citation); Bezzi 1912: 424 ( ); Hervé-Bazin 1914: 481 ( ); Becker 1922: 814 (Uganda, placement, descr. note); Doesburg 1955: 354 ( ), 1960: 436 ( ).

*Eristalis fronto*. Loew 1860: 393 ( ).

*Phytomia fronto*. Bezzi 1915: 74 ( ), 1920: 141 ( ); Curran 1927: 77 ( ), 1939: 9 ( ); Szilády 1942: 92 ( ); Smith & Vockeroth 1980: 505 (catalog citation); Dirickx 1998: 111 (catalog citation); Whittington 2004: 600 (citation, fauna assessment); .

*Phytomia fronto* var. *melas* Bezzi, 1915: 75. Type-locality: Kenya (T A BMNH). Szilády 1942: 92 ( ); Smith & Vockeroth 1980: 505 (catalog citation);

**fucoides**.--(AF: AF) Uganda

*Phytomia fucoides* Bezzi, 1915: 74. Type-locality: Uganda (T ♀ BMNH). Smith & Vockeroth 1980: 505 (catalog citation); Dirickx 1998: 111 (catalog citation); Whittington 2004: 600 (citation, fauna assessment);

**fusca**.--(AF: AF) Madagascar

*Phytomia fusca* Hull 1941: 329. Type-locality: Madagascar, Tananarive, Oriental Forest, vicinity of Moramanga (HT F ANSP). Smith & Vockeroth 1980: 505 (catalog citation); Dirickx 1998: 111 (catalog citation); Whittington 2004: 600 (citation, fauna assessment)

*Megaspis fusca*. Keiser 1971: 270 (descr. notes, Madagascar).

**incisa**.--(AF: AF) Madagascar, Sierra Leone, Zaire. South Africa

*Eristalis incisus* Wiedemann 1830: 155. Type-locality: South Africa [as "Kap"] (ST F ZMHU, NMW).

*Megaspis incisa*. Kertész 1910: 245 (catalog citation); Bezzi 1912: 424 (key ref.); Hervé-Bazin 1914: 103 (Madagascar); Keiser 1971: 112 (descr. notes, Madagascar).

*Phytomia incisa*. Bezzi 1915: 67, 76 (key ref., diagnosis, distribution); Hull 1941: 329 (Madagascar); Smith & Vockeroth 1980: 505 (catalog citation); De Meyer et al. 1990: 570 (Comoros); Dirickx 1998: 112 (catalog citation); Whittington 2004: 600 (citation, fauna assessment).

*Eristalis assimilis* Walker, 1849: 611. Type-locality: Sierra Leone (T A BMNH).

*Megaspis capito* Loew, 1858: 381. Type-locality: South Africa (T NRS).

**kroeberi**.--(AF: AF) Zaire

*Megaspis kroeberi* Bezzi, 1912: 423. Type-locality: Tanzania

- (HT A BMNH).
- Phytomia kroeberi*. Bezzi 1915: 69 ( ); Curran 1927: 78 ( ); Séguay 1952: 157 ( ); Smith & Vockeroth 1980: 505 (catalog citation); Dirickx 1998: 112 (catalog citation); Whittington 2004: 600 (citation, fauna assessment);
- Dolichomerus kroeberi*. Curran 1927: 364 ( ).
- Dolichomerus kroeberi* var. *abdominalis* Curran, 1927: 364. Type-locality: Zaire (HT ♀ AMNH). Curran 1939: 8 ( ).
- Phytomia kroeberi* var. *abdominalis*. Smith & Vockeroth 1980: 505 (catalog citation);
- natalensis***--(AF: AF) Guinea-bissau, Tanzania, Uganda, Zaire
- Eristalis natalensis* Macquart, 1850: 438. Type-locality: South Africa (T ). Loew 1860: 392 ( ); Becker 1910: 141 ( ); Speiser 1910: 124 ( ); Séguay 1931: 118 ( )
- Megaspis natalensis*. Loew 1858: 381 ( ); Röder 1903: 3 ( ); Kertész 1910: 245 (catalog citation); Bezzi 1912: 426 ( ); Hervé-Bazin 1914: 291 ( ); Doesburg 1954: 3 ( ).
- Phytomia natalensis*. Bezzi 1915: 73 ( ); Curran 1927: 80 ( ), 1939: 9 ( ); Smith & Vockeroth 1980: 505 (catalog citation); Dirickx 1998: 113 (catalog citation); Whittington 2004: 600 (citation, fauna assessment);
- Phytomia cf. natalensis*. Gomes 1981: 53 ( ).
- Megaspis curta* Loew, 1858: 381. Type-locality: South Africa (T NRS). Bezzi 1901: 61 ( ); Brunetti 1926: 166 ( ); Séguay 1939: 133 ( ). Syn. Röder 1903: 3.
- Megaspis curtus*. Becker 1922: 814 (Uganda).
- Eristalis curtus*. Loew 1860: 391 ( ); Ricardo 1901: 106 ( ); Adams 1905: 164 ( ).
- Phytomia curta*. Bezzi 1915: 73 ( ), 1920: 141 ( ), Bezzi 1923: 347 ( ); Curran & Bryan 1926: 82 ( ); Curran 1927: 79 ( ); Szilády 1942: 92 ( ).
- Megaspis natalensis* var. *curta*. Karsch 1887: 99 ( ); Bezzi 1912: 426 ( ).
- Eristalis natalensis* var. *curta*. Speiser 1910: 124 ( ).
- Megaspis natalensis* var. *rufifacies* Doesburg, 1955: 3. Type-locality: Zaire (T ).
- Phytomia natalensis* var. *rufifacies*. Smith & Vockeroth 1980: 505 (catalog citation);
- Megaspis natalensis* var. *varipes* Doesburg, 1955: 3. Type-locality: Zaire (T ).
- Phytomia natalensis* var. *vaipes*. Smith & Vockeroth 1980: 505 (catalog citation);

***neavei*.--(AF: AF) Uganda**

*Phytomia neavei* Bezz, 1915: 70. Type-locality: Uganda (T A BMNH). Smith & Vockeroth 1980: 505 (catalog citation); Dirickx 1998: 114 (catalog citation); Whittington 2004: 600 (citation, fauna assessment);  
*Dolichomerus neavei*. Curran 1927: 364 ( ).

***noctilio*.--(AF: AF) Zaire**

*Eristalis noctilio* Speiser, 1924: 46. Type-locality: Zaire (T ).  
*Phytomia noctilio*. Smith & Vockeroth 1980: 505 (catalog citation); Dirickx 1998: 114 (catalog citation); Whittington 2004: 600 (citation, fauna assessment);

***poensis*.--(AF: AF) Fernando Poo**

*Megaspis poensis* Bezz, 1912: 427. Type-locality: Equatorial Guniea. Fernando Poo [iles de Bioko] (T ♀ ).  
*Phytomia poensis*. Smith & Vockeroth 1980: 505 (catalog citation); Dirickx 1998: 114 (catalog citation); Whittington 2004: 600 (citation, fauna assessment);

***pubipennis*.--(AF: AF) Uganda, Ghana, Liberia, Zaire.**

*Megaspis pubipennis*. Hervé-Bazin 1914: 292 (nomen nudum ????).  
*Phytomia pubipennis* Bezz, 1915: 71. Type-locality: Uganda (T ♀ BMNH). Curran 1927: 78 ( ), 1939: 9 ( ); Szilády 1942: 92 ( ); Smith & Vockeroth 1980: 505 (catalog citation); Dirickx 1998: 114 (catalog citation); Whittington 2004: 600 (citation, fauna assessment);

***serena*.--(AF: AF) Zaire**

*Dolichomerus serena* Curran, 1927: 363. Type-locality: Zaire. Moma (HT ♀ BMNH).  
*Phytomia serena*. Smith & Vockeroth 1980: 505 (catalog citation); Dirickx 1998: 115 (catalog citation); Whittington 2004: 600 (citation, fauna assessment);

***varians*.--(AF: AF) Zaire**

*Phytomia varians* Curran, 1927: 361. Type-locality: Zaire (HT BMNH). Smith & Vockeroth 1980: 505 (catalog citation); Dirickx 1998: 115 (catalog citation); Whittington 2004: 600 (citation, fauna assessment);

### **Genus *Senaspis* Macquart**

*Senaspis* Macquart 1850: 437. Type-species, *flaviceps* Macquart (original designation).

*Stenaspis* Kertész 1910: 207. Emendation. Preocc. Serville 1834.

*Protylocera* Bezz 1912: 415. Unjustified new name for *Senaspis* Macquart.

*Triatylosus* Hull 1949: 398. Type-species, *Xylota dibaphus* Walker (original designation). Proposed as a subgenus.

References: Bezzi 1912: 415 (includes more species), 1915: 61 (keys as *Protylocera*); Curran 1927: 66 (key),

In his 1912 key Bezzi included *cuprea* & *flaviceps*, but these species aren't in the 1915 key nor are they mentioned. TRANSLATE 1912 key.

***cuprea*.**--(AF: AF) Mauritius, Madagascar.

*Eristalis cuprea* ???? Macquart 1842: 105 [45]. Type-locality: Mauritius (T ♂ MNHN, Paris). Bigot 1859: 433 (color habitus\*, descr., Madagascar); Dirickx 1998: 31 (catalog citation).

*Eristalis (Megaspis) cupreus*. Bezzi 1908a: 15 (Mauritius, Madagascar); Orian 1962: 13 (Mauritius).

*Megaspis cuprea*. Kertész 1910: 245 (catalog citation)

*Protylocera cuprea*. Bezzi 1912: 416 (key ref.).

*Eristalinus cuprea*. Smith & Vockeroth 1980: 501 (catalog citation).

*Senaspis cuprea*. Smith & Vockeroth 1980: 505 (catalog citation); Whittington 2004: 601 (citation, fauna assessment).

***dentipes*.**--(OR: OR AF) Cameroun, Zaire, Gabon, Ghana, Zaire

*Eristalis dentipes* Macquart, 1842: 97. Type-locality: Indonesia. Java (T ).

*Senaspis dentipes*. Smith & Vockeroth 1980: 505 (catalog citation); Dirickx 1998: 121 (catalog citation); Whittington 2004: 601 (citation, fauna assessment);

*Helophilus aesacus* Walker, 1849: 609. Type-locality: Sierra Leone (T ♂ BMNH). Syn. Smith & Vockeroth 1980: 505.

*Eristalis aesacus*. Speiser 1910: 122 ( ).

*Stenaspis aesacus*. Kertész 1910: 207 (catalog citation);

*Protylocera aesacus*. Bezzi 1912: 421 ( ), 1915: 62 ( ), 1920: 140 ( ), 1923: 346 ( ); Speiser 1913: 120 ( ), 1915: 95 ( ); Hervé-Bazin 1914: 290 ( ); Curran & Bryan 1926: 82 ( ).

*Senaspis aesacus*. Austen 1909: 90, pl. III, fig. 6 (color habitus\*, Ruwenzori); Curran 1927: 68 ( ), 1939: 2 ( ); Doesburg 1955: 353 ( ).

*Plagiocera maculipennis* Loew, 1858: 381. Type-locality: Guinea (T ). Loew 1860: 389 ( ); Austen 1904: 466 ( ); Becker 1922: 814 (Uganda, syn. tax. note). Syn. Kertész 1910: 207.

*Eristalis latevittatus* Bigot, 1858: 365. Type-locality:

Gabon (T ♀). Austen 1909: 90 (suggested = *aesacus*).  
Syn. Kertész 1910: 207.

*Plagiocera latevitta*. Karsch 1887: 98 ( ).

**dibapha**--(AF: AF) Cameroun, Fernando Poo, Gabon, Ghana

*Xylota dibaphus* Walker, 1849: 560. Type-locality: Unknown (T A BMNH).

*Eristalis nigripennis* Macquart, 1855: 108. Type-locality:  
Colombia [error!] (T M UMO).

*Eristalomyia rufonasuta* Bigot, 1891: 375. Type-locality:  
Ivory Coast (T ).

*Eristalis gypseisquama* Speiser, 1910: 123. Type-locality:  
Tanzania & Uganda (T ).

*Eristalis gypseisquama sulfurata* Speiser, 1911: 240. Type-locality: Cameroun & Sierra Leone & Zaire (ST ).

**elliottii**--(AF: AF) Ethiopia, Kenya, Tanzania, Zaire

*Senaspis elliottii* Austen, 1909: 90, pl. III, fig. 7 (color  
habitus\*). Type-locality: Uganda. Ruwenzori, 7000-8000  
ft. & between Salt Lake and Wawamba (ST ♂ ♀ BMNH).

*Eristalis claricella* Speiser, 1910: 123. Type-locality:  
Tanzania (T ).

**flaviceps**--(AF: AF) South Africa, Madagascar

*Senaspis flaviceps* Macquart 1850: 438 [134] (habitus\*,  
metaleg\*). Type-locality: South Africa, Cape of Good  
Hope [as "Cap ?"] (T M MNHN, Paris). Austen 1909: 91  
(citation); Smith & Vockeroth 1980: 506 (catalog  
citation); Dirickx 1998: 123 (catalog citation);  
Whittington 2004: 601 (citation, fauna assessment).

*Stenaspis flaviceps*. Kertész 1910: 207 (catalog citation).

*Protylocera flaviceps*. Bezzi 1912: 416 (key ref.); Hervé-Bazin  
1914: 103 (Madagascar), 1914: 291 ( ).

**griseifacies**--(AF: AF) Zaire, Guine-Bissau, Principe, Sao Tome

*Dolichomerus griseifacies* Bezzi, 1908: 381. Type-locality:  
Zaire (T ).

*Protylocera griseifacies*. Bezzi 1912: 419 ( ); Hervé-Bazin  
1914: 290 ( ), 1914: 481 ( ).

*Senaspis griseifacies*. Smith & Vockeroth 1980: 506 (catalog  
citation); Dirickx 1998: 123 (catalog citation);  
Whittington 2004: 601 (citation, fauna assessment);

**haemorrhoa**--(AF: AF) Comoros, Madagascar; Mozambique, Rhodesia,  
Zaire

*Plagiocera haemorrhoa* Gerstaecker 1871: 363. Type-locality:  
Tanzania (T A ???? ). Gerstaecker 1873: 391 ( );  
Ricardo 1901: 106 ( ).

*Stenaspis haemorrhoa*. Kertész 1910: 207 (catalog citation).

*Protylocera haemorrhoa*. Bezzi 1912: 416 (key ref.), 1915: 63  
(key ref., diagn., distribution), 1923: 345 ( );

Brunetti 1926: 166 ( ); Séguay 1931: 119 ( ).  
*Senaspis haemorrhoa*. Austen 1909: 91 (citation); Curran  
1927: 67 (key ref., Zaire), 1939: 2 ( ); Szilády  
1942: 92 ( ); Doesburg 1955: 353 ( ), 1960: 436 ( );  
Keiser 1971: 268 (descr. notes, Comoros); Smith &  
Vockeroth 1980: 506 (catalog citation); Gomes 1981: 53  
( ); De Meyer et al. 1990: 570 (Comoros); De Meyer &  
Maragia 1993: 3 ( ); Dirickx 1998: 124 (catalog  
citation); Whittington 2004: 601 (citation, fauna  
assessment).

***livida***--(AF: AF) Fernando Poo

*Protylocera aesacus* var. *livida* Bezzi, 1912: 421. Type-  
locality: Equatorial Guniea. Fernando Poo (T ).

*Senaspis livida*. Smith & Vockeroth 1980: 506 (catalog  
citation); Dirickx 1998: 124 (catalog citation);  
Whittington 2004: 601 (citation, fauna assessment);

***melanthysana***--(AF: AF) Cameroun

*Protylocera melanthysana* Speiser, 1913: 122. Type-locality:  
Cameroun.

*Senaspis melanthysana*. Curran 1939: 2 ( ); Smith &  
Vockeroth 1980: 506 (catalog citation); Dirickx 1998:  
124 (catalog citation); Whittington 2004: 601  
(citation, fauna assessment);

***nigrita***--(AF: AF) Madagascar; Tanzania, Uganda

*Dolichomerus nigritus* Bigot 1859: 431 (color habitus\*).  
Type-locality: Madagascar (T F BMNH). Karsch 1888: 381  
( ).

*Plagiocera nigrita*. Röder 1903: 3 ( ???? ).

*Eristalis (Dolichomerus) nigritus*. Bezzi 1908a: 15  
(Madagascar)

*Stenaspis nigrita*. Kertész 1910: 207 (catalog citation).

*Protylocera nigrita*. Bezzi 1912: 416 (key ref.), 1915: 63  
(key ref., Madagascar), 1920: 141 ( ); Hervé-Bazin  
1914: 103 (Madagascar); Hull 1941: 330 (Madagascar).

*Senaspis nigrita*. Austen 1909: 91 (citation); Curran 1939b:  
2 (key ref., Madagascar); Doesburg 1957: 108  
(Madagascar); Keiser 1971: 269 (descr. notes,  
Madagascar); Smith & Vockeroth 1980: 506 (catalog  
citation); Dirickx 1998: 125 (catalog citation);  
Whittington 2004: 601 (citation, fauna assessment).

***pennata***--(AF: AF) Zaire

*Protylocera pennata* Herve-Bazin, 1914: 288. Type-locality:  
Zaire (T ♀ MNHNP).

*Senaspis pennata*. Smith & Vockeroth 1980: 506 (catalog  
citation); Dirickx 1998: 125 (catalog citation);  
Whittington 2004: 601 (citation, fauna assessment);

***umbrifera***.--(AF: AF) Sierra Leone

*Merodon umbrifera* Walker, 1849: 601. Type-locality: Sierra Leone (T ♂ BMNH).

*Protylocera umbrifera*. Bezzi 1912: 421 ( ).

*Stenaspis umbrifera*. Kertész 1910: 208 (catalog citation);

*Senaspis umbrifera*. Austen 1909: 91 (citation); Smith & Vockeroth 1980: 506 (catalog citation); Dirickx 1998: 125 (catalog citation); Whittington 2004: 601 (citation, fauna assessment);

***xanthorrhoea***.--(AF: AF) Kenya

*Protylocera xanthorrhoea* Bezzi, 1912: 416. Type-locality: Kenya (HT ♀ BMNH). Bezzi 1915: 62 ( ).

*Senaspis xanthorrhoea*. Smith & Vockeroth 1980: 506 (catalog citation); Dirickx 1998: 125 (catalog citation);

Whittington 2004: 601 (citation, fauna assessment);

### **Genus *Simoides* Loew**

*Simoides* Loew, 1858: 382. Type-species, *Eristalis crassipes* Fabricius (subsequent designation of Hull (1949: 399)).

***crassipes***.--(AF: AF) South Africa

*Eristalis crassipes* Fabricius, 1805: 237. Type-locality: South Africa. Western Cape [as "Cap. bon. spei."] (T A UZMC). Macquart 1842: 31 ( ); Loew 1860: 394 ( ), 1862: 16 ( ); Ricardo 1901: 106 ( ); Bezzi 1908: 32 ( ), 1908: 183 ( ); Kertész 1910: 216 (catalog citation); Speiser 1910: 125 ( ), 1913: 143 ( ).

*Helophilus crassipes*. Walker 1849: 609 ( ).

*Simoides crassipes*. Verrall 1898: 416 ( ); Kertész 1910: 216 (catalog citation); Speiser 1913: 123 ( ); Bezzi 1915: 76 ( ), 1920: 142 ( ); Brunetti 1926: 166 ( ); Szilády 1942: 92 ( ).

*Eristalis pachymerus* Wiedemann, 1819: 17. Type-locality: South Africa (T ). Syn. Loew 1858: 382

*Simoides pachymera*. Curran 1927: 69 ( ), 1939: 10 ( ); Doesburg 1955: 354 ( ); Hull 1964: 454 ( ); Smith & Vockeroth 1980: 506 (catalog citation); Dirickx 1998: 126 (catalog citation); Whittington 2004: 601 (citation, fauna assessment);

***descendens***.--(AF: AF) Kenya

*Simoides descendens* Becker, 1909: 117. Type-locality: Kenya. Escarpment (HT ♀ MNHNP). Becker 1922: 815 (descr., Kenya, diff. *curvipes* Schiner); Smith & Vockeroth 1980: 506 (catalog citation); Dirickx 1998: 126 (catalog citation); Whittington 2004: 601 (citation, fauna

assessment);

**expletus**.--(AF: AF) Sudan

*Eristalis expletus* Loew, 1858: 382. Type-locality: Sudan (T ♂ NRS).

*Simoides expletus*. Smith & Vockeroth 1980: 506 (catalog citation); Dirickx 1998: 127 (catalog citation); Whittington 2004: 601 (citation, fauna assessment);

**flavipila**.--(AF: AF) South Africa

*Simoides villipes flavipila* Hull, 1964: 454. Type-locality: South Africa. Cap, Klienmond (HT ♂ ZIL).

*Simoides flavipila*. Smith & Vockeroth 1980: 506 (catalog citation); Dirickx 1998: 127 (catalog citation); Whittington 2004: 601 (citation, fauna assessment);

**notatus**.--(AF: AF) South Africa

*Eristalomyia notata* Bigot, 1885: 249. Type-locality: South Africa. Cape of Good Hope (HT ♀ ).

*Eristalis notata*. Kertész 1910: 227 (catalog citation);

*Simoides notatus*. Smith & Vockeroth 1980: 506 (catalog citation); Dirickx 1998: 127 (catalog citation); Whittington 2004: 601 (citation, fauna assessment);

**villipes**.--(AF: AF) Ethiopia, Kenya, South Africa

*Simoides villipes* Loew, 1858: 382. Type-locality: Sudan (T ♂ NRS). Curran 1939: 10 ( ); Smith & Vockeroth 1980: 506 (catalog citation); Dirickx 1998: 127 (catalog citation); Whittington 2004: 601 (citation, fauna assessment);

*Eristalis villipes*. Loew 1860: 395 ( ); Kertész 1910: 242 (catalog citation);

*Megaspis villipes*. Bezzi 1912: 424 ( ).

*Phytomia villipes*. Bezzi 1915: 75 ( ).

*Phytomyia villipes*. Szilády 1942: 92 ( ).

*Phytomia villipes* var. *femoralis* Bezzi, 1915: 76. Type-locality: South Africa (T ♀ BMNH).

*Simoides villipes* var. *femoralis*. Smith & Vockeroth 1980: 506 (catalog citation);

New Genus

**apophysata**.--(AF: AF) Comoros, Madagascar.

*Protylecera apophysata* Bezzi 1915: 64 (metaleg). Type-locality: Madagascar, Betsileo (HT M BMNH). Hull 1941: 330 (Madagascar, tax. notes, female).

*Senaspis apophysata*. Keiser 1971: 268 (notes, Madagascar, Comoros); Smith & Vockeroth 1980: 505 (catalog citation); Keiser 1971: 268 (descr. notes, Madagascar, Comoros); De Meyer et al. 1990: 570 (Comoros); De Meyer

1990: 570 (Comoros); Dirickx 1998: 121 (catalog citation); Whittington 2004: 601 (citation, fauna assessment); Thompson 2003: 14 (as distinct, needs new genus).

### **Subtribe Helophilina**

#### **Genus *Chasmomma* Bezzii**

*Chasmomma* Bezzii 1915: 102. Type-species, *femoratum* Bezzii (original designation).

References: Kassebeer 2000 (revision)

***albitarsis*.**--(AF: AF) Uganda

*Chasmomma albitarsis* Kassebeer, 2000: 29. Type-locality: Uganda. Entebbe, 0 33N 32 27E (HT M CNC). Whittington 2004: 589 (citation, fauna assessment);

***femoratum*.**--(AF: AF) Nigera

*Chasmomma femoratum* Bezzii, 1915: 103. Type-locality: Nigeria (T A BMNH). Curran 1939: 5 (????); Smith & Vockeroth 1980: 501 (catalog citation); Dirickx 1998: 26 (catalog citation); Whittington 2004: 589 (citation, fauna assessment).

***laterale*.**--(AF: AF) Zaire

*Chasmomma laterale* Curran, 1939: 6. Type-locality: Zaire (T A AMNH). Smith & Vockeroth 1980: 501 (catalog citation); Dirickx 1998: 26 (catalog citation); Whittington 2004: 589 (citation, fauna assessment).

***minutum*.**--(AF: AF) Ivory Coast

*Chasmomma minutum* Kassebeer, 2000: 36. Type-locality: Ivory Coast. W'Man, Zadepleu, Cascades, Pont Liane, 7 25N 7 35W (HT M Coll. Kassebeer). Whittington 2004: 589 (citation, fauna assessment).

***nigrum*.**--(AF: AF) Zaire, Liberia

*Chasmomma nigrum* Curran, 1927: 58. Type-locality: Zaire (T A AMNH). Curran 1939: 5 (????); Smith & Vockeroth 1980: 501 (catalog citation); Dirickx 1998: 26 (catalog citation); Whittington 2004: 589 (citation, fauna assessment).

#### **Genus *Lejops* Rondani**

#### **Subgenus *Anasimyia* Schiner**

*Anasimyia* Schiner 1864: 108. Type-species, *Musca transfuga* Linnaeus (subsequent designation of Coquillett (1910: 506)).

**katonae**.--(AF: AF) Uganda, Zaire

*Eurinomyia katonae* Bezzi, 1921: 7. Type-locality: Tanzania.

Mt Meur, Arusha (T ♀).

*Lejops katonae*. Curran 1939: 11 ( ???? ); Doesburg 1955: 355 ( ???? ); Whittington 2004: 595 (citation, fauna assessment); .

*Helophilus katonae*. Smith & Vockeroth 1980: 503 (catalog citation);

*Anasimyia katonae*. Dirickx 1998: 5 (catalog citation); *Lejops africanum* Curran, 1927: 351. Type-locality: Uganda (HT ♂ BMNH). Syn. Curran 1939: 11

**nasutus**.--(AF: AF) Zaire

*Lejops nasutus* Curran, 1929: 12. Type-locality: Zaire.

Masisi (HT M AMNH). Curran 1939: 11 ( ???? ); Doesburg 1955: 355 ( ???? ); Whittington 2004: 595 (citation, fauna assessment);

*Helophilus nasutus*. Smith & Vockeroth 1980: 503 (catalog citation);

*Anasimyia nasutus*. Dirickx 1998: 5 (catalog citation);

**rhinosus**.--(AF: AF) Uganda

*Lejops rhinosa* Hull, 1944: 38. Type-locality: Uganda (HT A BMNH). Whittington 2004: 595 (citation, fauna assessment);

*Helophilus rhinosus*. Smith & Vockeroth 1980: 503 (catalog citation);

*Anasimyia rhinosus*. Dirickx 1998: 5 (catalog citation);

### Genus **Mallota** Meigen

*Mallota* Meigen 1822: 377. Type-species, *Syrphus fuciformis* Fabricius (subsequent designation of Rondani 1845: 452. [designation by Blanchard (in Audouin et al. 1845: 174) is later, October].

**aenigma**.--(AF: AF) Zimbabwe

*Mallota aenigma* Bezzi, 1912: 434. Type-locality: Equatorial Guniea. Fernando Poo ["île Bioko"]. (T ♀ ). Bezzi 1915: 99 ( ); Curran 1939: 1 ( ); Smith & Vockeroth 1980: 503 (catalog citation); Dirickx 1998: 73 (catalog citation); Whittington 2004: 595 (citation, fauna assessment);

**aperta**.--(AF: AF) Gabon, Zaire

*Protylocera aperta* Bezzi, 1912: 417. Type-locality: Gabon (T ♂ ). Hervé-Bazin 1914: 291 ( ).

*Senaspis aperta*. Curran 1927: 68 ( ).

*Mallota aperta*. Smith & Vockeroth 1980: 503 (catalog

citation); Dirickx 1998: 73 (catalog citation); Whittington 2004: 595 (citation, fauna assessment);

**dasyops**--(AF: AF) Ghana, Zimbabwe, Tanzania, Zaire  
*Eristalis dasyops* Wiedemann, 1819: 18. Type-locality: South Africa (T ). Kertész 1910: 216 (catalog citation); Bezzi 19 : 432 ( ), 1915: 93 ( ).  
*Senaspis dasyops*. Curran 1927: 67 ( ).  
*Mallota dasyops*. Curran 1939: 1 ( ); Smith & Vockeroth 1980: 503 (catalog citation); Dirickx 1998: 73 (catalog citation); Whittington 2004: 595 (citation, fauna assessment);  
*Mallota pachymera* Bezz, 1915: 99. Type-locality: South Africa (T A BMNH). Syn. Smith & Vockeroth 1980: 503.

**extrema**--(AF: AF) Zaire  
*Helophilus extremus* Loew, 1858: 380. Type-locality: South Africa (T NRS). Loew 1860: 387 ( )  
*Tubifera extrema*. Kertész 1910: 252 (catalog citation);  
*Mallota extrema*. Curran 1939: 1 ( ); Smith & Vockeroth 1980: 503 (catalog citation); Dirickx 1998: 73 (catalog citation); Whittington 2004: 595 (citation, fauna assessment);  
*Mallota pallidibasis* of Curran 1927: 65 ( ).

**hirsuta**--(AF: AF) Madagascar.  
*Mallota hirsuta* Hull 1941: 327. Type-locality: Madagascar, Tananarive, Oriental Forest, vicinity of Moramanga (HT F ANSP). Smith & Vockeroth 1980: 503 (catalog citation); Dirickx 1998: 74 (catalog citation); Whittington 2004: 595 (citation, fauna assessment).

**meromacrimima**--(AF: AF) Madagascar  
*Mallota meromacrimima* Hull 1941: 328. Type-locality: Madagascar, Tamatave, Oriental Forest, vicinity of Fanovana, between Tamatave & Tananarive (HT M ANSP). Smith & Vockeroth 1980: 503 (catalog citation); Dirickx 1998: 74 (catalog citation); Whittington 2004: 595 (citation, fauna assessment).

### **Genus *Mesembrius* Rondani**

*Mesembrius* Rondani 1857: 50. Type-species, *Helophilus peregrinus* Loew (monotypy).

#### **Subgenus *Mesembrius* Rondani**

References: Bezz 1915: 95 (key); Curran 1927: 59, 1939a: 8 (key)

**africanus**--(AF: AF) Kenya

*Helophilus africanus* Verrall, 1898: 416. Type-locality:

South Yemen (HT Oxford). Bezzi 1915: 97 ( ).  
*Tubifera africana*. Kertész 1910: 249 (catalog citation);  
*Mesembrius africanus*. Smith & Vockeroth 1980: 504 (catalog citation); Dirickx 1998: 83 (catalog citation); Whittington 2004: 596 (citation, fauna assessment);

???? = *senegalensis* (Dirickx 1998: 82)

**caffer**--(AF: AF) Malawi, Tanzania

*Helophilus caffer* Loew, 1858: 380. Type-locality: South Africa (T NRS). Loew 1860: 384 ( ); Karsch 1888: 381 ( ); Hervé-Bazin 1914: 297 ( ), 103 ( )

*Tubifera caffra*. Kertész 1910: 250 (catalog citation); .

*Mesembrius caffer*. Smith & Vockeroth 1980: 504 (catalog citation); Dirickx 1998: 82 (catalog citation); Whittington 2004: 596 (citation, fauna assessment);

*Mesembrius mediopectinatus* Szilady, 1942: 97. Type-locality: Tanzania (T A MNM). Syn. Smith & Vockeroth 1980: 504.

**capensis**--(AF: AF) Kenya, Malawi, Uganda, Zaire

*Helophilus capensis* Macquart, 1842: 122. Type-locality: South Africa (T ♂ ). Bezzi 1915: 95 ( ); Séguy 1931: 118 ( ).

*Tubifera capensis*. Kertész 1910: 250 (catalog citation);

*Mesembrius capensis*. Curran 1927: 64 ( ), 1939: 10 ( ); Smith & Vockeroth 1980: 504 (catalog citation); Dirickx 1998: 82 (catalog citation); Whittington 2004: 596 (citation, fauna assessment);

**chapini**--(AF: AF) Zaire

*Mesembrius chapini* Curran, 1939: 10. Type-locality: Zaire (HT A AMNH). Smith & Vockeroth 1980: 504 (catalog citation); Dirickx 1998: 82 (catalog citation); Whittington 2004: 596 (citation, fauna assessment);

**ctenifer**--(AF: AF) Madagascar.

*Mesembrius ctenifer* Hull 1941: 333 (metaleg\*, metatarsus\*). Type-locality: Madagascar, Tamatave, Oriental Forest, vicinity of Fanovana, between Tamatave & Tananarive (HT M ANSP). Keiser 1971: 261 (descriptive note, distribution, figs. legs, abdomen); Smith & Vockeroth 1980: 504 (catalog citation); Dirickx 1998: 83 (catalog citation); Whittington 2004: 596 (citation, fauna assessment).

**cyanipennis**--(AF: AF) Ghana, Zaire

*Helophilus cyanipennis* Hervé-Bazin 1914: 297 (nomen nudum )

*Helophilus cyanipennis* Bezzi, 1915: 97. Type-locality: Uganda (T A BMNH). Curran 1927: 60 ( ), 1939: 9 (

); Brunetti 1926: 166 ( ); Smith & Vockeroth 1980: 504 (catalog citation);

*Mesembrius cyanipennis*. Dirickx 1998: 83 (catalog citation); Whittington 2004: 596 (citation, fauna assessment);

**ingratus**--(AF: AF) South Africa, Zaire

*Helophilus ingratus* Loew, 1858: 380. Type-locality: South Africa (T ♂ NRS). Loew 1860: 386 ( ); Hervé-Bazin 1914: 297 ( ); Bezzi 1915: 97 ( ).

*Tubifera ingrata*. Kertész 1910: 254 (catalog citation);

*Mesembrius ingratus*. Curran 1927: 60 ( ); Szilády 1942: 92 ( ); Smith & Vockeroth 1980: 504 (catalog citation); Dirickx 1998: 83 (catalog citation); Whittington 2004: 596 (citation, fauna assessment);

**lagopus**--(AF: AF) Ethiopia, Zimbabwe, Zaire

*Helophilus lagopus* Loew, 1860: 86. Type-locality: South Africa (T NRS). Bezzi 1901: 16 ( ), 1915: 95 ( ).

*Tubifera lagopus*. Kertész 1910: 255 (catalog citation);

*Mesembrius lagopus*. Curran 1927: 62 ( ), 1939: 10 ( ); Doesburg 1955: 355 ( ); Smith & Vockeroth 1980: 504 (catalog citation); De Meyer & Maragia 1993: 3 ( ); Dirickx 1998: 84 (catalog citation); Whittington 2004: 596 (citation, fauna assessment);

**maculifer**--(AF: AF) Madagascar.

*Mesembrius maculifer* Hull 1941: 332. Type-locality:

Madagascar, Tamatave, Oriental Forest, vicinity of Fanovana, between Tamatave & Tananarive (HT F ANSP). Smith & Vockeroth 1980: 504 (catalog citation); Dirickx 1998: 84 (catalog citation); Whittington 2004: 596 (citation, fauna assessment).

**madagascariensis**--(AF: AF) Madagascar.

*Mesembrius madagascariensis* Keiser 1971: 261 (legs, abdomen). Type-locality: Madagascar. Central plateau: Tananarive (Tan.) (HT M MNHN Paris [Keiser]). Smith & Vockeroth 1980: 504 (catalog citation); Dirickx 1998: 84 (catalog citation); Whittington 2004: 596 (citation, fauna assessment).

**minor**--(AF: AF) Ethiopia, Kenya, Uganda, Zaire

*Helophilus minor* Bezzi, 1915: 96. Type-locality: Malawi (T A BMNH).

*Mesembrius minor*. Bezzi 1921: 7 ( ), 1923: 348 ( ); Curran 1927: 64 ( ), 1939: 10 ( ); Smith & Vockeroth 1980: 504 (catalog citation); Dirickx 1998: 84 (catalog citation); Whittington 2004: 596 (citation, fauna assessment);

**morio**--(AF: AF) Tanzania

*Helophilus morio* Bezzi, 1915: 98. Type-locality: Tanzania (T

♀ BMNH).

*Mesembrius morio*. Smith & Vockeroth 1980: 504 (catalog citation); Dirickx 1998: 84 (catalog citation); Whittington 2004: 596 (citation, fauna assessment);

???? Curran (1927: ) considered this a color variety of *cyanipennis*.

***nigriceps***.--(AF: AF) Zaire

*Mesembrius nigriceps* Curran, 1927: 63. Type-locality: Zaire (HT A AMNH). Smith & Vockeroth 1980: 504 (catalog citation); Dirickx 1998: 85 (catalog citation); Whittington 2004: 596 (citation, fauna assessment);

***perforatus***.--(AF: AF) Tanzania

*Prionotomyia perforatus* Speiser, 1913: 129. Type-locality: Tanzania (HT ♂ ).

*Mesembrius perforatus*. Smith & Vockeroth 1980: 504 (catalog citation); Dirickx 1998: 85 (catalog citation); Whittington 2004: 596 (citation, fauna assessment);

***platytarsis***.--(AF: AF) Madagascar.

*Mesembrius platytarsis* Curran 1929: 501. Type-locality: Madagascar. Great Oriental Forest (HT M CAS). Hull 1941: 330 (Madagascar); Arnaud 1979: 314 (HT in CAS); Arnaud & Owen 1981: 109 (type in CAS); Keiser 1971: 265 (descriptive notes, distribution, legs\*, abdomen\*); Smith & Vockeroth 1980: 504 (catalog citation); Dirickx 1998: 85 (catalog citation); Whittington 2004: 596 (citation, fauna assessment).

***regulus***.--(AF: AF) Cameroun

*Tityusia regulus* Hull, 1937: 119. Type-locality: Cameroun (HT ♂ MCZ).

*Mesembrius regulus*. Smith & Vockeroth 1980: 504 (catalog citation); Dirickx 1998: 85 (catalog citation); Whittington 2004: 596 (citation, fauna assessment);

***rex***.--(AF: AF) Zaire, Uganda

*Mesembrius rex* Curran, 1927: 61. Type-locality: Zaire. Kisangani (HT ♂ AMNH). Curran 1939: 10 ( ); Smith & Vockeroth 1980: 504 (catalog citation); Dirickx 1998: 85 (catalog citation); Whittington 2004: 596 (citation, fauna assessment);

***senegalensis***.--(AF: AF) Ethiopia, Mozambique, Zimbabwe, Zaire

*Helophilus senegalensis* Macquart, 1842: 121. Type-locality: Senegal (T ♂ ).

*Tubifera senegalensis*. Kertész 1910: 260 (catalog citation);

*Mesembrius senegalensis*. Curran 1927: 65 ( ), 1939: 10 ( ); Smith & Vockeroth 1980: 504 (catalog citation);

Dirickx 1998: 86 (catalog citation); Whittington 2004: 596 (citation, fauna assessment);

***simplicipes***.--(AF: AF) Madagascar.

*Mesembrius simplicipes* Curran 1929: 500 Madagascar. Great Oriental Forest (HT M CAS). Arnaud 1979: 314 (HT in CAS); Arnaud & Owen 1981: 109 (type in CAS); Keiser 1971: 266 (descriptive notes, distribution. figs. legs, abdomen); Smith & Vockeroth 1980: 504 (catalog citation); Dirickx 1998: 86 (catalog citation); Whittington 2004: 596 (citation, fauna assessment).

***strigilatus***.--(AF: AF) Mozambique, Nigeria, Tanzania, Zaire

*Tubifera strigilata* Bezzi, 1912: 436. Type-locality: Gabon & Guinea-Bissau (T ).

*Helophilus strigilatus*. Bezzi 1915: 96 ( ); Curran & Bryan 1926: 82 ( ).

*Mesembrius strigilatus*. Hervé-Bazin 1914: 481 ( ); Curran 1927: 62 ( ), 1939: 10 ( ); Szilády 1942: 92 ( ); Smith & Vockeroth 1980: 504 (catalog citation); Dirickx 1998: 86 (catalog citation); Whittington 2004: 596 (citation, fauna assessment);

***tarsatus***.--(AF: AF) Semegal, Zaire, Uganda

*Prionotomyia tarsatus* Bigot, 1883: cxxi. Type-locality: Senegal (ST M UMO (Bigot)). Kertész 1910: 266 (catalog citation); Speiser 1913: 128 ( ).

*Mesembrius tarsata*. Curran 1939: 9 ( ).

*Mesembrius tarsatus*. Smith & Vockeroth 1980: 504 (catalog citation); Dirickx 1998: 86 (catalog citation); Whittington 2004: 596 (citation, fauna assessment);

???? *Helophilus caffer* of: Hervé-Bazin 1914: 103 (Madagascar). 2 males in Paris, collected by Lamberton in Tananarive in 1912.

### **Subgenus *Vadonimyia* Séguay**

*Vadonimyia* Séguay 1951: 16. Type-species, *discophora* Séguay (original designation).

References: Hippa 1985b (revision, phylogenetic relationships)

***contractus***.--(AF: AF) Madagascar

*Vadonimyia contracta* Hippa 1985b: 38 (female abdomen\*. Type-locality: Madagascar North, D'Ambanja, N. de Beangona-Ambevy, Vallée d'Antremabé, 400 m. (HT F MNHN). Dirickx 1998: 138 (catalog citation).

*Mesembrius contracta*. Whittington 2004: 596 (citation, fauna assessment)

***discophorus***.--(AF: AF) Madagascar.

*Vadonimyia discophora* Seguy 1951: 16 (habitus\*). Type-locality: Madagascar, Maroantsetra, Ambodivoangy (HT M MNHNP). Keiser 1971: 267 (descriptive notes); Hippa 1985b: 34 (metaleg\*, male & female abdomen\*, male genitalia\*, descr.); Dirickx 1998: 139 (catalog citation).

*Mesembrius discophora*. Smith & Vockeroth 1980: 504 (catalog citation); Whittington 2004: 596 (citation, fauna assessment).

The holotype was collected on the flower of "Makolody, Malvacée arborescente (du genre *Dombeya* ?) in October. A second male was included as cotype, but there was no data beyond Madagascar.

***excavatus***--(AF: AF) Madagascar.

*Mesembrius excavata* Hull 1941: 333 (tip of abdomen\*, metatibia). Type-locality: Madagascar, Tamatave, Oriental Forest, vicinity of Fanovana, between Tamatave & Tananarive (HT M ANSP). Smith & Vockeroth 1980: 504 (catalog citation); Whittington 2004: 596 (citation, fauna assessment).

*Vadonimyia excavata*. Hippa 1985b: 42 (metaleg\*, male & female abdomen\*, male genitalia\*, descr.); Dirickx 1998: 139 (catalog citation).

***tortuosus***--(AF: AF) Madagascar.

*Vadonimyia tortuosa* Hippa 1985b: 40 (metaleg\*, male & female abdomen, male genitalia\*). Type-locality: Madagascar, "Environs de Rogez" (HT M CNC). Dirickx 1998: 139 (catalog citation).

*Mesembrius tortuosa*. Whittington 2004: 596 (citation, fauna assessment).

*excavata* (in part) of Hull 1941: 331 (Madagascar).

Tribe Cerioidini

**Genus *Ceriana* Rafinesque**

*Ceria* of Fabricius 1794: 277. Misidentification of *Ceria* Scopoli 1763.

*Ceriana* Rafinesque 1815: 131. New name for *Ceria* of Fabricius.

In the past, authors have erroneously treated *Ceria* of Fabricius as a new independent proposal, rather than merely a misidentification of Scopoli's genus. This interpretation caused a number of problems, especially as to the type-species of Fabricius' group.

### **Subgenus *Ceriana* Rafinesque**

**aurata**.--(AF: AF) Zaire

*Cerioides aurata* Curran, 1927: 83. Type-locality: Zaire (T A AMNH). Curran 1938: 3 ( ).

*Sphiximorpha aurata*. Smith & Vockeroth 1980: 500 (catalog citation);

*Ceriana aurata*. Dirickx 1998: 25 (catalog citation); Whittington 2004: 589 (citation, fauna assessment);

**brunnea**.--(AF: AF) Namibia

*Tenthredomyia brunnea* Hull, 1944: 23. Type-locality: Namibia (T A BMNH).

*Ceriana brunnea*. Smith & Vockeroth 1980: 500 (catalog citation); Dirickx 1998: 25 (catalog citation);

Whittington 2004: 589 (citation, fauna assessment);

**dilatipes**.--(AF: AF) Zimbabwe

*Cerioides dilatipes* Brunetti, 1929: 15. Type-locality: Zimbabwe (HT ♂ BMNH).

*Sphiximorpha dilatipes*. Smith & Vockeroth 1980: 500 (catalog citation);

*Ceriana dilatipes*. Dirickx 1998: 26 (catalog citation); Whittington 2004: 589 (citation, fauna assessment);

**maculipennis**.--(AF: AF) Zaire

*Cerioides maculipennis* Herve-Bazin, 1913: 89. Type-locality: Zaire (T A MNHNP). Curran 1927: 82 ( ).

*Sphiximorpha maculipennis*. Smith & Vockeroth 1980: 500 (catalog citation);

*Ceriana maculipennis*. Dirickx 1998: 26 (catalog citation); Whittington 2004: 589 (citation, fauna assessment);

### **Subgenus *Monoceromyia* Shannon**

*Monoceromyia* Shannon 1922: 41. Type-species, *Ceria tricolor* Loew (monotypy). Proposed as a subgenus.

**afra**.--(AF: AF) South Africa

*Ceria afra* Wiedemann, 1830: 81. Type-locality: South Africa.

Cape of Good Hope (T ). Loew 1853: 9 ( ), 1860: 360 ( ).

*Cerioides afra*. Kertész 1910: 361 (catalog citation); Hervé-Bazin 1913: 87 ( ); Doesburg 1955: 353 ( ).

*Sphiximorpha afra*. Smith & Vockeroth 1980: 500 (catalog citation);

*Monoceromyia afra*. Dirickx 1998: 97 (catalog citation);

*Ceriana afra*. Whittington 2004: 589 (citation, fauna

assessment);

***bequaerti***.--(AF: AF) Zaire

*Cerioides bequaerti* Curran, 1938: 2. Type-locality: Zaire.  
Kisangani (T A AMNH).

*Sphiximorpha bequaerti*. Smith & Vockeroth 1980: 500 (catalog  
citation);

*Monoceromyia bequaerti*. Dirickx 1998: 97 (catalog citation);

*Ceriana bequaerti*. Whittington 2004: 589 (citation, fauna  
assessment);

***brunneipennis***.--(AF: AF) South Africa

*Ceria brunneipennis* Loew, 1858: 375. South Africa [as  
"Caffreria"] (T ).  
*Ceria brunnipennis*. Loew 1860: 361 ( ); Karsch 1888: 381  
( ).

*Cerioides brunneipennis*. Kertész 1910: 362 (catalog  
citation); Hervé-Bazin 1913: 87 ( ); Doesburg 1955:  
354 ( ).

*Ceriana brunneipennis*. Smith & Vockeroth 1980: 50 (catalog  
citation); Whittington 2004: 589 (citation, fauna  
assessment);

*Monoceromyia brunneipennis*. Dirickx 1998: 98 (catalog  
citation);

***caffra***.--(AF: AF) South Africa, Tanzania

*Ceria caffra* Loew, 1853: 12. Type-locality: South Africa (T  
NRS). Loew 1860: 362 ( ); Karsch 1888: 381 ( ).

*Cerioides caffra*. Kertész 1910: 362 (catalog citation);  
Speiser 1910: 131 ( ); Hervé-Bazin 1913: 86 ( );  
Doesburg 1955: 353 ( ), 1956: 515 ( ).

*Sphiximorpha caffra*. Smith & Vockeroth 1980: 500 (catalog  
citation);

*Monoceromyia caffra*. Dirickx 1998: 98 (catalog citation);

*Ceriana caffra*. Whittington 2004: 589 (citation, fauna  
assessment);

***congolensis***.--(AF: AF) Zaire

*Cerioides congolensis* Bezz, 1908: 382. Type-locality: Zaire  
(HT ♀ ). Hervé-azin 1913: 94 ( ).

*Sphiximorpha congolensis*. Smith & Vockeroth 1980: 500  
(catalog citation);

*Monoceromyia congolensis*. Dirickx 1998: 98 (catalog  
citation);

*Ceriana congolensis*. Whittington 2004: 589 (citation, fauna  
assessment);

***frenata***.--(AF: AF) South Africa

*Ceria frenata* Loew, 1853: 13. Type-locality: South Africa (T  
NRS). Loew 1860: 363 ( ).

*Cerioides frenata*. Kertész 1910: 364 (catalog citation);  
Hervé-Bazin 1913: 86 ( ).

*Sphiximorpha frenata*. Smith & Vockeroth 1980: 500 (catalog  
citation);

*Monoceromyia frenata*. Dirickx 1998: 98 (catalog citation);

*Ceriana frenata*. #W589 (citation, fauna assessment);

***gambiana***--(AF: AF) Gambia

*Ceria gambiana* Saunders, 1845: 65. Type-locality: Gambia (T  
A BMNH). Loew 1853: 11 ( ), 1860: 362 ( );  
Marshall 1902: 534 ( ).

*Cerioides gambiana*. Bezzi 1908: 35 ( ); Kertész 1910: 364  
(catalog citation); Hervé-Bazin 1913: 86 ( ).

*Sphiximorpha gambiana*. Smith & Vockeroth 1980: 500 (catalog  
citation);

*Monoceromyia gambiana*. Dirickx 1998: 99 (catalog citation);

*Ceriana gambiana*. Whittington 2004: 589 (citation, fauna  
assessment);

***globigaster***--(AF: AF) South Africa

*Cerioides globigaster* Hull, 1944: 28. Type-locality: South  
Africa. Pretoria (T A BMNH).

*Sphiximorpha globigaster*. Smith & Vockeroth 1980: 500  
(catalog citation);

*Monoceromyia globigaster*. Dirickx 1998: 99 (catalog  
citation);

*Ceriana globigaster*. Whittington 2004: 589 (citation, fauna  
assessment);

***gloriosa***--(AF: AF) Uganda

*Monoceromyia gloriosa* Hull, 1944: 30. Type-locality: Uganda.  
Mt. Moroto (HT ♀ BMNH). Smith & Vockeroth 1980: 500  
(catalog citation); Dirickx 1998: 99 (catalog  
citation);

*Ceriana gloriosa*. Whittington 2004: 589 (citation, fauna  
assessment);

***hopei***--(AF: AF) Sierra Leone

*Ceria hopei* Saunders, 1845: 67. Type-locality: Sierra Leone  
(T A BMNH). Loew 1853: 10 ( ), 1860: 361 ( ).

*Cerioides hopei*. Kertész 1910: 364 (catalog citation);  
Hervé-Bazin 1913: 87 ( ).

*Sphiximorpha hopei*. Smith & Vockeroth 1980: 500 (catalog  
citation);

*Monoceromyia hopei*. Dirickx 1998: 99 (catalog citation);

*Ceriana hopei*. Whittington 2004: 589 (citation, fauna  
assessment);

***katoniana***--(AF: AF) Tanzania

*Cerioides katoniana* Bezzi, 1921: 21. Type-locality:

Tanzania. Kilimanjaro (HT ♂).  
*Sphiximorpha katoniana*. Smith & Vockeroth 1980: 500 (catalog citation);  
*Monoceromyia katoniana*. Dirickx 1998: 100 (catalog citation);  
*Ceriana katoniana*. #W589 (citation, fauna assessment);  
**madecassa**.--(AF: AF) Madagascar.  
*Monoceromyia madecassa* Keiser 1971: 278. Type-locality: Madagascar, Central Plateau, Manjakatombo (Tan.) (HT F MNHN Paris [Keiser]). Smith & Vockeroth 1980: 500 (catalog citation); Dirickx 1998: 100 (catalog citation).  
*Ceriana madecassa*. Whittington 2004: 589 (citation, fauna assessment).  
**neavei**.--(AF: AF) Zaire, Zimbabwe  
*Cerioides neavei* Bezz, 1915: 140. Type-locality: Zaire (T A BMNH). Doesburg 1955: 354 ( ).  
*Sphiximorpha neavei*. Smith & Vockeroth 1980: 500 (catalog citation);  
*Monoceromyia neavei*. Dirickx 1998: 100 (catalog citation);  
*Ceriana neavei*. Whittington 2004: 589 (citation, fauna assessment);  
**pulchra**.--(AF: AF) Zaire, Nigeria, Zimbabwe, Zambia  
*Cerioides pulchra* Herve-Bazin, 1913: 91. Type-locality: Zaire (T A MHNTP). Bezz 1915: 139 ( ); Curran & Bryan 1926: 82 ( ); Doesburg 1955: 354 ( ).  
*Ceriana pulchra*. Smith & Vockeroth 1980: 500 (catalog citation); Whittington 2004: 589 (citation, fauna assessment);  
*Monoceromyia pulchra*. Dirickx 1998: 100 (catalog citation);  
**rufifrons**.--(AF: AF) Zaire  
*Cerioides rufifrons* Curran, 1927: 81. Type-locality: Zaire. Bas-Zaire, Boma (HT ♀ AMNH).  
*Sphiximorpha rufifrons*. Smith & Vockeroth 1980: 500 (catalog citation);  
*Monoceromyia rufifrons*. Dirickx 1998: 101 (catalog citation);  
*Ceriana rufifrons*. Whittington 2004: 589 (citation, fauna assessment);  
**speiseri**.--(AF: AF) Zaire, Zimbabwe  
*Cerioides speiseri* Hervé-Bazin, 1913: 93. Type-locality: Zaire (T A MHNTP). Bezz 1915: 141 ( ); Doesburg 1956: 515 ( ).  
*Sphiximorpha speiseri*. Smith & Vockeroth 1980: 500 (catalog citation);

*Monoceromyia speiseri*. Dirickx 1998: 101 (catalog citation);  
*Ceriana speiseri*. Whittington 2004: 589 (citation, fauna assessment);

**swierstrai**--(AF: AF) South Africa, Zimbabwe

*Cerioides swierstrai* Doesburg, 1955: 356. Type-locality: South Africa. Transvaal, Barberton (HT ).

*Sphiximorpha swierstrai*. Smith & Vockeroth 1980: 500 (catalog citation);

*Monoceromyia swierstrai*. Dirickx 1998: 101 (catalog citation);

*Ceriana swierstrai*. Whittington 2004: 589 (citation, fauna assessment);

**ugandana**--(AF: AF) Uganda, Namibia, Zimbabwe

*Cerioides ugandana* Kertesz, 1913: 609. Type-locality: Uganda (T A MNM). Bezzi 1921: 21 ( ); Doesburg 1955: 355 ( ).

*Sphiximorpha ugandana*. Smith & Vockeroth 1980: 501 (catalog citation);

*Monoceromyia ugandana*. Dirickx 1998: 101 (catalog citation);

*Ceriana ugandana*. Whittington 2004: 589 (citation, fauna assessment);

**unipunctata**--(AF: AF) Zimbabwe

*Cerioides unipunctata* Doesburg, 1956: 515. Type-locality: Zimbabwe (HT ♀ ).

*Sphiximorpha unipunctata*. Smith & Vockeroth 1980: 501 (catalog citation);

*Monoceromyia unipunctata*. Dirickx 1998: 101 (catalog citation);

*Ceriana unipunctata*. Whittington 2004: 589 (citation, fauna assessment);

**varipes**--(AF: AF) Zaire

*Cerioides varipes* Curran, 1927: 82. Type-locality: Zaire. Kisangani (HT ♂ AMNH).

*Sphiximorpha varipes*. Smith & Vockeroth 1980: 501 (catalog citation);

*Ceriana varipes*. Whittington 2004: 589 (citation, fauna assessment);

*Monoceromyia varipes*. Dirickx 1998: 102 (catalog citation);

### **Subgenus *Sphiximorpha* Rondani**

*Cerioides* Rondani 1850: 211 (???? new name for ????). Type-species, *Ceria subsessilis* Illiger (AU )

*Sphiximorpha* Rondani 1850: 213. Type-species, *Ceria subsessilis* Illiger (original designation).

*Cerioides* Rondani 1850: 211. Type-species, *Ceria subsessilis* Illiger (monotypy). Published in synonymy, made available by Bezzi & Stein 1907: 156.

**africana**.--(AF: AF) Madagascar.

*Cerioides africana* Hull 1944: 27. Type-locality: Madagascar, Betsileo (HT F BMNH).

*Sphiximorpha africana*. Smith & Vockeroth 1980: 500 (catalog citation); Dirickx 1998: 130 (catalog citation).

*Ceriana africana*. Whittington 2004: 589 (citation, fauna assessment)

**ammophilina**.--(AF: AF) Tanzania, Zimbabwe

*Cerioides ammophilina* Speiser, 1910: 130. Type-locality: Tanzania. Meru, Kilimanjaro (HT ). Hervé-Bazin 1913: 87 ( ); Doesburg 1955: 354 ( ).

*Ceriana ammophilina*. Smith & Vockeroth 1980: 500 (catalog citation); Whittington 2004: 589 (citation, fauna assessment);

*Sphiximorpha ammophilina*. Dirickx 1998: 130 (catalog citation);

**bezzii**.--(AF: AF) Zaire, Zimbabwe

*Cerioides bezzii* Herve-Bazin, 1913: 87. Type-locality: Zaire (T A MNHNP). Bezzi 1915: 142 ( ); Curran 1938: 2 ( ); Doesburg 1955: 353 ( ).

*Sphiximorpha bezzii*. Smith & Vockeroth 1980: 500 (catalog citation); Dirickx 1998: 131 (catalog citation);

*Cerianadbezzii*. Whittington 2004: 589 (citation, fauna assessment);

**delicatula**.--(AF: AF) Cameroun

*Cerioides delicatula* Hull, 1941: 162. Type-locality: Cameroun (T A MCZ).

*Sphiximorpha delicatula*. Smith & Vockeroth 1980: 500 (catalog citation); Dirickx 1998: 131 (catalog citation);

*Ceriana delicatula*. Whittington 2004: 589 (citation, fauna assessment);

**dentipes**.--(AF: AF) South Africa

*Cerioides dentipes* Doesburg, 1955: 354. Type-locality: South Africa.

*Sphiximorpha dentipes*. Smith & Vockeroth 1980: 500 (catalog citation); Dirickx 1998: 131 (catalog citation);

*Ceriana dentipes*. Whittington 2004: 589 (citation, fauna assessment);

**divisa**.--(AF: AF) South Africa

*Ceria divisa* Walker, 1857: 152. Type-locality: South Africa (T A BMNH).

*Ceriooides divisa*. Kertész 1910: 363 (catalog citation);

Hervé-Bazin 1913: 86 ( ).

*Sphiximorpha divisa*. Smith & Vockeroth 1980: 500 (catalog

citation); Dirickx 1998: 131 (catalog citation);

*Ceriana divisa*. Whittington 2004: 589 (citation, fauna  
assessment);

**malleus**--(AF: AF) Mozambique

*Ceriooides malleus* Hull, 1945: 182. Type-locality: Mozambique  
(HT BMNH).

*Sphiximorpha malleus*. Smith & Vockeroth 1980: 500 (catalog  
citation); Dirickx 1998: 131 (catalog citation);

*Ceriana malleus*. Whittington 2004: 589 (citation, fauna  
assessment);

**marginalis**--(AF: AF) Uganda, South Africa, Zaire

*Ceriooides bezzii* var. *marginalis* Bezzi, 1915: 142. Type-  
locality: Uganda (T A BMNH).

*Ceriooides marginalis*. Curran 1938: 2 ( ); Doesburg 1956:  
515 ( ).

*Sphiximorpha marginalis*. Smith & Vockeroth 1980: 500  
(catalog citation); Dirickx 1998: 132 (catalog  
citation);

*Ceriana marginalis*. Whittington 2004: 589 (citation, fauna  
assessment);

**minuta**--(AF: AF) South Africa

*Ceriooides minuta* Hull, 1944: 25. Type-locality: South Africa  
(T A BMNH).

*Sphiximorpha minuta*. Smith & Vockeroth 1980: 500 (catalog  
citation); Dirickx 1998: 132 (catalog citation);

*Ceriana minuta*. Whittington 2004: 589 (citation, fauna  
assessment);

**subcastanea**--(AF: AF) Malawi

*Ceriooides subcastanea* Brunetti, 1929: 16. Type-locality:  
Malawi (HT ♂ BMNH).

*Sphiximorpha subcastanea*. Smith & Vockeroth 1980: 500  
(catalog citation); Dirickx 1998: 132 (catalog  
citation);

*Ceriana subcastanea*. Whittington 2004: 589 (citation, fauna  
assessment);

Tribe Eumerini

#### **Genus *Amphoterus* Bezzi**

*Amphoterus* Bezzi, 1915: 116. Type-species, *cribatus* Bezzi  
(original designation).

***braunsi***.--(AF: AF) South Africa

*Amphoterus braunsi* Doesburg, 1956: 517. Type-locality: South Africa. Transvaal, Barberton (HT ♂). Smith & Vockeroth 1980: 497 (catalog citation); Dirickx 1998: 4 (catalog citation);  
*Eumerus braunsi*. Whittington 2004: 592 (citation, fauna assessment);

***cibratus***.--(AF: AF) Kenya

*Amphoterus cibratus* Bezzi, 1915: 117. Type-locality: Kenya (T A BMNH). Brunetti 1926: 166 (Zaire ???); Smith & Vockeroth 1980: 497 (catalog citation); Dirickx 1998: 4 (catalog citation);  
*Eumerus cibratus*. Whittington 2004: 592 (citation, fauna assessment);

### **Genus *Eumerus* Meigen**

*Eumerus* Meigen 1822: 202. Type-species, *Syrphus tricolor* Fabricius (subsequent designation by Curtis 1839: 749).

*Citibaena* Walker 1857: 124. Type-species, *aurata* Walker (monotypy).

*Citibena* Bigot 1883: 225. Misspelling.

*Citabaena* Curran 1938a: 7. Misspelling.

References: Bezzi 1915: 108 (key); Curran 1938a: 7 (key as *Citabaena*); Hull 1964: 426 (key to some Afrotropical spp.).

***albifacies***.--(AF: AF) Madagascar.

*Eumerus albifacies* Keiser 1971: 301. Type-locality: Madagascar, South, Ambovombe (Tul.) (HT M MNHN Paris [Keiser]). Smith & Vockeroth 1980: 497 (catalog citation); Dirickx 1998: 37 (catalog citation); Whittington 2004: 592 (citation, fauna assessment).

***aquilius***.--(AF: AF OR AU) Afrotropical?

*Eumerus aquilius* Walker, 1849: 551. Type-locality: Unknown (LT M BMNH design. Thomson 1988: 206). Kertész 1910: 313 (catalog citation); Dirickx 1998: 37 (catalog citation); Whittington 2004: 592 (citation, fauna assessment);

***argenteus***.--(AF: AF) South Africa

*Eumerus argenteus* Walker, 1852: 224. Type-locality: South Africa (T A BMNH). Loew 1858: 377 ( ), 1860: 371 ( ); Kertész 1910: 313 (catalog citation); Bezzi 1912: 439 ( ); Hervé-Bazin 1914: 70 ( ); Doesburg 1955: 360 ( ); Smith & Vockeroth 1980: 497 (catalog citation); Dirickx 1998: 37 (catalog citation); Whittington 2004: 592

***argyropsis***.--(AF: AF) South Africa

*Eumerus argyropsis* Bezzii, 1908: 185. Type-locality: South Africa (T ♂). Bezzii 1912: 439 ( ); Hervé-Bazin 1914: 70 ( ); Hull 1964: 465 ( ); #SV498 (catalog citation); Dirickx 1998: 37 (catalog citation); Whittington 2004: 592 (citation, fauna assessment);

***armipes***.--(AF: AF) South Africa

*Eumerus armipes* Bezzii, 1915: 113. Type-locality: South Africa (T A BMNH). Hull 1964: 464 ( ); Smith & Vockeroth 1980: 498; Dirickx 1998: 38 (catalog citation); Whittington 2004: 592 (citation, fauna assessment);

***assimilis***.--(AF: AF) Zimbabwe

*Eumerus assimilis* Doesburg, 1955: 365. Type-locality: Zimbabwe (HT ♂). Smith & Vockeroth 1980: 498 (catalog citation); Dirickx 1998: 38 (catalog citation); Whittington 2004: 592 (citation, fauna assessment);

***astropilops***.--(AF: AF) South Africa

*Eumerus astropilops* Hull, 1964: 471. Type-locality: South Africa (T A ZIL). Smith & Vockeroth 1980: 498 (catalog citation); Dirickx 1998: 38 (catalog citation); Whittington 2004: 592 (citation, fauna assessment);

***atrovarius***.--(AF: AF) South Africa

*Eumerus atrovarius* Speiser, 1913: 138. Type-locality: South Africa (T ). Smith & Vockeroth 1980: 498 (catalog citation); Dirickx 1998: 38 (catalog citation); Whittington 2004: 592 (citation, fauna assessment);

***aurifrons***.--(AF: AF) Madagascar; ????

*Pipiza aurifrons* Wiedemann 1824: 32. Type-locality: "Ind. orient." (ST ♂ UZMC, NMW).

*Eumerus aurifrons*. Wiedemann 1830: 114 (diagnosis, descr.); Kertész 1910: 314 (catalog citation); Zimsen 1954: 18 (1 type in UZMC); Smith & Vockeroth 1980: 498 (catalog citation); Dirickx 1998: 38 (catalog citation); Whittington 2004: 592 (citation, fauna assessment).

*Eumerus albipes* Keiser 1971: 302. Type-locality: Madagascar, Nosy Be: Ambanoro (HT M MNHN Paris [Keiser]). Syn. Smith & Vockeroth 1980: 498.

In the original description Wiedemann mentions only male and only Copenhagen ("In Museo regio"). Later he (Wiedemann 1830) add his own collection.

***axinecerus***.--(AF: AF) Ethiopia, Zimbabwe, South Africa

*Eumerus axinecerus* Speiser, 1910: 129. Type-locality: Tanzania (T ♀). Bezzii 1912: 439 ( ), 1915: 115 ( ), 1921: 19 ( ); Speiser 1913: 140 ( ); Hervé-Bazin 1913: 71 ( ); Doesburg 1955: 359 ( ); Hull 1964:

465 ( ); Smith & Vockeroth 1980: 498 (catalog citation); Dirickx 1998: 39 (catalog citation); Whittington 2004: 592 (citation, fauna assessment);

***bequaerti***--(AF: AF) Zaire

*Eumerus bequaerti* Herve-Bazin, 1913: 76. Type-locality: Zaire (T A MNHNP). Doesburg 1955: 355 ( ); Smith & Vockeroth 1980: 498Dirickx 1998: 39Whittington 2004: 592 (citation, fauna assessment);

***bidentatus***--(AF: AF) Madagascar.

*Eumerus bidentatus* Keiser 1971: 304. Type-locality: Madagascar, East, Périnet (Tam.) (HT M MNHN Paris [Keiser]). Smith & Vockeroth 1980: 498 (catalog citation); Dirickx 1998: 39 (catalog citation); Whittington 2004: 592 (citation, fauna assessment).

***breijeri***--(AF: AF) South Africa

*Eumerus breijeri* Doesburg, 1955: 361. Type-locality: South Africa (HT ). Smith & Vockeroth 1980: 498Dirickx 1998: 39Whittington 2004: 592 (citation, fauna assessment);

***brincki***--(AF: AF) South Africa

*Eumerus brincki* Hull, 1964: 473. Type-locality: South Africa (HT ♂ ZIL). Smith & Vockeroth 1980: 498Dirickx 1998: 39Whittington 2004: 592 (citation, fauna assessment);

***caboverdensis***--(AF: AF) Cape Verde Is.

*Eumerus caboverdensis* Barkemeyer, 2002: 16. Type-locality: Cape Verde Is. Santo Antao, Cova de Paul, Felder (HT ♂ Natal). Barkemeyer 2002: 17 (Head\* antenna\*, metaleg\* Wing\* MG\*)

***capensis***--(AF: AF) South Africa

*Citabaena capensis* Curran, 1938: 11. Type-locality: South Africa (HT ♀ AMNH).

*Eumerus capensis*. Doesburg 1955: 361 ( ); Smith & Vockeroth 1980: 498 (catalog citation); Dirickx 1998: 40 (catalog citation); Whittington 2004: 592 (citation, fauna assessment);

***cilaosiacus***--(AF: AF) Réunion.

*Eumerus cilaosiacus* Kassebeer 2000a: 55. Type-locality: Réunion, Cilaos (HT F MNHN, Paris); Whittington 2004: 592 (citation, fauna assessment).

***compactus***--(AF: AF) South Africa

*Eumerus compactus* Doesburg, 1966: 127. Type-locality: South Africa. Grahamstown (HT ). Smith & Vockeroth 1980: 498 (catalog citation); Dirickx 1998: 40 (catalog citation); Whittington 2004: 592 (citation, fauna assessment);

***connexus***--(AF: AF) Kenya

*Eumerus connexus* Hull, 1964: 490. Type-locality: Kenya (T A ZIL). Smith & Vockeroth 1980: 498 (catalog citation); Dirickx 1998: 40 (catalog citation); Whittington 2004: 592 (citation, fauna assessment);

***discimanus*.--(AF: AF)** Madagascar.

*Eumerus discimanus* Keiser 1971: 304. Type-locality: Madagascar, West, Andobo, Foret de l'Antsingy, 190 m (HT MNHN Paris [Keiser]). Smith & Vockeroth 1980: 498 (catalog citation); Dirickx 1998: 40 (catalog citation); Whittington 2004: 592 (citation, fauna assessment).

***dolichocerus*.--(AF: AF)** Cameroun

*Eumerus dolichocerus* Speisser, 1915: 97. Type-locality: Cameroun (T ). Smith & Vockeroth 1980: 498 (catalog citation); Dirickx 1998: 40 (catalog citation); Whittington 2004: 592 (citation, fauna assessment);

***erythrocerus*.--(AF: AF PA)** South Africa, Kenya, Zimbabwe, Sundan

*Eumerus erythrocerus* Loew, 1858: 377. Type-locality: South Africa (T NRS). Loew 1860: 370 ( ); Schiner 1868: 368 ( ); Bezzi 1908: 184 ( ), 1912: 439 ( ), 1921: 19 ( ); Kertész 1910: 314 (catalog citation); Hervé-Bazin 1913: 71 ( ); Becker 1923: 67 ( ); Doesburg 1955: 361 ( ); Smith & Vockeroth 1980: 498 (catalog citation); Dirickx 1998: 41 (catalog citation); Whittington 2004: 592 (citation, fauna assessment);

***feae*.--(AF: AF)** Fernando Poo & Gabon, Cameroun, Ghana, Kenya, Liberia, Zaire

*Eumerus feae* Bezzi, 1912: 440. Type-locality: Fernando Poo & Gabon (T ). Hervé-Bazin 1913: 71 ( ); Bezzi 1915: 115 ( ); Curran & Bryan 1926: 82 ( ); Curran 1927: 48 ( ); Hull 1964: 465 ( ); Smith & Vockeroth 1980: 498 (catalog citation); Dirickx 1998: 41 (catalog citation); Whittington 2004: 592 (citation, fauna assessment);

*Eumerus feeae*. Brunetti 1926: 166 (missp., ).

*Citabaena feae*. Curran 1938: 14 ( ).

***figurans*.--(OR: AF, OR, AU)** Seychelles; widespread Oriental and Australian regions.

*Eumerus figurans* Walker 1859: 121. Type-locality: Indonesia, Sulawesi, ??? [as "Makessar"] (T F BMNH). Wulp 1896: 108 (catalog citation); Kertész 1910: 315 (catalog citation); Knutson et al. 1975: 341 [catalog citation]; Thompson & Vockeroth 1989: 454 (catalog citation); Gerlach 2009: 238 (Seychelles).

*Eumerus marginatus* Grimshaw 1902: 82. Type-locality: USA, Hawaii, Oahu, Honolulu (T M BMNH). Kertész 1910: 316

(catalog citation); Hardy 1964: 401 (diagn., abdomen\*, male genitalia\*, Hawaii). Syn. ????

A common tramp species associated with ginger roots. I have a single female from Mahé.

***flavimarginatus***--(AF: AF) South Africa

*Eumerus flavimarginatus* Hull, 1964: 487. Type-locality: South Africa (T A ZIL). Smith & Vockeroth 1980: 498 (catalog citation); Dirickx 1998: 41 (catalog citation); Whittington 2004: 592 (citation, fauna assessment);

***fumipennis***--(AF: AF) South Africa

*Eumerus fumipennis* Hull, 1964: 472. Type-locality: South Africa (T A ZIL). Smith & Vockeroth 1980: 498 (catalog citation); Dirickx 1998: 41 (catalog citation); Whittington 2004: 592 (citation, fauna assessment);

***griseus***--(AF: AF) South Africa

*Eumerus griseus* Hull, 1964: 468. Type-locality: South Africa (T A ZIL). Smith & Vockeroth 1980: 498 (catalog citation); Dirickx 1998: 42 (catalog citation); Whittington 2004: 592 (citation, fauna assessment);

***hypopygialis***--(AF: AF) South Africa

*Eumerus hypopygialis* Doesburg, 1966: 129. Type-locality: South Africa (T ). Smith & Vockeroth 1980: 498 (catalog citation); Dirickx 1998: 42 (catalog citation); Whittington 2004: 592 (citation, fauna assessment);

***imitatus***--(AF: AF) South Africa

*Eumerus imitatus* Doesburg, 1955: 364. Type-locality: South Africa (HT ). Smith & Vockeroth 1980: 498 (catalog citation); Dirickx 1998: 42 (catalog citation); Whittington 2004: 592 (citation, fauna assessment);

***integer***--(AF: AF) South Africa, Zaire

*Eumerus integer* Beazzi, 1921: 18. Type-locality: South Africa. Smith & Vockeroth 1980: 498 (catalog citation); Dirickx 1998: 42 (catalog citation); Whittington 2004: 592 (citation, fauna assessment);  
*Citabaena intiger*. Curran 1938: 13 ( ).

***jacobi***--(AF: AF) Zaire

*Eumerus jacobi* Herve-Bazin, 1913: 72. Type-locality: Zaire (T A MNHNP). Curran 1927: 48 ( ); Hull 1964: 464 ( ); Smith & Vockeroth 1980: 498 (catalog citation); Dirickx 1998: 42 (catalog citation); Whittington 2004: 592 (citation, fauna assessment);

***keizeri***--(AF: AF) South Africa

*Eumerus keizeri* Hull, 1964: 479. Type-locality: South Africa

(T A ZIL). Smith & Vockeroth 1980: 498 (catalog citation); Dirickx 1998: 43 (catalog citation); Whittington 2004: 592 (citation, fauna assessment);

***lugens*.**--(AF: AF) St. Helena

*Eumerus lugens* Wiedemann, 1830: 113. Type-locality: St. Helena (T ♂ ). Bezzi 1908: 184 ( ), 1912: 439 ( ); Kertész 1910: 316 (catalog citation); Speiser 1913: 140 ( ); Hervé-Bazin 1914: 70 ( ); Doesburg 1955: 360 ( ); Hull 1964: 465 ( ); Smith & Vockeroth 1980: 498 (catalog citation); Dirickx 1998: 43 (catalog citation); Whittington 2004: 592 (citation, fauna assessment);

*Eumerus ingens*. Melliss 1875: 195 (St. Helena ).

*Eumerus obliquus lugens*. Doesburg & Doesburg 1976: 72 (St. Helena ).

***lunatus*.**--(PA: PA AF) South Africa

*Syrphus lunatus* Fabricius, 1794: 296. Type-locality: Barbaria (T A MNHNP).

*Milesia lunatus*. Fabricius 1805: 193 ( )

*Eumerus lunatus*. Wiedemann 1830: 111 ( ); Schiner 1857: 431 ( ); Verrall 1898: 422 ( ); Kertész 1910: 316 (catalog citation); Bezzi 1912: 439 ( ); Hervé-Bazin 1914: 70 ( ); Curran & Bryan 1926: 82 ( ); Doesburg 1955: 360 ( ); Smith & Vockeroth 1980: 498 (catalog citation); Dirickx 1998: 43 (catalog citation); Whittington 2004: 592 (citation, fauna assessment);

*Citabaena lunatus*. Curran 1938: 10 ( ).

***macropygus*.**--(AF: AF) Madagascar.

*Eumerus macropygus* Keiser 1971: 306. Type-locality:

Madagascar, East, Moramanga (Tam.) (HT M MNHN Paris [Keiser]). Smith & Vockeroth 1980: 498 (catalog citation); Dirickx 1998: 44 (catalog citation); Whittington 2004: 592 (citation, fauna assessment).

***maculipennis*.**--(AF: AF) Comoros; Nigeria, Uganda, South Africa.

*Eumerus maculipennis* Bezzi 1915: 112. Type-locality:

Nigeria, Oshogbo (HT F BMNH). Hull 1964: 463 (key ref.); Smith & Vockeroth 1980: 598 (catalog citation); De Meyer et al. 1990: 569 (Comoros); Dirickx 1998: 44 (catalog citation); Whittington 2004: 592 (citation, fauna assessment).

***malagasius*.**--(AF: AF) Madagascar.

*Eumerus malagasius* Keiser 1971: 307. Type-locality:

Madagascar, Central Plateau, Ampefy, Lack Kavita (Tan.) (HT M MNHN Paris [Keiser]). Smith & Vockeroth 1980: 498 (catalog citation); Dirickx 1998: 44 (catalog citation); Whittington 2004: 592 (citation, fauna assessment).

***metatarsalis***.--(AF: AF) South Africa

*Eumerus metatarsalis* Doesburg, 1955: 363. Type-locality:  
South Africa (T ). Smith & Vockeroth 1980: 498  
(catalog citation); Dirickx 1998: 44 (catalog  
citation); Whittington 2004: 592 (citation, fauna  
assessment);

***mucidus***.--(AF: AF PA) Afrotropical

*Eumerus mucidus* Beazzi, 1921: 16. Type-locality: "Tatahonina  
(Africa sept. ?)" (T ). Whittington 2004: 592  
(citation, fauna assessment);

***niger***.--(AF: AF) South Africa

*Eumerus niger* Doesburg, 1955: 362. Type-locality: South  
Africa. Pondoland, Port St Johns (HT ♂ ). Smith &  
Vockeroth 1980: 498 (catalog citation); Dirickx 1998:  
44 (catalog citation); Whittington 2004: 592 (citation,  
fauna assessment);

***nigroapicalis***.--(AF: AF) Madagascar.

*Eumerus nigroapicalis* Keiser 1971: 308. Type-locality:  
Madagascar, Central Plateau, Ambalamanakana (Fia.) (HT  
M MNHN Paris [Keiser]). Smith & Vockeroth 1980: 498  
(catalog citation); Dirickx 1998: 44 (catalog  
citation); Whittington 2004: 592 (citation, fauna  
assessment).

***nigrocoeruleus***.--(AF: AF) Kenya, South Africa

*Eumerus nigrocoeruleus* Hull, 1964: 484. Type-locality:  
Kenya. Mt Kirinyaga (T A ZIL). Smith & Vockeroth 1980:  
498 (catalog citation); Dirickx 1998: 45 (catalog  
citation); Whittington 2004: 592 (citation, fauna  
assessment);

***nodosus***.--(AF: AF) South Africa

*Eumerus nodosus* Hull, 1964: 491. Type-locality: South  
Africa. Cap, Matjiesfontein (T ♂ ZIL). Smith &  
Vockeroth 1980: 498 (catalog citation); Dirickx 1998:  
45 (catalog citation); Whittington 2004: 592 (citation,  
fauna assessment);

***obliquus***.--(AF: AF) Comoros, Madagascar, Mauritius, Réunion;  
widespread afrotropics.

*Milesia obliqua* Fabricius 1805: 194. Type-locality: "Guinea"  
(T M ZMUC). Zimsen 1964: 473 (1 type in Copenhagen).  
*Eumerus obliquus*. Wiedemann 1830: 112 (diagnosis, descr.);  
Loew 1860: 369 (syn., descr., syn. *cilitarsis* Loew);  
Verrall 1898: 422 ( ); Beazzi 1901: 16 ( ), 1908: 34  
( ), 1912: 442 ( ), 1915: 116 (key ref.,  
diagnosis, distribution), 1921: 19 ( ), 1923: 348  
( ); Ricardo 1903: 370 ( ); Kertész 1910: 316 (catalog  
citation); Hervé-Bazin 1913: 84 ( ); Brunetti 1926:  
166 ( ); Curran & Bryan 1926: 82 ( ); Curran 1927:

48 ( ); Sziláday 1942: 91 ( ); Doesburg 1955: 359 ( ); Orian 1962: 13 (Mauritius); Hull 1964: 465 (key ref.); Keiser 1971: 309 (descr. notes, Madagascar); Smith & Vockeroth 1980: 498 (catalog citation); De Meyer et al. 1990: 569 (Comoros); Dirickx 1998: 45 (catalog citation); Kassebeer 2000a: 57 (Réunion); Barkemeyer 2002: 20 (Cape Verde Is.); Whittington 2004: 592 (citation, fauna assessment).

*Citabaena obliqua*. Curran 1938a: 13 (key ref., distribution records).

*Eumerus cilitarsis* Loew, 1848: 120. Type-locality: Austria (T A UNKNOWN). Syn. Loew 1860: 369.

***obscurus***--(AF: AF) South Africa

*Eumerus obscurus* Hull, 1964: 467. Type-locality: South Africa (T A ZIL). Smith & Vockeroth 1980: 498 (catalog citation); Dirickx 1998: 45 (catalog citation); Whittington 2004: 592 (citation, fauna assessment);

***obtusiceps***--(AF: AF) Kenya

*Eumerus obtusiceps* Hull, 1937: 16. Type-locality: Kenya (HT ♂ MCZ). Smith & Vockeroth 1980: 398 (catalog citation); Dirickx 1998: 46 (catalog citation); Whittington 2004: 592 (citation, fauna assessment);

***ochreatus***--(AF: AF) South Africa

*Eumerus ochreatus* Hull, 1964: 493. Type-locality: South Africa. Cap, Katberg (HT A NRS). Smith & Vockeroth 1980: 498 (catalog citation); Dirickx 1998: 46 (catalog citation); Whittington 2004: 592 (citation, fauna assessment);

***parasiticus***--(AF: AF) Maurutania

*Paragus parasiticus* Seguy, 1955: 162. Type-locality: Maurutania. Atar (T A MNHNP).

*Eumerus parasiticus*. Smith & Vockeroth 1980: 498 (catalog citation); Dirickx 1998: 46 (catalog citation); Whittington 2004: 592 (citation, fauna assessment);

***paulae***--(AF: AF) Zaire, Cameroun, Kenya, Malawi, Nigeria

*Eumerus paulae* Hervé-Bazin, 1913: 79. Type-locality: Zaire (T A MNHNP). Hervé-Bazin 1914: 482 ( ); Bezzi 1915: 111 ( ), 1923: 348 ( ); Curran 1927: 48 ( ); Szilády 1942: 91 ( ); Doesburg 1955: 361 ( ); Hull 1964: 463 ( ); Smith & Vockeroth 1980: 498 (catalog citation); Dirickx 1998: 46 (catalog citation); Whittington 2004: 592 (citation, fauna assessment);

*Citabaena paulae*. Curran 1938: 14 ( ).

***pipizoides***--(AF: AF) Cameroun, South Africa

*Eumerus pipizoides* Speiser, 1915: 95. Type-locality: Cameroun. Doesburg 1955: 360 ( ); Smith & Vockeroth 1980: 498 (catalog citation); Dirickx 1998: 46 (catalog

citation); Whittington 2004: 592 (citation, fauna assessment);

***platycheiroides***--(AF: AF) Madagascar.

*Eumerus platycheiroides* Keiser 1971: 310. Type-locality: Madagascar, Nosy Mitsio (HT M MNHN Paris [Keiser]). Smith & Vockeroth 1980: 499 (catalog citation); Dirickx 1998: 47 (catalog citation); Whittington 2004: 592 (citation, fauna assessment).

***pumilio***--(AF: AF) South Africa

*Eumerus pumilio* Hull, 1964: 465. Type-locality: South Africa (T A ZIL). Smith & Vockeroth 1980: 499 (catalog citation); Dirickx 1998: 47 (catalog citation); Whittington 2004: 592 (citation, fauna assessment);

***quadrimaculatus***--(AF: AF) South Africa, Malawi, Zaire

*Eumerus quadrimaculatus* Macquart, 1855: 111. Type-locality: South Africa. Kertész 1910: 318 (catalog citation); Bezzi 1912: 439 ( ), 1915: 115 ( ); Hervé-Bazin 1913: 78 ( ); Smith & Vockeroth 1980: 499 (catalog citation); Dirickx 1998: 47 (catalog citation); Whittington 2004: 592 (citation, fauna assessment);

***rubidus***--(AF: AF) South Africa

*Eumerus rubidus* Hull, 1964: 480. Type-locality: South Africa (T A ZIL). Smith & Vockeroth 1980: 499 (catalog citation); Dirickx 1998: 47 (catalog citation); Whittington 2004: 592 (citation, fauna assessment);

***rubiginosus***--(AF: AF) Zaire, South Africa

*Eumerus rubiginosus* Herve-Bazin, 1913: 74. Type-locality: Zaire (T A MNHNP). Doesburg 1955: 361 ( ); Smith & Vockeroth 1980: 499 (catalog citation); Dirickx 1998: 47 (catalog citation); Whittington 2004: 592 (citation, fauna assessment);

***rudebecki***--(AF: AF) South Africa

*Eumerus rudebecki* Hull, 1964: 475. Type-locality: South Africa (T A ZIL). Smith & Vockeroth 1980: 499 (catalog citation); Dirickx 1998: 48 (catalog citation); Whittington 2004: 595 (citation, fauna assessment);

***rufipes***--(AF: AF) Zaire, Malawi

*Eumerus rufipes* Herve-Bazin, 1913: 81. Type-locality: Zaire (HT ♂ MNHNP). Smith & Vockeroth 1980: 499 (catalog citation); Dirickx 1998: 48 (catalog citation); Whittington 2004: 595 (citation, fauna assessment);

***sakarahaensis***--(AF: AF) Madagascar.

*Eumerus sakarahaensis* Keiser 1971: 311. Type-locality: Madagascar, West, Sakaraha (HT M MNHN Paris [Keiser]). Smith & Vockeroth 1980: 499 (catalog citation); Dirickx 1998: 48 (catalog citation); Whittington 2004: 592 (citation, fauna assessment).

**scaber**.--(AF: AF) Ghana, Zaire

*Eumerus scaber* Beazzi, 1915: 114. Type-locality: Ghana (T A BMNH). Curran 1927: 48 ( ); Smith & Vockeroth 1980: 499#Dirickx 1998: 48 (catalog citation); Whittington 2004: 592 (citation, fauna assessment);

**serratus**.--(AF: AF) Zimbabwe, Malawi, South Africa, Zaire

*Eumerus serratus* Beazzi, 1915: 111. Type-locality: Zimbabwe (T A BMNH). Hull 1964: 463 ( ); Smith & Vockeroth 1980: 499#De Meyer & Maragia 1933: 3 ( ); Dirickx 1998: 48 (catalog citation); Whittington 2004: 592 (citation, fauna assessment);

*Citabaena serratus*. Curran 1938: 11 ( ).

**sexfasciatus**.--(AF: AF) Somalia, South Africa

*Megatrigon sexfasciatus* Johnson, 1898: 160. Type-locality: Somalia (T A ANSP). Kertész 1910: 281 (catalog citation);

*Eumerus sexfasciatus*. Smith & Vockeroth 1980: 499 (catalog citation); Dirickx 1998: 49 (catalog citation); Whittington 2004: 592 (citation, fauna assessment);

*Eumerus nivalis* Hull, 1964: 485. Type-locality: South Africa (T A ZIL). Syn. Smith & Vockeroth 1980: 499.

**signatus**.--(AF: AF) Madagascar.

*Eumerus signatus* Keiser 1971: 313. Type-locality: Madagascar, East, Moramanga (Tam.) (HT M MNHN Paris [Keiser]). Smith & Vockeroth 1980: 499 (catalog citation); Dirickx 1998: 49 (catalog citation); Whittington 2004: 592 (citation, fauna assessment).

**speiseri**.--(AF: AF) South Africa, Tanzania

*Eumerus speiseri* Hull, 1964: 477. Type-locality: South Africa (T A ZIL). Smith & Vockeroth 1980: 499 (catalog citation); Dirickx 1998: 49 (catalog citation); Whittington 2004: 592 (citation, fauna assessment);

**spinifer**.--(AF: AF) South Africa

*Eumerus spinifer* Doesburg, 1955: 366. Type-locality: South Africa (HT ♀ ). Smith & Vockeroth 1980: 499 (catalog citation); Dirickx 1998: 49 (catalog citation); Whittington 2004: 592 (citation, fauna assessment);

**subcaeruleus**.--(AF: AF) Madagascar.

*Eumerus subcaeruleus* Keiser 1971: 315. Type-locality: Madagascar, Maj., Ambato-Boeni (HT M MNHN Paris [Keiser]). Smith & Vockeroth 1980: 499 (catalog citation); Dirickx 1998: 49 (catalog citation); Whittington 2004: 592 (citation, fauna assessment).

**sudanus**.--(AF: AF) Sudan

*Citabaena sudanus* Curran, 1938: 11. Type-locality: Sudan (HT A AMNH).

*Eumerus sudanus*. Smith & Vockeroth 1980: 499 (catalog citation); Dirickx 1998: 50 (catalog citation); Whittington 2004: 592 (citation, fauna assessment);

**tessellatus**--(AF: AF) South Africa

*Eumerus tessellatus* Hull, 1964: 482. Type-locality: South Africa (T A ZIL). Smith & Vockeroth 1980: 499 (catalog citation); Dirickx 1998: 50 (catalog citation); Whittington 2004: 592 (citation, fauna assessment);

**toamasinaensis**--(AF: AF) Madagascar.

*Eumerus toamasinaensis* Keiser 1971: 315. Type-locality: Madagascar, East, Tamatave (Tam.) (HT M MNHN Paris [Keiser]). Smith & Vockeroth 1980: 499 (catalog citation); Dirickx 1998: 50 (catalog citation); Whittington 2004: 592 (citation, fauna assessment).

**triangularis**--(AF: AF) Zaire, Kenya, South Africa

*Eumerus triangularis* Herve-Bazin, 1913: 82. Type-locality: Zaire (T A MNHNP). Bezzi 1915: 115 ( ); Doesburg 1955: 361 ( ), 1955: 355 ( ); Hull 1964: 465 ( ); Smith & Vockeroth 1980: 499#Dirickx 1998: 50 (catalog citation); Whittington 2004: 592 (citation, fauna assessment);

**tridentatus**--(AF: AF) Madagascar.

*Eumerus tridentatus* Keiser 1971: 316. Type-locality: Madagascar, North, Joffreville (D.-S.) (HT M MNHN Paris [Keiser]). Smith & Vockeroth 1980: 499 (catalog citation); Dirickx 1998: 50 (catalog citation); Whittington 2004: 592 (citation, fauna assessment).

**tumidipes**--(AF: AF) Tanzania

*Eumerus tumidipes* Doesburg, 1966: 128. Type-locality: South Africa (HT ). Smith & Vockeroth 1980: 499#Dirickx 1998: 51 (catalog citation); Whittington 2004: 592 (citation, fauna assessment);

**unicolor**--(AF: AF) South Africa

*Eumerus unicolor* Loew, 1858: 377. Type-locality: South Africa (T NRS). Loew 1860: 369 ( ); Kertész 1910: 321 (catalog citation); Bezzi 1912: 440 ( ), 1921: 19 ( ); Hervé-Bazin 1913: 71 ( ); Doesburg 1955: 360 ( ); Smith & Vockeroth 1980: 499 (catalog citation); Dirickx 1998: 51Whittington 2004: 592 (citation, fauna assessment);

**vansonii**--(AF: AF) Zimbabwe

*Eumerus vansonii* Doesburg, 1955: 363. Type-locality: Zimbabwe (HT ♂ ). Smith & Vockeroth 1980: 499 (catalog citation); Dirickx 1998: 51 (catalog citation); Whittington 2004: 593 (citation, fauna assessment);

**varipennis**--(AF: AF) Comoros, Madagascar, Réunion; Mozambique, Uganda

- Citabaena varipennis* Curran 1938a: 10. Type-locality:  
Mozambique [as "Lourenco Marques"] (HT M BMNH (via Wainwright)).
- Eumerus varipennis*. Hull 1964: 463 (key ref.); Smith & Vockeroth 1980: 499 (catalog citation); De Meyer et al. 1990: 569 (Comoros); De Meyer & Maragia 1993: 3 ( ); Dirickx 1998: 51 (catalog citation, distr. map); Kassebeer 2000a: 57 (Réunion); Whittington 2004: 593 (citation, fauna assessment).
- Eumerus pictulipennis* Hull 1941: 324. Type-locality:  
Madagascar, Tamatave, Oriental Forest, vicinity of Fanovana, between Tamatave & Tananarive (HT M ANSP). Hull 1964: 463 (key ref.). Hull 1964: 463 ( ). Syn. Smith & Vockeroth 1980: 499.
- Eumerus semifuscus* Keiser 1971: 312. Type-locality:  
Madagascar, East, Ranomafana (Fia.) (HT M MNHN Paris [Keiser]). Syn. Smith & Vockeroth 1980: 499.
- vestitus**.--(AF: AF) Guinea-Bissau, Sudan
- Eumerus vestitus* Bezzia, 1912: 442. Type-locality:  
Guinea-Bissau (T ). Hervé-Bazin 1913: 71 ( ); Smith & Vockeroth 1980: 499 (catalog citation); Dirickx 1998: 52 (catalog citation); Whittington 2004: 593 (citation, fauna assessment);
- villeneuvei**.--(AF: AF) Zaire, South Africa
- Eumerus villeneuvei* Hervé-Bazin, 1913: 84. Type-locality:  
Zaire (T A MNHNP). Smith & Vockeroth 1980: 499 (catalog citation); Dirickx 1998: 52 (catalog citation); Whittington 2004: 593 (citation, fauna assessment);
- wainwrighti**.--(AF: AF) South Africa
- Citabaena wainwrighti* Curran, 1938: 9. Type-locality: South Africa (T A AMNH).
- Eumerus wainwrighti*. Doesburg 1955: 360 ( ); Smith & Vockeroth 1980: 499 (catalog citation); Dirickx 1998: 52 (catalog citation); Whittington 2004: 593 (citation, fauna assessment);

### **Genus *Lyneborgimyia* Doczkal & Pape**

*Lyneborgimyia* Doczkal & Pape 2009: 565. Type-species, *magnifica* Doczkal & Pape (original designation).

**magnifica**.--(AF: AF) Tanzania.

*Lyneborgimyia magnifica* Doczkal & Pape 2009: 565. Type-locality: Tanzania. Uzungwa Mts., Mwanihana Forest, above Sanje, 1650 m (HT ♂ ZMUC).

### **Genus *Merodon* Meigen**

*Merodon* Meigen 18 . Type-species,

***apimimus***.--(AF: AF) Malawi

*Merodon apimimus* Hull, 1944: 40. Type-locality: Malawi (T A BMNH). Smith & Vockeroth 1980: 499 (catalog citation); Dirickx 1998: 79 (catalog citation); Whittington 2004: 596 (citation, fauna assessment);

***bombiformis***.--(AF: AF) South Africa

*Merodon bombiformis* Hull, 1944: 42. Type-locality: South Africa (T ♂ BMNH). Stuckenbergh 1956: 219 ( ); Smith & Vockeroth 1980: 499 (catalog citation); Dirickx 1998: 79 (catalog citation); Whittington 2004: 596 (citation, fauna assessment);

***calcarata***.--(AF: AF) Africa

*Syrphus calcaratus* Fabricius, 1794: 301. Type-locality: Africa. [as "Zywan"] (T 1 ZMUC).

***cuthbertsoni***.--(AF: AF) Zimbabwe

*Merodon cuthbertsoni* Curran, 1939: 7. Type-locality: Zimbabwe (HT A AMNH). Smith & Vockeroth 1980: 499 (catalog citation); Dirickx 1998: 780 (catalog citation); Whittington 2004: 596 (citation, fauna assessment);

***edentulus***.--(AF: AF) South Africa

*Merodon edentulus* Macquart, 1855: 110. Type-locality: South Africa (T ♀ ). Curran 1939: 6 ( ); Smith & Vockeroth 1980: 499 (catalog citation); Dirickx 1998: 80 (catalog citation); Whittington 2004: 595 (citation, fauna assessment);

*Lampetia edentula*. Kertész 1910: 274 (catalog citation);

***melanocerus***.--(AF: AF) South Africa

*Merodon melanocerus* Bezzi, 1915: 101. Type-locality: South Africa. Transvaal, Piet Reief (T A BMNH). Smith & Vockeroth 1980: 499 (catalog citation); Dirickx 1998: 80 (catalog citation); Whittington 2004: 595 (citation, fauna assessment);

***multifasciatus***.--(AF: AF) South Africa

*Merodon multifasciatus* Curran, 1939: 8. Type-locality: South Africa. Johannesburg (HT ♀ AMNH). Smith & Vockeroth 1980: 499 (catalog citation); Dirickx 1998: 80 (catalog citation); Whittington 2004: 595 (citation, fauna assessment);

***nasicus***.--(AF: AF) Kenya, Ethiopia, Eritrea

*Merodon nasicus* Bezzi, 1915: 102. Type-locality: Kenya (HT ♂ BMNH). Smith & Vockeroth 1980: 499 (catalog citation); Dirickx 1998: 80 (catalog citation);

Whittington 2004: 595 (citation, fauna assessment);  
*Merodon nasutus* Hervé-Bazin 1914: 297 (nomen nudum)  
*Lampetia nasica*. Bezzi 1921: 9 ( ).

***planifacies***--(AF: AF) South Africa

*Merodon planifacies* Bezzi, 1915: 100. Type-locality: South Africa. Natal, Durban (HT ♂ BMNH). Smith & Vockeroth 1980: 499 (catalog citation); Dirickx 1998: 781 (catalog citation); Whittington 2004: 596 (citation, fauna assessment);

***pruni***--(PA)

???? *pruni*  
*Merodon pallidus* Macquart, 1842: 130. Type-locality: Iraq, Bagdad.

***stevensonii***--(AF: AF) Zimbabwe

*Merodon stevensoni* Curran, 1939: 7. Type-locality: Zimbabwe (HT A AMNH). Smith & Vockeroth 1980: 499 (catalog citation); Dirickx 1998: 781 (catalog citation); Whittington 2004: 596 (citation, fauna assessment);

Tribe Brachyopini

**Genus *Chrysogaster* Meigen**

*Chrysogaster* Meigen 1800: 32. Type-species, *Eristalis solstitialis* Fallén (subsequent designation by Coquillett 1910: 523). Suppressed by ICZN 1963: 339. Proposed without included species, first species included by Hendel (1908: 60).

*Chrysogaster* Meigen 1803: 274. Type-species, *Musca cemiteriorum* Linnaeus (subsequent designation by Drapiez 1837: 416)

*Melanogaster* Rondani 1857: 166. Type-species, *nubilis* Rondani (original designation)

*Crysogaster* Rondani 1865: 137. Misspelling.

*Chrisogaster* Rondani 1868: 569. Misspelling.

??*Ighboulomyia* Kassebeer 1999: 12. Type-species, *atlasi* Kassebeer (original designation).

***africana***--(AF: AF) South Africa

*Chrysogaster africana* Hull, 1944: 54. Type-locality: South Africa. Cap (HT ♂ BMNH). Smith & Vockeroth 1980: 496 (catalog citation); Dirickx 1998: 27 (catalog citation); Whittington 2004: 589 (citation, fauna assessment);

***apicalis***--(AF: AF) Tanzania

*Chrysogaster apicalis* Bezzi, 1920: 133. Type-locality: Tanzania. Kilimanjaro, Arusha (HT ♀ ). Smith &

Vockeroth 1980: 496 (catalog citation); Dirickx 1998: 27 (catalog citation); Whittington 2004: 589 (citation, fauna assessment);

**laevigata**.--(AF: AF) Ghana ??? Orthoneura

*Chrysogaster laevigata* Beazzi, 1915: 18. Type-locality: Ghana. Obuasi (HT ♀ BMNH). Smith & Vockeroth 1980: 496 (catalog citation); Dirickx 1998: 27 (catalog citation); Whittington 2004: 589 (citation, fauna assessment);

**ocularia**.--(AF: AF) Madagascar.

*Chrysogaster ocularia* Herve-Bazin 1914: 102 (habitus & head female\*). Type-locality: Madagascar, Tananarive (ST M F MNHNP). Doesburg 1957: 103 (Madagascar); Smith & Vockeroth 1980: 496 (catalog citation); Dirickx 1998: 27 (catalog citation); Whittington 2004: 589 (citation, fauna assessment).

Types taken in copula; male head missing.

**pilocapita**.--(AF: AF) South Africa

*Chrysogaster pilocapita* Hull, 1944: 55. Type-locality: South Africa. Cap, Ceres (HT ♂ BMNH). Smith & Vockeroth 1980: 496 (catalog citation); Dirickx 1998: 27 (catalog citation); Whittington 2004: 589 (citation, fauna assessment);

**poecilophthalma**.--(AF: AF) Ethiopia

*Chrysogaster poecilophthalma* Beazzi, 1908: 21. Type-locality: Ethiopia (ST ♂ ). Smith & Vockeroth 1980: 496 (catalog citation); Dirickx 1998: 28 (catalog citation); Whittington 2004: 589 (citation, fauna assessment);

**poecilops**.--(AF: AF) South Africa ?? Orthoneura

*Chrysogaster poecilops* Beazzi, 1915: 16. Type-locality: South Africa. Natal: Durban (HT ♂ BMNH). Smith & Vockeroth 1980: 496 (catalog citation); Dirickx 1998: 28 (catalog citation); Whittington 2004: 589 (citation, fauna assessment);

**proserpina**.--(AF: AF) South Africa

*Chrysogaster proserpina* Hull, 1944: 57. Type-locality: South Africa (HT ♂ BMNH). Smith & Vockeroth 1980: 496 (catalog citation); Dirickx 1998: 28 (catalog citation); Whittington 2004: 589 (citation, fauna assessment);

**quinquestriata**.--(AF: AF) Ethiopia

*Chrysogaster quinquestriata* Szilady, 1942: 92. Type-locality: Ethiopia (T ♂ MNM). Smith & Vockeroth 1980: 496 (catalog citation); Dirickx 1998: 28 (catalog

citation); Whittington 2004: 589 (citation, fauna assessment);

***spiloptera***.--(AF: AF) Ghana ??? Orthoneura

*Chrysogaster spiloptera* Beazzi, 1915: 16. Type-locality: Ghana. Obuasi (HT ♀ BMNH). Smith & Vockeroth 1980: 496 (catalog citation); Dirickx 1998: 28 (catalog citation); Whittington 2004: 589 (citation, fauna assessment);

#### **Genus *Myolepta* Newman**

*Myolepta* Newman 1838: 373. Type-species, *Musca luteola* Gmelin (monotypy).

References: Thompson 1974 (revision, key)

***africana***.--(AF: AF) Zaire

*Myolepta africana* Thompson, 1974: 329. Type-locality: Zaire (HT ♀ AMNH). Smith & Vockeroth 1980: 496 (catalog citation); Dirickx 1998: 102 (catalog citation); Whittington 2004: 598 (citation, fauna assessment);

***similis***.--(AF: AF) Uganda

*Myolepta similis* Thompson, 1974: 331. Type-locality: Uganda (HT ♀ CNC). Smith & Vockeroth 1980: 496 (catalog citation); Dirickx 1998: 102 (catalog citation); Whittington 2004: 598 (citation, fauna assessment);

***triangularis***.--(AF: AF) Zimbabwe

*Myolepta triangularis* Thompson, 1974: 332. Type-locality: Zimbabwe (HT ♀ NM). Smith & Vockeroth 1980: 496 (catalog citation); Dirickx 1998: 102 (catalog citation); Whittington 2004: 598 (citation, fauna assessment);

#### Tribe Milesiini

#### **Genus *Calcaretropidia* Keiser**

*Calcaretropidia* Keiser 1971: 296. Type-species, *madagascariensis* Keiser (original designation).

***androyensis***.--(AF: AF) Madagascar.

*Calcaretropidia androyensis* Keiser 1971: 299. Type-locality: Madagascar, South, Antanimora-Amboasary (Tul.) (HT M MNHN Paris [Keiser]). Smith & Vockeroth 1980: 506 (catalog citation); Dirickx 1998: 23 (catalog citation).

*Tropidia androyensis*. Whittington 2004: 603 (citation, fauna

assessment)

***madagascariensis***.--(AF: AF) Madagascar.

*Calcaretropidia madagascariensis* Keiser 1971: 297. Type-locality: Madagascar, East, Mananjary (Fia.) (HT M MNHN Paris [Keiser]). Hippa 1978: 28 (male genitalia\*, notes); Smith & Vockeroth 1980: 506 (catalog citation); Dirickx 1998: 24 (catalog citation).

*Tropidia madagascariensis*. Whittington 2004: 603 (citation, fauna assessment)

***pandani***.--(AF: AF) Madagascar.

*Calcaretropidia pandani* Keiser 1971: 300. Type-locality: Madagascar, East, Fénérive (Tam.) (HT M MNHN Paris [Keiser]). Smith & Vockeroth 1980: 506 (catalog citation); Dirickx 1998: 24 (catalog citation).

*Tropidia pandani*. Whittington 2004: 603 (citation, fauna assessment)

***tanalaorum***.--(AF: AF) Madagascar.

*Syritta tanalaorum* Keiser 1971: 290. Type-locality: Madagascar, East, Marofody (Fia.) (HT M MNHN Paris [Keiser]). Smith & Vockeroth 1980: 507 (catalog citation); Dirickx 1998: 137 (catalog citation); Whittington 2004: 602 (citation, fauna assessment).

*Calcaretropidia?* *tanalaorum*. Lyneborg & Barkemeyer 2005: ?????

Genus ***Syritta*** Le Peletier & Serville

*Syritta* Lepeletier & Serville 1828: 808. Type-species, *Musca pipiens* Linnaeus (monotypy).

*Coprina* Zetterstedt 1837: 35. Type-species, *Musca pipiens* Linnaeus (monotypy). Preocc. Robineau-Desvoidy 1830.

*Siritta* Rondani 1873: 293. Misspelling.

*Austrosyritta* Marnef 1967: 268. Type-species, *cortesi* Marnef (original designation) = *flaviventris* Macquart.

References. Curran 1939b: 3 (key); Lyneborg & Barkemeyer 2005 (revision).

***albopilosa***.--(AF: AF) Tanzania.

*Syritta albopilosa* Lyneborg & Barkemeyer, 2005: 162. Type-locality: Tanzania. Usangi, Pare Mts (HT M SMNS).

*vitripennis* in part of: Smith & Vockeroth 1980: 507 (catalog citation); Dirickx 1998: 137 (catalog citation);

***angulata***.--(AF: AF) Kenya, South Africa, Zimbabwe

*Syritta angulata* Lyneborg & Barkemeyer, 2005: 67. Type-locality: South Africa. Cape: Garden of Eden Forest,

East Knysna, 34 01 S 23 09 E (HT M NMP).

**austeni**.--(AF: AF) Sierra Leone.

*Syritta austeni* Bezz, 1915: 107. Type-locality: Sierra Leone. Freetown (ST A BMNH). Curran 1927: 58 ( ), 1939: 4 ( ); Smith & Vockeroth 1980: 507 (catalog citation); Dirickx 1998: 133 (catalog citation); Whittington 2004: 602 (citation, fauna assessment);

**barbata**.--(AF: AF) Zaire, Tanzania.

*Syritta barbata* Lyneborg & Barkemeyer, 2005: 122. Type-locality: Zaire. Tshibinda (HT M BMNH).

**breva**.--(AF: AF) Cameroon, Zaire, Ghana, Kenya, Uganda.

*Syritta breva* Lyneborg & Barkemeyer, 2005: 77. Type-locality: Cameroon. C. S. Yaounde (HT M ZMAN).

**bulbus**.--(AF: AF) Cameroun, Zaire, Ghana, Malawi, Zimbabwe

*Syritta bulbus* Walker, 1849: 553. Type-locality: Sierra Leona (HT ♂ BMNH). Loew 1860: 372 ( ); Kertész 1910: 309 (catalog citation); Speiser 1915: 95 ( ); Bezz, 1915: 106 ( ), 1921: 11 ( ); Curran 1939: 4 ( ); Doesburg 1955: 358 ( ); Smith & Vockeroth 1980: 507 (catalog citation); Dirickx 1998: 133 (catalog citation); Whittington 2004: 602 (citation, fauna assessment); Lyneborg & Barkemeyer 2005: 65 (key ref., descr., abdomen base\*, metafemur\*, Vertex\*, frons\*, MG\*, distr.)

*Syritta bulbulus* Speiser, 1913: 137. Type-locality: Zaire ( ). Hervé-Bazin 1914: 482 ( ); Smith & Vockeroth 1980: 507 (catalog citation); Whittington 2004: 602 (citation, fauna assessment); Syn. 1915: 95

**caboverdensis**.--(AF: AF) Cape Verde Is

*Syritta caboverdensis* Lyneborg & Barkemeyer, 2005: 184. Type-locality: Cape Verde Is., Santo Antao, Ribeiro Grande, 17 10.818 N 25 04.408 W (HT M UZMC).

**carbonaria**.--(AF: AF) Kenya, Tanzania

*Syritta carbonaria* Lyneborg & Barkemeyer, 2005: 179. Type-locality: Kenya. Ngong Forestry Station (HT M USNM).

**cerca**.--(AF: AF) Zaire

*Syritta cerca* Lyneborg & Barkemeyer, 2005: 85. Type-locality: Zaire. Kasongo (HT M MRAC).

**congoensis**.--(AF: AF) Zaire, Uganda

*Syritta congoensis* Lyneborg & Barkemeyer, 2005: 61. Type-locality: Zaire. Basoko (HT M MRAC).

**decora**.--(AF: AF) Mauritius, Réunion.

*Syritta decora* Walker 1849: 553. Type-locality: "----" (LT F BMNH design. Thompson 1988: 211). Kertész 1910: 309 (catalog citation); Smith & Vockeroth 1980: 507 (catalog citation); Thompson 1988: 211 (LT design.).

Dirickx 1998: 133 (catalog citation); Kassebeer 2000a: 63 (Réunion, note); Whittington 2004: 602 (citation, fauna assessment); Lyneborg & Barkemeyer 2005: 123 (key ref., descr., MG\*, distr.).  
not *decora* of Bezzi 1912: 439 (Gabon ["Zaire francese"], Lambaréné).

***dentata*.**--(AF: AF) South Africa

*Syritta dentata* Lyneborg & Barkemeyer, 2005: 89. Type-locality: South Africa. KwaZulu-Natal: Kosi Bay Nature Reserve (HT M NMP).

***dilatata*.**--(AF: AF) Madagascar.

*Syritta dilatata* Keiser 1971: 287. Type-locality: Madagascar, East, Mandromodromota (Fia.) (HT M MNHN Paris [Keiser]). Smith & Vockeroth 1980: 507 (catalog citation); Dirickx 1998: 134 (catalog citation); Whittington 2004: 602 (citation, fauna assessment); Lyneborg & Barkemeyer 2005: 194 (key ref., descr., male genitalia, distr.).

***divergata*.**--(AF: AF) Mozambique, Tanzania, South Africa, Zimbabwe  
*Syritta divergata* Lyneborg & Barkemeyer, 2005: 54.

Mozambique. Manica-Sofala Dist., Gorongoza Mountain (HT ).

***fasciata*.**--(AF: PA AF OR) Iran, Lebanon, Aldabra, Ethiopia, Guinea-bissau, Kenya, India

*Xylota fasciata* Wiedemann, 1830: 103. Type-locality: Sudan [as "Nubien"] (ST ♀ ZMHU).

*Syritta fasciata*. Loew 1860: 372 ( ); Verrall 1898: 421 ( ); Kertész 1910: 309 (catalog citation); Bezzi 1912: 438 ( ), 1914: 289 ( ), 1915: 106 ( ), 1921: 11 ( ), 1923: 348 ( ); Curran 1939: 4 ( ); Séguay 1952: 157 ( ); Doesburg 1955: 358 ( ); Smith & Vockeroth 1980: 507 (catalog citation); Dirickx 1998: 134 (catalog citation); Whittington 2004: 602 (citation, fauna assessment); Lyneborg & Barkemeyer 2005: 98 (key ref., descr., abdomen base\*, MG\*, distr.)

*Syritta abyssinica* Rondani, 1873: 282. Type-locality:

Eritrea. Adi-Caie (HT ♂ MCSN). Bezzi 1901: 16 ( ), 1908: 34 ( ); Kertész 1910: 308 (catalog citation); Curran 1939: 4 ( ); Hull 1941: 324 ( ); Doesburg 1955: 355 ( ); Smith & Vockeroth 1980: 507 (catalog citation); D132 (catalog citation); Whittington 2004: 602 (citation, fauna assessment); Syn. Lyneborg & Barkemeyer 2005: 98

*Syritta subtilis* Becker 1903: 89. Type-locality: Egypt. Luxor (LT ♂ ZMHU, Berlin design. Lyneborg & Barkemeyer 2005: 101). Kertész 1910: 312 (catalog citation); Lindner 1975: 131 ( ); Smith & Vockeroth 1980: 1980:

507 (catalog citation); Dirickx 1998: 137 (catalog citation); Whittington 2004: 602 (citation, fauna assessment); Syn. Lyneborg & Barkemeyer 2005: 98.

*Syritta fasciata subtilis*. Doesburg 1955: 358 ( ).

***flaviventris***--(AF: PA, NT, NE) Madagascar, Mauritius, Réunion; widespread Afrotropics, southern South America, northern Mexico, USA (Texas).

*Syritta flaviventris* Macquart 1842: 135 [75]. Type-locality: Senegal (HT M NMNH Paris). Loew 1860: 372 ( ); Schiner 1868: 367 ( ); Kertész 1910: 309 (catalog citation); Curran 1939a: 4 (key ref., distribution records); Doesburg 1955: 358 ( ); Hull 1964: 458 ( ); Keiser 1971: 289 (descr. note, Madagascar, Réunion); Smith & Vockeroth 1980: 507 (catalog citation); Claussen & Barkemeyer 1987: ???? (Cape Verde Is.); Dirickx 1998: 134 (catalog citation); Kassebeer 2000a: 63 (Réunion); Pérez-Bañon & Marcos-García 2000: ???? (biology, immatures); Barkemeyer 2002: 21 (Cape Verde Is.); Whittington 2004: 602 (citation, fauna assessment); Lyneborg & Barkemeyer 2005: 190 (key ref., descr., male genitalia, distr.).

*Syritta nigricornis* Macquart, 1842: 134. Type-locality: Egypt (ST M MNHNP).

*Syritta spinigera* Loew 1848: 331. Type-localities: Greece, islands; Italy, Sicily & Turkey, islands (ST M ZMHU). Loew 1858: 377 ( ), 1860: 373 ( ); Kertész 1910: 311 (catalog citation); Bezzi 1912: 438 ( ), 1915: 105 ( ), 1921: 11 ( ); Hervé-Bazin 1914: 298 ( ); Curran & Bryan 1926: 82 ( ); Hull 1941: 324 (Madagascar); Orian 1962: 14 (Mauritius).

*Syritta albifacies* Bigot 1859: 439. Type-locality: Madagascar (T M UMO). Bezzi 1908a: 18 (catalog citation, Madagascar); Kertész 1910: 309 (catalog citation). Syn. Smith & Vockeroth 1980: 507.

*Syritta aculeipes* Schiner 1868: 367. Type-locality: South Africa, Cap (HT M NMW). Bezzi 1908a: 18 (catalog citation, Madagascar), Bezzi 1915: 106 (key ref., Kenya); Kertész 1910: 309 (catalog citation); Curran 1939a: 4 (key ref., notes); Orian 1962: 14 (Mauritius). Syn. Smith & Vockeroth 1980: 507.

*Syritta spinigerella* Thomson, 1869: 502. Type-locality: St Helena (HT F NRS). Kertész 1910: 311 (catalog citation); Syn. Smith & Vockeroth 1980: 507.

*Syritta spiniferella*. Melliss 1875: 196 (mssp. ).

*Syritta armipes* Thomson, 1869: 503. Type-locality: South Africa. Cap (HT M NRS). Kertész 1910: 309 (catalog citation); Speiser 1910: 127 ( ). Syn. Smith & Vockeroth 1980: 507.

**fusca**. -- (AF: AF) South Africa

*Syritta fusca* Lyneborg & Barkemeyer, 2005: 59. Type-locality: South Africa. East Cape: Barkly East Dist., Lundeans Nek, 1925–2100 m (HT M NMP).

**hirta**. -- (AF: AF) Senegal, Liberia, Nigeria, Uganda, Zaire

*Syritta hirta* Curran, 1939: 5. Type-locality: Liberia. Monrovia (HT ♂ AMNH). Smith & Vockeroth 1980: 507Dirickx 1998: 135 (catalog citation); \$602 (citation, fauna assessment); Lyneborg & Barkemeyer 2005: 117 (key ref., descr., abdomen base\* vertex\* frons\* MG\*, distr.).

**hova**. -- (AF: AF) Madagascar; Kenya.

*Syritta hova* Lyneborg & Barkemeyer 2005: 188. Type-locality: Madagascar, Antananarivo, Lac Anosy (HT M ZMUC).

**incrassata**. -- (AF: AF) Zaire

*Syritta incrassata* Lyneborg & Barkemeyer, 2005: 83. Type-locality: Zaire. Bibi (HT M MRAC).

**lanipes**. -- (AF: AF) Zaire, Tanzania. Uganda

*Syritta lanipes* Bezzii, 1921: 11. Type-locality: Tanzania (T). Smith & Vockeroth 1980: 507 (catalog citation); Dirickx 1998: 135#Whittington 2004: 602 (citation, fauna assessment); Lyneborg & Barkemeyer 2005: 112 (key ref., descr. MG\* ♂mesotibia\*, Distr.).

**latitarsata**. -- (PA: PA AF) Namibia, Egypt

*Syritta latitarsata* Macquart, 1842: 135. Type-locality: Senegal ( ). Loew 1860: 372 ( ); Verrall 1898: 418 ( ); Kertész 1910: 309 (catalog citation); Curran 1939: 5 ( ); Smith & Vockeroth 1980: 507 (catalog citation); Dirickx 1998: 135 (catalog citation); Whittington 2004: 602 (citation, fauna assessment); Lyneborg & Barkemeyer 2005: 197 (key ref., descr., abdomen base\* vertical triangle\*, frons\*, metatarsus\*, MG\*, distr.).

**leona**. -- (AF: AF) Angola, Burundi, Cameroon, Zaire, Gambia, Ghana, Nigeria, Sierra Leone, South Africa, Uganda, Zambia

*Syritta leona* Lyneborg & Barkemeyer, 2005: 91. Type-locality: Zaire. Zaire de Lemba (HT M MRAC).

**leucopleura**. -- (AF: AF) Madagascar; Chad, Senegal & Gambia, south to South Africa.

*Helophilus sejunctus* Walker, 1849: 604. Type-locality: Senegal (HT F BMNH). Assumption of HT by Lyneborg & Barkameyer (2005: 216).

*Tubifera sejuncta*. Kertész 1910: 259 (catalog citation);

*Syritta seiuncta*. Speiser 1924: 51 ( ).

*Syritta sejuncta*. Smith & Vockeroth 1980: 507 (catalog citation); Dirickx 1998: 136 (catalog citation);

Whittington 2004: 602 (citation, fauna assessment); Lyneborg & Barkemeyer 2005: 216 (as dubious species close to *leucopleura*)

*Syritta leucopleura* Bigot 1859: 437. Type-locality: Madagascar (T F MNHN Paris). Bezzi 1908a: 18 (catalog citation, Madagascar); Kertész 1910: 309 (catalog citation); Whittington 2004: 602 (citation, fauna assessment); Lyneborg & Barkemeyer 2005: 141 (key ref., descr., male genitalia, distr.).

*Syritta tuberculifera* Keiser 1971: 291. Type-locality: Madagascar, East, Marofody (Fia.) (HT M MNHN Paris [Keiser]). Syn. Smith & Vockeroth 1980: 507 (under *nigrofemorata*), Lyneborg & Barkemeyer 2005: 141 (under *leucopleura*).

***londti***--(AF: AF) Natal

*Syritta londti* Lyneborg & Barkemeyer, 2005: 160. Type-locality: South Africa. Natal: Umtamvuna Nature Reserve (HT M NMP).

***longiseta***--(AF: AF) Cameroon, Zaire, Kenya, Liberia, Malawi, Mozambique, Nigeria, South Africa, Swaziland, Tanzania, Uganda

*Syritta longiseta* Lyneborg & Barkemeyer, 2005: 107. Type-locality: Uganda. Ankole, Kichwamba (HT M USNM).

***minuta***--(AF: AF) Zaire

*Syritta minuta* Lyneborg & Barkemeyer, 2005: 51. Type-locality: Zaire. Parc National de la Garamba (HT M MRAC).

***montana***--(AF: AF) Zaire, Uganda

*Syritta montana* Lyneborg & Barkemeyer, 2005: 174. Type-locality: Uganda. Kigezi Distr., Kanaba, 7,800 ft (HT M BMNH).

***natalensis***--(AF: AF) South Africa, Zimbabwe

*Syritta natalensis* Lyneborg & Barkemeyer, 2005: 181. Type-locality: South Africa. KwaZulu-Natal: Pietermaritzburg Botanical Garden (HT M NMP).

***nigrifemorata***--(AF: AF) Aldabra, Comoros, Mauritius, Réunion.

*Syritta nigrifemorata* Macquart 1842: 135 [75] (habitus\*, head\*). Type-locality: Mauritius (T MNHN, Paris). Loew 1860: 373 (citation, diagnosis); Bezz 1908a: 18 (catalog citation, Madagascar); 1915: 107 (diff. *austeni*); Kertész 1910: 309 (catalog citation); Curran 1939a: 4 (key ref.); Smith & Vockeroth 1980: 507 (catalog citation); De Meyer et al. 1990: 570 (Comoros); Dirickx 1998: 135 (catalog citation); Kassebeer 2000a: 64 (Réunion); Whittington 2004: 602 (citation, fauna assessment); Lyneborg & Barkemeyer

2005: 137 (key ref., descr., male genitalia, distr.).  
**pilosa**.--(AF: AF) Uganda

*Syritta pilosa* Lyneborg & Barkemeyer, 2005: 114. Type-locality: Uganda. Kampala (HT).

**rufa**.--(AF: AF) South Africa

*Syritta rufa* Lyneborg & Barkemeyer, 2005: 70. Type-locality: South Africa. Maputaland, St. Lucia, Gwalgwala Trail (HT M NMP).

**senegalensis**.--(AF: AF) Senegal

*Syritta senegalensis* Lyneborg & Barkemeyer, 2005: 63. Type-locality: Senegal. Ziguinchor, 15 km SW of, Etome (HT M UZMC).

**similis**.--(AF: AF) Zaire, Cameroon

*Syritta similis* Lyneborg & Barkemeyer, 2005: 87. Type-locality: Zaire. P. N. Albert, Moy ya Moto, 950 m (HT M MRAC).

**stigmatica**.--(AF: AF) Ethiopia, Kenya, Mozambique, Nigeria

*Syritta stigmatica* Loew, 1858: 377. South Africa. Cape of Good Hope (LT ♂ NRS design. Lyneborg & Barkemeyer 2005: 81). Loew 1860: 373 ( ); Kertész 1910: 312 (catalog citation); Bezzı 1915: 106 ( ), 1921: 11 ( ); Becker 1922: 813 (Kenya); Curran & Bryan 1926: 136 ( ); Séguy 1931: 119 ( ); Curran 1939: 4 ( ); Doesburg 1955: 355 ( ), 1955: 358 ( ); Hull 1964: 458 ( ); Doesburg & Doesburg 1976: 70 ( ); Smith & Vockeroth 1980: 507 (catalog citation); Dirickx 1998: 136 (catalog citation); Whittington 2004: 602 (citation, fauna assessment); Lyneborg & Barkemeyer 2005: 79 (key ref., descr., abdomen base\*, vertical triangle\*, metfemur\*, frons\* MG\*, distr.)

*Syritta pleuritica* Speiser, 1910: 127. Type-locality: Tanzania. Kilimandjaro (LT M NHRS design. Lyneborg & Barkemeyer 2005: 81).

**stuckenbergi**.--(AF: AF) South Africa

*Syritta stuckenbergi* Lyneborg & Barkemeyer, 2005: 56. Type-locality: South Africa. KwaZulu-Natal: Drakenberge, Royal National Park (HT M NMP).

**subtilis**.--(PA: PA AF) Kenya, Namibia, South Africa, Lebanon

*Syritta subtilis* Becker, 1903: 89. Type-locality: Egypt (T A ZMHU).

**tomentosa**.--(AF: AF) Cameroon, Zaire, Liberia, Nigeria

*Syritta tomentosa* Lyneborg & Barkemeyer, 2005: 72. Type-locality: Cameroon. Douala (HT M ZMAN).

**unicolor**.--(AF: AF) Cameroon, Zaire, Gabon, Uganda

*Syritta unicolor* Lyneborg & Barkemeyer, 2005: 75. Type-locality: Uganda. Entebbe (HT M CNC).

***vitripennis***.--(AF: AF) Tanzania

*Syritta vitripennis* Bigot, 1885: 248. Type-locality: South Africa. Cape of Good Hope (HT ♂ UMO). Kertész 1910: 312 (catalog citation); Smith & Vockeroth 1980: 507 (catalog citation); Dirickx 1998: 137 (catalog citation); Whittington 2004: 602 (citation, fauna assessment); Lyneborg & Barkemeyer 2005: 176 (key ref., descr., vertex\*, MG\*, distr.)

***vockerothi***.--(AF: AF) Zaire, Uganda

*Syritta vockerothi* Lyneborg & Barkemeyer, 2005: 120. Type-locality: Uganda. Entebbe (HT M CNC).

???? *Syritta abyssinica* of Hull 1941: 324 (Madagascar). This record is based on 2 ♀ from Fanovana. Needs to be re-checked. Lyneborg & Barkemeyer have *abyssinica* as a synonym of *fasciata* Wiedemann (as did Bezzi 1915: 106).

???? *indica* of Bezzi 1908a: 18 (Mauritius)

???? sp. nr. *lueinervis* of Orian 1962: 14 (Mauritius)

**Genus *Tropidia* Meigen**

*Tropidia* Meigen 1822: 346. Type-species, *Eristalis milesiformis* Fallén (subsequent designation by Curtis (1832: 401) = *scita* Harris.

***flavipicta***.--(AF: AF) Madagascar.

*Syritta flavipicta* Bigot 1859: 440. Type-locality: Madagascar (T M ???? Bigot). Bezzi 1908a: 18 (catalog citation, Madagascar); Kertész 1910: 309 (catalog citation).

*Tropidia flavipicta*. Smith & Vockeroth 1980: 508 (catalog citation); Dirickx 1998: 137 (catalog citation); Whittington 2004: 603 (citation, fauna assessment).

***incerta***.--(AF: AF) Madagascar.

*Tropidia incerta* Keiser 1971: 293. Type-locality: Madagascar, East, Ambili-Lemaitso (Tam.) (HT M MNHN Paris [Keiser]). Smith & Vockeroth 1980: 508 (catalog citation); Dirickx 1998: 138 (catalog citation); Whittington 2004: 603 (citation, fauna assessment).

***longa***.--(AF: AF) Madagascar; Cameroun, Nigeria

*Helophilus longus* Walker 1849: 604. Type-locality: Zaire (T M BMNH).

*Tubifera longus*. Kertész 1910: 256 (catalog citation).

*Tropidia longus*. Curran 1939a: 3 (descr. note).

*Tropidia longa*. Doesburg 1957: 108 (tax. notes, Madagascar biol. note, note on puparium); Smith & Vockeroth 1980: 508 (catalog citation); Dirickx 1998: 138 (catalog citation); Whittington 2004: 603 (citation, fauna assessment).

Doesburg => "élevé de larva capturée à l'aisselle d'une feuille de Ravenala. R. P."

**namorana**--(AF: AF) Madagascar.

*Tropidia namorana* Keiser 1971: 295. Type-locality: Madagascar, East, Vohiparara (Fia.) (HT M MNHN Paris [Keiser]). Smith & Vockeroth 1980: 508 (catalog citation); Dirickx 1998: 138 (catalog citation); Whittington 2004: 603 (citation, fauna assessment).

### **Genus Milesia Latreille**

**afra**--(AF: AF) Zaire, Uganda

*Milesia afra* Doesburg, 1955: 84. Type-locality: Zaire. Lulua, Kapanga [??? Shaba (HT ♀ KMMA, Tervuren)]. Smith & Vockeroth 1980: 507 (catalog citation); Hippa 1990: 57 (key ref., descr., abdomen\*, thorax\*, legs\*, wing\*, male & female genitalia\*); Dirickx 1998: 96 (catalog citation); Whittington 2004: 598 (citation, fauna assessment);

**arnoldi**--(AF: AF) Malawi, Zimbabwe, Transvaal

*Pogonosyrphus arnoldi* Malloch, 1932: 125. Type-locality: Zimbabwe. Chirinda Forest (HT ♂ BMNH, London). Doesburg 1955: 357 (????); Smith & Vockeroth 1980: 507 (catalog citation); *Milesia arnoldi*. Hippa 1990: 47 (key ref., descr., head\*, abdomen\*, legs\*, wing\*, male & female genitalia\*); Dirickx 1998: 96 (catalog citation); Whittington 2004: 598 (citation, fauna assessment);

**bequaerti**--(AF: AF) Zaire, Kenya.

*Pogonosyrphus bequaerti* Doesburg, 1955: 83. Type-locality: Zaire. Elisabethville (HT ♂ KMMA, Tervuren). Smith & Vockeroth 1980: 507 (catalog citation); *Milesia bequaerti*. Hippa 1990: 53 (key ref., descr., abdomen\*, thorax\*, legs\*, wing\*, male & female genitalia\*); Dirickx 1998: 96 (catalog citation); Whittington 2004: 598 (citation, fauna assessment);

**overlaeti**--(AF: AF) Zaire, Uganda

*Pogonosyrphus overlaeti* Doesburg, 1955: 81. Type-locality: Zaire. Lulua, Kapanga (HT ♂ KMMA, Tervuren). Smith & Vockeroth 1980: 507 (catalog citation);

*Milesia overlaeti*. Hippa 1990: 52 (key ref., descr., abdomen\*, thorax\*, legs\*, wing\*, male & female genitalia\*); Dirickx 1998: 97 (catalog citation); Whittington 2004: 598 (citation, fauna assessment);

***prolixa*.--(AF: AF) Nigeria**

*Milesia prolixa* Hippa, 1990: 55. Type-locality: Nigeria: SE State, Obudu CR (HT M CNC, Ottawa). Hippa 1990: 55 (key ref., descr., head\*, abdomen\*, legs\*, wing\*, male genitalia\*); Dirickx 1998: 97 (catalog citation); Whittington 2004: 598 (citation, fauna assessment);

**Genus *Syrittosyrphus* Hull**

***opacea*.--(AF: AF) South Africa**

*Syrittosyrphus opacea* Hull, 1944: 203. Type-locality: South Africa (HT A BMNH). Smith & Vockeroth 1980: 508 (catalog citation); Dirickx 1998: 137 (catalog citation); Whittington 2004: 603 (citation, fauna assessment);

Genus ***Xylota*** Meigen

*Zelima* Meigen 1800: 34. Suppressed by ICBN 1963: 339.

*Heliophilus* Meigen 1803: 273. Type-species, *Musca sylvarum* Linnaeus (monotypy).

*Xylota* Meigen 1822: 211. New name for *Heliophilus* Meigen.

*Hovaxylota* Keiser 1971: 279. Type-species, *setosa* Keiser (original designation).

Reference: Hippa 1978: 72 (descr., male genitalia, as a genus *Hovaxylota*), 1985a (revision as *Hovaxylota*; key, phylogeny), 1985b (notes).

**Subgenus *Hovaxylota* Keiser**

***hancocki*.--(AF: AF) Uganda, Zaire**

*Xylota hancocki* Curran, 1927: 350. Type-locality: Uganda, Nkokonjeru, 6000-7000 ft (HT M BMNH). Smith & Vockeroth 1980: 508 (catalog citation);

*Hovaxylota hancocki*. Hippa 1978: 74 (????), 1985: 515 (????), 1986: 100 (????); Dirickx 1998: 58 (catalog citation); Whittington 2004: 594 (citation, fauna assessment);

***heinrichi*.--(AF: AF) Tanzania**

*Hovaxylota heinrichi* Hippa, 1986: 98. Type-locality: Tanzania (HT ). Dirickx 1998: 59 (catalog citation); Whittington 2004: 594 (citation, fauna assessment);

***mimica***.--(AF: AF) Madagascar.

*Planes mimica* Hull 1941: 323. Type-locality: Madagascar, Tamatave, Oriental Forest, vicinity of Fanovana, between Tamatave & Tananarive (HT F ANSP).  
*Hovaxylota mimica*. Keiser 1971: 282 (descr., distr.); Hippa 1978: 74 (male genitalia\*), 1985a: 514 (key ref., phylogenetic reglationships); Dirickx 1998: 59 (catalog citation); Whittington 2004: 594 (citation, fauna assessment).  
*Xylota mimica*. Smith & Vockeroth 1980: 508 (catalog citation).

***neavei***.--(AF: AF) Malawi

*Hovaxylota neavei* Hippa, 1978: 134. Type-locality: Malawi. Mt. Mlanje, 6500 ft. (HT M BMNH). Hippa 1986: 97 ( ???? ); Dirickx 1998: 59 (catalog citation); Whittington 2004: 594 (citation, fauna assessment);  
*Xylota neavei*. Smith & Vockeroth 1980: 508 (catalog citation);

***perarmata***.--(AF: AF) Kenya

*Hovaxylota perarmata* Hippa, 1985: 514. Type-locality: Kenya. Kakamega Forest, 5200 ft (HT M BMNH). Dirickx 1998: 59 (catalog citation); Whittington 2004: 594 (citation, fauna assessment);

***planiformis***.--(AF: AF) Madagascar.

*Planes planiformis* Hull 1941: 322. Type-locality: Madagascar, Tamatave, Oriental Forest, vicinity of Fanovana, between Tamatave & Tananarive (HT F ANSP).  
*Hovaxylota planiformis*. Hippa 1978: 74 (citation), 1985a: 519 (key ref., phylogenetic relationships); Dirickx 1998: 59 (catalog citation); Whittington 2004: 594 (citation, fauna assessment).  
*Xylota planiformis*. Smith & Vockeroth 1980: 508 (catalog citation).  
*Hovaxylota malagasya* Keiser 1971: 280. Type-locality: Madagascar, Tam., Périnet (HT M MNHN Paris [Keiser]). Hippa 1978: 74 (citation); Smith & Vockeroth 1980: 506 (catalog citation). Syn. Hippa 1985a: 519.

***satyrus***.--(AF: AF) Madagascar.

*Hovaxylota rufipedoides* Keiser 1971: 283. Type-locality: Madagascar, Tam., Moramanga (HT F MNHN Paris [Keiser]). Hippa 1978: 74 (citation); Smith & Vockeroth 1980: 506.--(catalog citation). Syn. Hippa 1985: 515  
*Hovaxylota satyrus* Keiser 1971: 284. Type-locality: Madagascar, Central Plateau, Tam., Manjakatombo (HT M MNHN Paris [Keiser]). Hippa 1978: 74 (citation), 1985a: 515 (key ref. phylogenetic relationships); Smith & Vockeroth 1980: 506 (catalog citation); Dirickx 1998:

60 (catalog citation); Whittington 2004: 594 (citation, fauna assessment).

***setosa*.**--(AF: AF) Madagascar.

*Hovaxylota setosa* Keiser 1971: 286. Type-locality:

Madagascar, Central Plateau, Manjakatombo (Tan.) (HT M MNHN Paris [Keiser]). Hippa 1978: 74 (male genitalia\*), 1985a: 514 (key ref., phylogenetic relationships); Smith & Vockeroth 1980: 506 (catalog citation); Dirickx 1998: 60 (catalog citation); Whittington 2004: 594 (citation, fauna assessment).

***uluguruensis*.**--(AF: AF) Tanzania

*Hovaxylota uluguruensis* Hippa, 1978: 135. Type-locality:

Tanzania. Ulvguru Mts., 1500-1800 m (HT M CNC). Dirickx 1998: 60 (catalog citation); Whittington 2004: 594 (citation, fauna assessment);

***vulcana*.**--(AF: AF) Kenya

*Hovaxylota vulcana* Hippa, 1978: 136. Type-locality: Kenya,

Mt. Elgon, Kinotton Forest Sta. (HT M CNC). Dirickx 1998: 60 (catalog citation); Whittington 2004: 594 (citation, fauna assessment);

## Unplaced species

## Eristalines

**crassipes**.--(AF: AF) Island of Mossambique

*Eristalis crassipes* Loew, 1862: 16. Type-locality: Island of Mossambique (T F UNKNOWN).

## Syrphines

**notogramma**.--(AF: AF) Ethiopia

*Xanthogramma notogramma* Bezzi, 1908: 28. TL; Ethiopia (T ). Smith & Vockeroth 1980: 492 (citation; unplaced Syrphini)

*Syrphus notogramma*. Whittington 2004: 603 (citation, fauna assessment).

**schultzianus**.--(AF: AF) South Africa

*Syrphus schultzianus* Bezzi, 1908: 183. Type-locality: South Africa (T ). Smith & Vockeroth 1980: 492 (citation; unplaced Syrphini); Whittington 2004: 603 (citation, fauna assessment).

**bifasciata**.--(AF: AF) "Afrique"

*Sphaerophoria bifasciata* Macquart, 1850: 462. Type-locality: Africa (T ). Smith & Vockeroth 1980: 510 (citation; unplaced Syrphidae); Whittington 2004: 602 (citation, fauna assessment).

*Xanthogramma bifasciatum*. Kertész 1910: 151 (catalog citation);

## Misplaced species

*Volucella capensis* Schiner (1868: 357) described from "Cap" and

*Phalacromyia nigriceps* Schiner (1868: 355) also described from "Cap" are both Neotropical species of the genus *Copestylum*.