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NEAL L. EVENHUIS & THOMAS PAPE, EDITORS

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Maiamyia, a new replacement name for *Eugeniamyia* Maia, Mendonça Júnior & Romanowski, 1997 (Diptera: Cecidomyiidae)

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Abstract. The new replacement name *Maiamyia* Evenhuis, **nom**. **nov**. is proposed for *Eugeniamyia* Maia, Mendonça Júnior & Romanowski, 1997, preoccupied by *Eugeniamyia* Williston, 1882.

INTRODUCTION

Maia, Mendonça Júnior & Romanowski (1997) proposed the new genus-group name *Eugeniamyia* for a single new species of gall midge (*Eugeniamyia dispar*) associated with the plant *Eugenia uniflora* L. (Myrtaceae) in Brazil. A second species in the genus, also associated with *Eugenia uniflora* (*Eugeniamyia triangularis* Maia & Nava), was described a few years later (Maia & Nava, 2011). Unfortunately, the genus-group name *Eugeniamyia* is preoccupied in Diptera (Syrphidae) by *Eugeniamyia* Williston, 1882 (Williston 1882), which is currently a junior synonym of *Hammerschmidtia* Schummel, 1834 (as subgenus of *Brachyopa* Meigen, 1822) [*teste* Wirth *et al*. (1965: 593)]. To alleviate the homonymy, I here propose the new replacement name *Maiamyia* Evenhuis, **nom**. **nov**. to honor Valéria Cid Maia for her contributions to our knowledge of Cecidomyiidae in the Neotropics.

Family Cecidomyiidae
Subfamily Cecidomyiinae

Genus *Maiamyia* Evenhuis, **nom**. **nov**.

lsid:zoobank.org:pub:7BC408A9-3A73-466C-9FDB-883E5F03F7CA

Eugeniamyia Maia, Mendonça Júnior & Romanowski, 1997: 1087. Type species: *Eugeniamyia dispar* Maia, Mendonça Júnior & Romanowski, 1997, by original designation. [Preoccupied in Diptera (Syrphidae) by *Eugeniamyia* Williston, 1882.]

Maiamyia Evenhuis, **nom**. **nov**. (new replacement name for *Eugeniamyia* Maia, Mendonça Júnior & Romanowski, 1997). Type species: *Eugeniamyia dispar* Maia, Mendonça Júnior & Romanowski, 1997, automatic.

Resulting new combinations (original genus in parentheses):

Maiamyia dispar (Maia, Mendonça Júnior & Romanowsky, 1997), **comb**. **nov**. (*Eugeniamyia*).

Maiamyia triangularis (Maia & Nava, 2011), **comb**. **nov**. (*Eugeniamyia*).

ACKNOWLEDGMENT

Valéria Cid Maia is thanked for giving her consent to publish this new replacement name in her honor.

REFERENCES

Maia, **V**.**C**., **Mendonça Júnior**, **M**. **de & Romanowski**, **H**.**P**. 1997. *Eugeniamyia dispar* gen.n. and sp.n. (Diptera, Cecidomyiidae, Lasiopteridi) associated with *Eugenia uniflora* L. (Myrtaceae) in Brazil. *Revista Brasileira de Zoologia* **13**: 1087–1090.

Maia, **V**.**C**. **& Nava**, **D**.**E**. 2011. New gall midges (Diptera, Cecidomyiidae) associated with *Eugenia uniflora* and *Psidium cattleianum* (Myrtaceae). *Iheringia* (Série Zoologia) **101**(1–2): 69–74.

Williston, **S**.**W**. 1882. New or little-known genera of North American Syrphidae. *The Canadian Entomologist* **14**: 77–80.

Wirth, **W**.**W**., **Sedman**, **Y**.**S**. **& Weems**, **H**.**V**., **Jr**. 1965. Family Syrphidae, pp. 557–625. *In*: Stone, A., Sabrosky, C.W., Wirth, W.W., Foote, R.H. & Coulson, J.R., A catalog of the Diptera of America north of Mexico. *United States Department of Agriculture, Agricultural Handbook* **276**, iv +1696 pp.

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A new species, *Stenodiplosis tectori* (Diptera: Cecidomyiidae), from cheatgrass, *Anisantha tectorum* (Poaceae)

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Abstract. *Stenodiplosis tectori* Gagné and Perilla **n**. **sp**. is described.

INTRODUCTION

A new species of gall midge, *Stenodiplosis tectori* (Diptera: Cecidomyiidae), from Greece that feeds in seeds of cheatgrass, *Anisantha tectorum* (Poaceae), was described in Rector *et al*. (2021), which appeared in an electronic-only journal. Due to an oversight, the article was not registered in the Official Register of Zoological Nomenclature (ZooBank) and thus was not published for purposes of zoological nomenclature. In order to make the name available, a succinct, Code-compliant extract from that article is published here. For further details on the insect's morphology, molecular sequence, biology, and possible use for the biological control of cheatgrass in western North America, see Rector *et al*. (2021).

Stenodiplosis tectori Gagné and Perilla, **new species**

lsid:zoobank.org:act:2F1A67BB-0888-4E63-9302-3812B8099D36

Diagnosis. *Stenodiplosis tectori* is distinct and readily separated from all 12 previously described congeners by the presence in the larva of a spatula, in the female of an elongate pair of basal cercal setae that are at least ¾ the length of the cerci, and, in both sexes, by the acropods that are only about one-third the length of that of the fifth tarsomeres.

Type material: Holotype, male, Maroneia, Greece, 40.87° 25.53°, 30-IV-2019, emerged V-2019, B. G. Rector, deposited in the National Museum of Natural History in Washington, DC , USA. Paratypes, 7 males, 11 females, 3 larvae, same data as holotype. Other specimens examined: 6 females on SEM stubs, same data as holotype.

Etymology. The species name is the genitive singular of *tectorum*, the specific epithet of the host plant.

REFERENCE

Rector, **B**.**G**., **Gagné**, **R**.**J**., **Perilla López**, **J**.**M**., **Tonkel**, **K**.**C**., **Bon**, **M**.**-C**., **Guermache**, **F**. **& Cristofaro**, **M**. 2021. Taxonomic description of *Stenodiplosis tectori* n. sp. (Diptera: Cecidomyiidae), a seed parasite of cheatgrass, *Anisantha tectorum*, based on morphological and mitochondrial DNA data. *Insects* **12**(8), 755: [1–11]. https://doi.org/10.3390/insects12080755.

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Systema Dipterorum Nomenclatural Notes. II. Edited by Neal L. Evenhuis & Thomas Pape. *Bishop Museum Occasional Papers* 143: 5–10 (2022).

lsid:zoobank.org:pub:3FA264F0-7751-4EE3-9B2D-C37CDD7BCC4B

A new gall-midge genus and ten new species (Diptera: Cecidomyiidae) from succulent Aizoaceae in South Africa

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Abstract. *Ruschiola* Dorchin, **n**. **gen**. and ten new species are described: *Ruschiola succulenta* Dorchin & van Munster, **n**. **sp**., *R. attenuata* Dorchin & van Munster, n. sp., *R. cedarbergensis* Dorchin & van Munster, **n**. **sp**., *R. namaqua* Dorchin & van Munster, **n**. **sp**., *R. bubonis* Dorchin & van Munster, **n**. **sp**., *R. quagga* Dorchin & van Munster, **n**. **sp**., *R. timida* Dorchin & van Munster, **n**. **sp**., *R. furtiva* Dorchin & van Munster, **n**. **sp**., *R. leipoldtiae* Dorchin & van Munster, **n**. **sp**., and *R. celebrata* Dorchin & van Munster, **n**. **sp**.

INTRODUCTION

Dorchin *et al*. (2022) in an electronic-only journal described a new genus with ten new species, but due to an oversight, the article was not registered in the Official Register of Zoological Nomenclature (ZooBank) and thus is not published for the purposes of zoological nomenclature. In order to make the names available, a succinct, Code-compliant extract from that article is published here. For further details on morphology and biology, see Dorchin *et al*. (2022).

DEPOSITORIES OF MATERIAL

EMEUC: Essig Museum of Entomology, Berkeley, CA, USA.
SAMC: Iziko South African Museum, Cape Town, South Africa.
SMNHTAU: Steinhardt Museum of Natural History, Tel Aviv University, Israel.
ZFMK: Zoologisches Forschungsinstitut und Museum Alexander Koenig, Bonn, Germany.

Ruschiola Dorchin, **new genus**

lsid:zoobank.org:act:F42DC6A0-431C-4F8B-8B9B-1E3184E6CE95

Type species: *Ruschiola succulenta* Dorchin & van Munster, **new species**, by present designation.

Gender: Feminine.

Diagnosis: This is a medium- to large-sized lasiopterine genus, with tergites mostly covered by black scales except for a thin posterior line of white scales on each tergite. Flagellomere number is irregular within species, palpi are 1–2 segmented, vein R_{4+5} of the wing joins C at about ¾ of wing length, the ovipositor is of medium length and rather

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morphologically uniform among species, with well-developed lateral plates that lack a distinct aculeus. The pupae have well-developed antennal "horns" but no facial horns, and larvae have either a well-developed, bidentate spatula or a vestigial spatula. For more details and figures, see Dorchin *et al*. (2022: 9–12).

Etymology: The genus name combines the plant genus name *Ruschia* Schwantes (Aizoaceae) with the diminutive suffix 'ola'.

Ruschiola succulenta Dorchin & van Munster, **new species**

lsid:zoobank.org:act:7F98FC2A-9E34-4302-A1DA-14B84C870C40

Diagnosis: This species induces common, succulent leaf galls, 2–6 cm long. Antennal flagellomeres barrel-shaped, 11–15 in females, 11–12 in males. Palpus 2-segmented, segment 2 usually subtending segment 1. Empodia clearly longer than bend in claws. Lateral plate of female cercal segment sheathing about half height of rectangular apical lamella, bearing about 30 long, curved setae laterally and 8–10 erect, curl-like setae on distal half, followed by group of shorter, erect setae extending to apical lamella. Gonocoxite of male terminalia widest at mid length; mediobasal lobe much shorter than wide, truncate aedeagus pointed anteriorly in lateral view. Gonostylus widest at proximal third, ending with wide apical claw. Hypoproct either entire, truncate or with shallow apical depression. Larval spatula with long, narrow shaft and two rounded teeth, on each side with four lateral papillae. Pupal antennal bases form straight horns, parallel-sided medially.

Host plants: *Ruschia caroli* (L.Bolus) Schwantes, *R. pungens* (A. Berger) H. Jacobsen, *Lampranthus haworthii* (Donn ex Haw.) N.E.Br.

Etymology: The species epithet is a Latin adjective, referring to the typical succulent, sausage-like galls induced by this species.

Type material: HOLOTYPE: ♀, South Africa, Western Cape, Karoo Desert National Botanical Garden, Worcester (33°36′33″S, 19°27′01″E), 20.ix.17, N. Dorchin, S. van Munster and C. Klak, ex leaf gall on *Ruschia caroli*. On permanent microscope slide in Euparal. Deposited in SAMC. PARATYPES: 6♀, 2♂, same data as holotype (1♀ ZFMK); 5♀, 4♂, Karoo Desert National Botanical Garden, Worcester, 25.viii.17, N. Dorchin, S. van Munster and C. Klak, ex *Ruschia caroli* (1♀ EMEUC); 2♀, 3♂, Karoo Desert National Botanical Garden, Worcester, 20.ix.17, N. Dorchin and S. van Munster, ex *Lampranthus haworthii*; 5♀, 1♂, Eilandia, Robertson, 15 km W, R60 (33°46′15″S, 19°44'53″E), 20.ix.17, N. Dorchin and S. van Munster, ex *Ruschia pungens*; 5♀, 4♂, Eilandia, Robertson, 15 km W, Rt60, 4.ix.18, N. Dorchin and S. van Munster, ex *Ruschia caroli*; 5♀, 4♂, Eilandia, Robertson, 15 km W, Rt60, 6.ix.2018, N. Dorchin and S. van Munster, ex *Ruschia pungens*; 1♀, Karoo Desert National Botanical Garden, Worcester, 27.iv.19, N. Dorchin, S. van Munster and C. Klak, ex *Ruschia caroli*; 2♀, 2♂, Karoo Desert National Botanical Garden, Worcester, 14.viii.19, N. Dorchin and S. van Munster, ex *Ruschia caroli*; 4♀, 2♂, Karoo Desert National Botanical Garden, Worcester, 14.viii.19, N. Dorchin and S. van Munster, ex *Lampranthus haworthii*; 1♀, Vrolijkheid Nature Reserve (33°55′04″S, 19°52′39″E), 15.viii.19, N. Dorchin, S. van Munster and C. Klak, ex *Ruschia caroli*.

Ruschiola attenuata Dorchin & van Munster, **new species**

lsid:zoobank.org:act:A62A2406-69D6-4119-AA90-322FA0439E30

Diagnosis: This species develops in inflated leaf galls, usually about 2 cm long and 0.5 cm wide. Antennal flagellomeres quadrate, about as long as wide, 11–15 in female, 11–12 in male. Palpus 2-segmented. Empodia as long as bend in claws. Lateral plate of ovipositor sheathing about quarter height of apical lamella. Pupal antennal bases form straight

horns, each split apically into longer lateral and shorter median tips. Larva not studied. Other characters similar to those of *R. succulenta*.

Host plant: *Mesembryanthemum splendens* L.

Etymology: The species epithet is Latin for plain or refined, referring to the thinner and less robust lateral plate of the ovipositor compared to that of other known *Ruschiola* species.

Type material: HOLOTYPE: ♀, South Africa, Western Cape, Van Wyksdorp (Watermill Farm) (33°43′50″S, 21°28′39″E), 26.iv.19, N. Dorchin, S. van Munster and C. Klak, ex leaf gall on *Mesembryanthemum splendens*. On permanent microscope slide in Euparal. Deposited in SAMC. PARATYPES: 5♀, 1♂, same data as holotype; 6♀, 1♂, Karoo Desert National Botanical Garden, Worcester, 14.viii.19, N. Dorchin, S. van Munster and C. Klak (1♀ EMEUC); 7♀, 7♂, Laingsburg, 34 km SE, R323 (33°22′52″S, 21°06′50″E), 5.ix.18, J.F. Colville and A. Melin (1♀, 1♂, ZFMK).

Ruschiola cedarbergensis Dorchin & van Munster, **new species**

lsid:zoobank.org:act:E3ABD113-2E26-4D33-8529-456B5632EFBB

Diagnosis: This species induces uncommon succulent, sausage-like leaf galls, usually 5–7 cm long. Antennal flagellomeres 12–14 in female, 11–12 in male. Palpus comprises one large segment, usually with vestigial second segment. Gonostylus widest at base, with constriction around mid-length, posterior margin almost straight rather than curved. Larval spatula about as long as wide, with short, wide shaft. Otherwise mostly similar to *R. succulenta*.

Host plants: *Ruschia cymosa* L.Bolus, *R. schollii* (Salm-Dyck) Schwantes, *R. cf. caroli*, *R. cf. cedarbergensis*.

Etymology: The species name refers to the distribution of this species, which is restricted to the Cedarberg region in the Western Cape of South Africa.

Type material: HOLOTYPE: ♂, South Africa, Western Cape, Bushmans Kloof Wilderness Reserve (32°06′22″S, 19°06′42″E), 8.viii.19, N. Dorchin and S. van Munster, ex leaf gall on *Ruschia cymosa*. On permanent microscope slide in Euparal. Deposited in SAMC. PARATYPES: 3♀, same data as holotype; 1♀, 1♂, Bushmans Kloof Wilderness Reserve, 14.ix.17, N. Dorchin and S. van Munster, ex. *Ruschia cf. caroli*; 3♀, 3♂, Travellers Rest (Wolfdrif), Cedarberg (32°01′47″S, 19°03′19″E), 11.ix.18, N. Dorchin and S. van Munster, ex. *Ruschia cymosa*; 3♀, 3♂, Bushmans Kloof Wilderness Reserve, 12.ix.18, N. Dorchin and S. van Munster, ex *Ruschia cf. cedarbergensis*; 1♀, 1♂, Bushmans Kloof Wilderness Reserve, 12.ix.18, N. Dorchin and S. van Munster, ex. *Ruschia cymosa*; 5♀, Heuningvlei Nature Reserve (32°09′59″S, 19°01′46″E), 13.ix.18, N. Dorchin and S. van Munster, ex *Ruschia schollii*; 7♀, 3♂, Bushmans Kloof Wilderness Reserve, 8.viii.19, N. Dorchin and S. van Munster, ex *Ruschia cf. caroli*; 3♀, 1♂, Bushmans Kloof Wilderness Reserve, 8.viii.19, N. Dorchin and S. van Munster, ex *Ruschia cymosa*; 4♀, 4♂, Travellers Rest (Wolfdrif), Cedarberg, 8.viii.19, N. Dorchin and S. van Munster, ex *Ruschia cf. caroli*.

Ruschiola namaqua Dorchin & van Munster, **new species**

lsid:zoobank.org:act:05E1157D-A235-4CF9-81F3-0B0062A92E32

Diagnosis: This species induced smooth, succulent, often reddish leaf galls, 3–4 cm long. Antennal flagellomeres 12–13 in female, 10–12 in male. Palpus usually 1-segmented, occasionally 2 -segmented. Larval spatula vestigial, irregularly pigmented. Other characters similar to those of *R. succulenta*.

Host plants: *Ruschia viridifolia* L.Bolus, *R. goodiae* L.Bolus.

Etymology: The species is named after the Namaqualand region of South Africa, to which its distribution is restricted. The name is a noun in apposition.

Type material: HOLOTYPE: ♀, South Africa, Northern Cape, Namaqua National Park (Skilpad Camp), (30°09′58″S, 17°46′09″E), 26.vii.19, N. Dorchin, S. van Munster and C. Klak, ex leaf gall on *Ruschia goodiae*. On permanent microscope slide in Euparal. Deposited in SAMC. PARATYPES: 9♀, 9♂, same data as holotype. 1♀, 1♂, Kamieskroon (30°12′00″S, 17°56′06″E), 9.viii.17, N. Dorchin, S. van Munster and C. Klak, ex *Ruschia viridifolia*; 10♀, 10♂, Grootvlei Pass, eastern base (30°12′53″S, 17°46′07″E), 10.viii.17, N. Dorchin, S. van Munster and C. Klak ex *Ruschia goodiae*; 12♀, 18♂, Kamieskroon, 26.vii.19, N. Dorchin and S. van Munster, ex *Ruschia viridifolia* (1♀, 1♂ ZMFK, 1♀, 1♂ EMEUC).

Ruschiola bubonis Dorchin & van Munster, **new species**

lsid:zoobank.org:act:05FFCBB8-910E-4E65-B7FF-D1E6B3C2BEBE

Diagnosis: This species develops in leaves without discernible gall formation. Antennal flagellomeres 12–14 in female, 11–13 in male. Palpus morphology variable, usually 2-segmented, occasionally 1-segmented. Aedeagus narrow, parallel-sided, hypoproct entire. Larval spatula absent. Pupal antennal bases widely separated, abruptly splayed from mid length. Other characters mostly similar to *R. succulenta*.

Host plants: *Jordaaniella spongiosa* (L.Bolus) H.E.K. Hartmann.

Etymology: The species epithet is the genitive singular of the Latin *bubo* (owl) – with reference to the shape of the pupal antennal bases, reminiscent of a horned owl.

Type material: HOLOTYPE: ♂, South Africa, Northern Cape, Namaqua National Park (coastal section), (30°24′40″S, 17°24′59″E), 28.viii.18, N. Dorchin, S. van Munster and C. Klak, ex *Jordaaniella spongiosa*. On permanent microscope slide in Euparal. Deposited in SAMC. PARATYPES: 4♀, 2♂, same data as holotype; 10♀, 3♂, Namaqua National Park (coastal section), 25.vii.19, N. Dorchin, S. van Munster and C. Klak.

Ruschiola quagga Dorchin & van Munster, **new species**

lsid:zoobank.org:act:B62D2692-F2AC-4E1F-845A-3121C5249A6B

Diagnosis: This species develops in succulent leaf galls, 2-3 cm long. Antennal flagellomeres 13 in female, unknown in male (no males with complete antennae were available). Palpus 1-segmented. Male hypoproct truncate apically. Larval spatula with long, narrow shaft and short teeth separated by shallow notch. Other characters similar to *R. succulenta*.

Host plants: *Ruschia holensis* L.Bolus.

Etymology: This species is named after the extinct South African subspecies of the Plains Zebra, the Quagga. The name is a noun in apposition.

Type material: HOLOTYPE: ♀, South Africa, Western Cape, Quaggaskop Farm, Knersvlakte Nature Reserve (31°24′59″S, 18°35′43″E), 26.viii.18, N. Dorchin, S. van Munster and C. Klak, ex leaf gall on *Ruschia holensis*. On permanent microscope slide in Euparal. Deposited in SAMC. PARATYPES: 7♀, 3♂, 2 larvae, 2 exuviae, same data as holotype.

Ruschiola timida Dorchin & van Munster, **new species**

lsid:zoobank.org:act:B4B8A5CD-E097-4359-9868-AAF2E89A5623

Diagnosis: This species develops in leaves without obvious gall formation. Antennal flagellomeres 13–14 in female, 10–12 in male. Palpus 1–2-segmented. Other characters similar to those of *R. succulenta*. Larva and pupa unknown.

Host plants: *Scopelogena bruynsii* Klak.

Etymology: The species name is a Latin adjective that refers to the lack of external signs of infestation on leaves and to the difficulty of locating this species

Type material: HOLOTYPE: ♀, South Africa, Western Cape, Travellers Rest, Clanwilliam (32°05′03″S, 19°05′24″E), 13.ix.18, N. Dorchin and S. van Munster, ex leaf of *Scopelogena bruynsii*. On permanent microscope slide in Euparal. Deposited in SAMC. PARATYPES: 6♀, 4♂, same data as holotype. 2♀, Travellers Rest, Clanwilliam, 15.ix.17, N. Dorchin and S. van Munster.

Ruschiola furtiva Dorchin & van Munster, **new species**

lsid:zoobank.org:act:F73E6F66-B64F-4610-9E9A-996C87B8E33E

Diagnosis: This species develops in leaves without external deformation other than a slight change of color from green to red. Antennal bases 12–13 in male, 11–12 in female. Palpus 1-segmented. Male hypoproct truncate. Other characters similar to those of *R. succulenta*. Larva unknown.

Host plants: *Ruschia dichroa* (Rolfe) L.Bolus.

Etymology: The species epithet is a Latin adjective for “hidden”, with reference to the lack of obvious signs of infestation in the leaves occupied by larvae.

Type material: HOLOTYPE: ♀, South Africa, Western Cape, Bushmans Kloof Wilderness Reserve (32°06′22″S, 19°06′42″E), 14.ix.17, N. Dorchin and S. van Munster, ex leaf gall on *Ruschia dichroa*. On permanent microscope slide in Euparal. Deposited in SAMC. PARATYPES: 4♀, 4♂, same data as holotype.

Ruschiola leipoldtiae Dorchin & van Munster, **new species**

lsid:zoobank.org:act:FB327D11-B5E7-4EC8-9931-C747509DBC34

Diagnosis: This species induces succulent, pinkish leaf galls, usually 2–3 cm long. Antennal flagellomeres 11–13 in female, 11–12 in male. Palpus 1–2-segmented, labella conspicuously elongate; frons with dense group of long hair-like setae. Distal margin of gonostylus almost straight. Pupal antennal bases separated by rectangular gap. Other characters as for *R. succulenta*.

Host plants: *Leipoldtia laxa* L.Bolus, *L. schultzei* (Schltr. and Diels) Friedrich.

Etymology: This species is named after its host-plant genus, *Leipoldtia*, which in turn is named after the famous South African doctor, poet and botanist C. Louis Leipoldt.

Type material: HOLOTYPE: ♂, South Africa, Northern Cape, Namaqua National Park (Skilpad camp) (30°09′58″S, 17♀°46′09″E), 21.vii.19, N. Dorchin, S. van Munster and C. Klak, ex leaf gall on *Leipoldtia schultzei*. On permanent microscope slide in Euparal. Deposited in SAMC. PARATYPES: 12♀, 12♂, same data as holotype; 17♀, 10♂, Springbok (29°40′53″S, 17°53′03″E), 5.viii.17, N. Dorchin, S. van Munster and C. Klak.

Ruschiola celebrata Dorchin & van Munster, **new species**

lsid:zoobank.org:act:28CC1A06-D27A-4DAD-B888-0FBD68BBC826

Diagnosis: This species develops in inflated leaf galls, where mostly the basal part of the leaf is occupied by the larval chambers. Antennal flagellomeres 12–15 in female, 11–12 in male. Palpus 1-segmented, fusiform. Pupal antennal bases with small proximal bulge. Other characters similar to those of *R. succulenta*. Larva unknown.

Host plants: *Mitrophyllum mitratum* (Marloth) Schwantes, *M. clivorum* (N.E.Br.) Schwantes.

Etymology: The species epithet is a Latin adjective for crowded, with reference to the large number of individuals developing in the same gall.

Type material: HOLOTYPE: ♀, South Africa, Northern Cape, Vyftienmyl se Berg Inselberg, Port Nolloth, 20 km E (29°14′41″S, 17°06′32″ E), 22.vii.19, N. Dorchin, S. van Munster and C. Klak, ex leaf gall on *Mitrophyllum clivorum*. On permanent microscope slide in Euparal. Deposited in SAMC. PARATYPE: 5♀, 3♂, same data as holotype. 7♀, same data as holotype, from *Mitrophyllum mitratum*.

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Reassessment of *Clytocerus* Eaton, 1904 (Diptera: Psychodidae) based on a recently discovered type species designation by Malloch in 1907, with a checklist of world species

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Abstract. The genus *Clytocerus* Eaton, 1904 and its subgenera are reassessed based on a recently-found type fixation by Malloch in 1907 that is earlier than that by Tonnoir in 1920. The results make the Holarctic subgenus *Boreoclytocerus* Duckhouse, 1978 congeneric with *Clytocerus* Eaton, 1904, **n**. **syn**. and the Afrotropical *Synseoda* Enderlein, 1937 is resurrected from synonymy with *Clytocerus* s. str. as a valid nominal subgenus, **n**. **stat**.

INTRODUCTION

Clytocerus Eaton is a genus of psychodid flies that occurs in the Holarctic and Afrotropical regions and currently comprising 39 species and 2 subgenera (Evenhuis & Pape 2022). In his paper on new European genera of Psychodidae, Eaton (1904: 59) proposed the genus *Clytocerus*, giving it a few diagnostic characters to make the name available there, but did not include any species. The proposal of the genus was at the end of his paper, which said "(to be continued)", as the Rev. Eaton had stated in his introduction he was to be away for a few months and would get back to this. He never did.

Hence, *Clytocerus* was proposed without included species. A type species would need to be designated from the first nominal species expressly included in the genus. It was believed that *Clytocerus* remained without a type species until Tonnoir (1920: 137) described the new species *Clytocerus africanus*, which would have made it the type species by subsequent monotypy. Although Eaton (1904) had intended his new genera in that work to be for European species, with Tonnoir's (1920) designation, the typical species of *Clytocerus* was instead Afrotropical. Where the type species originated was of no consequence since the genus was well-known throughout the Palaearctic, Africa, and North America. As such, this designation was followed in the regional Diptera catalogs for the Nearctic (Quate 1965), Afrotropical (Duckhouse *in* Duckhouse & Lewis 1980), and Palaearctic (Wagner 1991) regions.

Having a hunch that 16 years between a proposal of a fairly widespread genus and its first inclusion of species was a bit long, a search was initiated for a possible earlier inclusion of species and an earlier type species designation for *Clytocerus*. The results were the finding of two publications earlier than Tonnoir (1920) that included species in the genus. One was by Tonnoir (1919: 11) and included *Psychoda ocellaris* Meigen, 1818 and *P. dalii* Eaton, 1893 with the phrase "De même que les deux espèces précédentes [*ocellaris* and *dalii*] appartient au groupe pour lequel Eaton a proposé ... de former le genre *Clytocerus* caractérisé par le pinceau de poils ondulés sur le 3" articles des antennes du ". Since there were two included species, a type would have to be designated based on one of the two.

However, an even earlier inclusion of species in *Clytocerus* was found in Malloch (1907: 43), who discussed a list of psychodids found in Dumbartonshire [Scotland] in 1906.

In that work he simply listed a single species as "*Clytocerus *ocellaris,* Mg." [the asterisk indicating it was not on any previous list of Dumbartonshire species]. No other works were found earlier than Malloch that included species in *Clytocerus*. The result of this finding makes *Psychoda ocellaris* Meigen, 1818 the type species of *Clytocerus* Eaton, 1904 by subsequent monotypy, but doing so changes the status of some subordinate subgenera of *Clytocerus*.

Enderlein (1937: 92) proposed the nominal genus-group name *Synseoda* (also spelled *Synseodais*) for his new Afrotropical species, *Synseoda flavitarsis*. Duckhouse *in* Duckhouse & Lewis (1980: 95) treated this as a junior synonym of the nominate subgenus *Clytocerus*. Duckhouse (1975: 428) proposed the new subgenus *Notoclytocerus* for his new Afrotropical species *Clytocerus tauricornis*. This too was treated by Duckhouse *in* Duckhouse & Lewis (1980: 95) as a junior synonym of the nominate subgenus *Clytocerus*. A few years later, Duckhouse (1978: 307), in a review of Afrotropical non-phlebotomine psychodids, proposed the subgenus *Boreoclytocerus* for the Palaearctic species and designated *Psychoda ocellaris* Meigen, 1818 as the type species. As a result of the finding in this current study of *Psychoda ocellaris* being the type species of *Clytocerus* Eaton, *Boreoclytocerus* Duckhouse becomes its objective junior synonym, **n**. **syn**. The other consequence of the change in type species of *Clytocerus* is that the Afrotropical species are no longer in the nominate subgenus and are here moved to the next available name in synonymy, *Synseoda* Enderlein, 1937, which is here treated as a valid subgenus of *Clytocerus*, **n**. **stat**.

The checklist below summarizes the resulting allocations of species and current taxonomic status of the subgenera of *Clytocerus*. All species in the nominate subgenus are apparently restricted to the Holarctic region and the subgenus *Synseoda* is restricted to the Afrotropical region. Although not the initial intention of the type species search in this study, it is a nice happenstance that the current type species for *Clytocerus* brings the typical species back to Eaton's original intention of it being European.

CHECKLIST

Genus *Clytocerus* Eaton

Clytocerus Eaton, 1904: 59. Type species: *Psychoda ocellaris* Meigen, 1818, by subsequent monotypy (Malloch, 1907: 43).

Boreoclytocerus Duckhouse, 1978: 92 (as subgenus of *Clytocerus*). Type species: *Psychoda ocellaris* Meigen, 1818, by original designation. **New synonymy**.

Subgenus *Clytocerus* Eaton

aegeicus Vaillant, 1983: 352.

americana (Kincaid, 1901: 194) (*Pericoma ocellaris* var.).

variegata (Kincaid, 1899: 33) ((*Pericoma*) [preoccupied Macquart, 1826].

interrupta Banks, 1907: 150) (*Psychoda*).

satellitia Dyar, 1927: 163) (*Pericoma*).

crispus Vaillant, 1983: 347.

dalli (Eaton, 1893: 125) (*Pericoma*).

grusinicus Wagner, 1981: 48.

huminensis Krek, 1987: 198.

intermedius Sarà, 1951: 2.

kabylicus Wagner, 1987: 14.
longicorniculatus Krek, 1987: 195.
microlimnetes Curler & Moulton, 2012: 191.
ocellaris (Meigen, 1818: 105) (*Psychoda*).
variegata (Macquart, 1826: 167) (*Psychoda*).
orientalis Wagner, 1994: 80.
pulvereus Vaillant
pulvereus pulvereus Vaillant, 1983: 354
pulvereus balkanicus Vaillant, 1983: 355.
rivosus (Tonnoir, 1919: 11) (*Pericoma*).
saccai Sarà, 1953: 2.
siculus Sarà, 1953: 5.
sordescens Feuerborn, 1922: 83.
splendidus Ježek & Hájek, 2007: 244.
tetracorniculatus Wagner, 1978: 161.
thracicus Wagner & Koç, 2013: 157.
wollastoni Satchell, 1955: 107.
xylophilus Vaillant, 1983: 355.
zonzae Wagner, 1993: 408.

Subgenus *Synseoda* Enderlein

Synseoda Enderlein, 1937: 92 (as genus). Type species: *Synseoda flavitarsis* Enderlein, 1937, by original designation. **New status**.
Synseodais Enderlein, 1937: 90, 92 (incorrect original spelling of *Synseoda*) [First Reviser Neave (1950: 263).]
Synseodaid: Rapp & Cooper, 1945: 256 (misspelling of *Synseodais*).
Notoclytocerus Duckhouse, 1975: 428 (as subgenus of *Clytocerus*). Type species: *Clytocerus tauricornis* Duckhouse, 1975, by original designation.
africanus Tonnoir, 1920: 137.
cabonarius Tonnoir, 1939: 62.
chyuluensis Satchell, 1955: 62.
constrictus Duckhouse, 1975: 443.
corniculatus Duckhouse, 1975: 438.
divaricatus Duckhouse, 1975: 440.
duckhousei Wagner & Andersen, 2007: 303.
excelsior Duckhouse, 1987: 280.
fasciatus Tonnoir, 1939: 59.
flavitarsis Duckhouse, 1937: 59.
haeselbarthi Wagner, 1989: 186.
inaequalis Duckhouse, 1975: 433.
palliolatus Duckhouse, 1975: 441.
tauricornis Duckhouse, 1975: 431.
zuluensis Duckhouse, 1975: 434.

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Type species fixed under Article 70.3.2 of the *Code* for generic names in the Tachinidae (Diptera)

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Abstract. Fifty-three type species fixations under Article 70.3.2 of the *Code* (ICZN 1999) are listed for generic names in the Tachinidae (Diptera), of which the following 20 are new: (Dexiinae, Dexiini) *Bathydexia wulpii* Townsend, 1931 for *Bathydexia* Wulp, 1891 (genus *Bathydexia*); *Pachymyia macquartii* Townsend, 1916 for *Pachymyia* Macquart, 1844 (genus *Pachymyia*); (Rutiliini) *Chetogaster violacea* Macquart, 1851 for *Codium* Enderlein, 1936 (genus *Chetogaster* Macquart, 1851); *Rutilia setosa* Macquart, 1847 for *Psaroniella* Enderlein, 1936 and *Rutilia hirticeps* Malloch, 1929 for *Prosenostoma* Townsend, 1932 (genus *Rutilia* Robineau-Desvoidy, 1830); (Voriini) *Musca volvulus* Fabricius, 1794 for *Cerodesma* Enderlein, 1936 (genus *Phyllomya* Robineau-Desvoidy, 1830); *Morphomyia caliendrata* Rondani, 1862 for *Morphomya* Rondani, 1856 (genus *Stomina* Robineau-Desvoidy, 1830); *Dexia semipicta* Walker, 1852 for *Xanthodexia* Wulp, 1891 (genus *Xanthodexia*); (Exoristinae, Blondeliini) *Dexia anthracina* Meigen, 1826 for *Eumedoria* Townsend, 1916 (genus *Gastrolepta* Rondani, 1862); *Scopolia angusticornis* Loew, 1847 for *Anachaetopsis* Brauer & Bergenstamm, 1889 and for *Brachycoelia* Meade, 1892 (genus *Ligeria* Robineau-Desvoidy, 1863); *Ptilodegeeria lindigi* Townsend, 1931 for *Ptilodegeeria* Brauer & Bergenstamm, 1891 (genus *Ptilodegeeria*); *Zosteromyia braueri* Townsend, 1933 for *Zosteromyia* Brauer & Bergenstamm, 1891 (genus *Trigonospila* Pokorny, 1886); (Eryciini) *Cestonia cineraria* Rondani, 1861 for *Parerynnia* Brauer & Bergenstamm, 1889 (genus *Cestonia* Rondani, 1861); *Tachina fatua* Meigen 1824 for *Hemimasicera* Brauer & Bergenstamm, 1889 (genus *Erycia* Robineau-Desvoidy, 1830); (Goniini) *Tritaxys braueri* Hardy, 1938 for *Anamastax* Brauer & Bergenstamm, 1891 (genus *Anamastax*); (Phasiinae, Gymnosomatini) *Tachina pellucens* Fallén, 1820 for *Phanigaster* Lioy, 1864 (genus *Eliozeta* Rondani, 1856); (Tachininae, Polideini) *Engelomyia alpina* Townsend, 1931 for *Hystriciella* Engel, 1920 (genus *Hystricia* Macquart, 1844); (Tachinini) *Eujurinia jicaltepecia* Townsend, 1931 for *Eujurinia* Townsend, 1908 (genus *Jurinella* Brauer & Bergenstamm, 1889); *Neocuphocera nepos* Townsend, 1927 for *Myocuphocera* Townsend, 1931 (genus *Neocuphocera* Townsend, 1927). A previous type species fixation proposed under Article 70.3.2 for *Cyzenis* Robineau-Desvoidy, 1863 (a valid genus in the Exoristinae, Goniini) and later shown to be unnecessary is reviewed. As the First Reviser (Article 24.2.2 of the *Code*), *Aubaea* Robineau-Desvoidy, 1863a (a junior synonym of *Nemorilla* Rondani, 1856 in the Exoristinae, Winthemiini) is herein selected as the senior homonym over *Aubaea* Robineau-Desvoidy, 1863b (a junior synonym of *Cylindromyia* Meigen, 1803 in the Phasiinae, Cylindromyiini). Following this First Reviser action, no further action is taken under Article 70.3.2 of the *Code* to change the type species fixation by monotypy of the junior homonym *Aubaea* Robineau-Desvoidy, 1863b.

Key words: Nomenclature, taxonomy, Tachinidae

INTRODUCTION

Each genus-group name in zoology has actually or potentially a name-bearing type (i.e., a type species) that is fixed to provide "the objective standard of reference for the application of the name it bears" (Article 61.1 of the International Code of Zoological Nomenclature, ICZN 1999, henceforth the *Code*). This type species can be fixed in the original work by original designation, monotypy, absolute tautonymy or Linnaean tautonymy, or fixed in a later work by subsequent designation or subsequent monotypy. The type species can also be fixed by a ruling of the Commission.

Occasionally a type species fixation is based on a misidentified type species. In order to resolve this conflict between the named and intended type species, the *Code* (Article 70.3) allows an author to "fix as type species, the species that will, in his or her judgment, best serve stability and universality, either

70.3.1. the nominal species previously cited as type species [Arts. 68, 69], or

70.3.2. the taxonomic species actually involved in the misidentification. If the latter choice is made, the author must refer to this Article and cite together both the name previously cited as type species and the name of the species selected."

The standard practice in tachinid literature is to accept as type species "the taxonomic species actually involved in the misidentification", whether or not the provisions of Article 70.3.2 have been satisfied. The purpose of the present paper is to list all tachinid genus-group names founded on misidentified type species that are known to the author, and to formally fix the type species as the intended species under Article 70.3.2 for those names where this action has not yet been taken. This will maintain the concepts of these nominal genera as currently accepted.

The names below are arranged by subfamily and tribe according to the current world checklist (O'Hara *et al*. 2020) except as noted for Eutrixini. The valid generic name is given first in each entry followed by the available generic name for which a type species fixation has been made. A reference is cited for the present taxonomic interpretation of each misidentified type species for each new type species fixation herein. The country of the type locality of the name-bearing type is given for the type species at the end of each entry in square brackets.

TYPE SPECIES FIXATIONS OF TACHINIDAE UNDER ARTICLE 70.3.2

DEXIINAE, DEXIINI

Bathydexia Wulp, 1891

1. *Bathydexia* Wulp, 1891a: 222. Type species: **hereby fixed under Article 70.3.2 of the *Code*** as *Bathydexia wulpii* Townsend, 1931, misidentified as *Phorostoma appendiculata* Bigot, 1889 in the subsequent designation of Coquillett (1910: 513) (*teste* Guimarães 1971: 36) [Guatemala].

Pachymyia Macquart, 1844

2. *Pachymyia* Macquart, 1844a: 115 [1844b: 272]. Type species: **hereby fixed under Article 70.3.2 of the *Code*** as *Pachymyia macquartii* Townsend, 1916, misidentified as *Stomoxys vexans* Wiedemann, 1830 in the fixation by monotypy of Macquart (1844a) (*teste* Guimarães 1971: 37) [Brazil].

EUTRIXINI (*sensu* O'Hara *et al*. 2021: 52)

***Eutrixa* Coquillett, 1897**

3. *Eutrixa C*oquillett, 1897: 39, 72. Type species: *Clytiomyia exile* Coquillett, 1895, by fixation of O'Hara & Wood (2004: 45) under Article 70.3.2 of the *Code*, misidentified as *Tachina masurius* Walker, 1849 in the original designation of Coquillett (1897) [United States].

RUTILIINI

***Chetogaster* Macquart, 1851**

4. *Codium* Enderlein, 1936b: 417. Type species: **hereby fixed under Article 70.3.2 of the *Code*** as *Chetogaster violacea* Macquart, 1851, misidentified as *Rutilia oblonga* Macquart, 1847 in the original designation of Enderlein (1936b) (*teste* Cantrell & Crosskey 1989: 742) [Australia].

***Rutilia* Robineau-Desvoidy, 1830**

5. *Psaroniella* Enderlein, 1936b: 417. Type species: **hereby fixed under Article 70.3.2 of the *Code*** as *Rutilia setosa* Macquart, 1847, misidentified as *Rutilia castanipes* Bigot, 1880 in the original designation of Enderlein (1936b) (*teste* Cantrell & Crosskey 1989: 747) [Australia].

6. *Prosenostoma* Townsend, 1932: 39. Type species: **hereby fixed under Article 70.3.2 of the *Code*** as *Rutilia hirticeps* Malloch, 1929, misidentified as *Senostoma flavipes* Brauer & Bergenstamm, 1889 in the original designation of Townsend (1932) (*teste* Cantrell & Crosskey 1989: 746) [Australia].

VORIINI

***Campylocheta* Rondani, 1859**

7. *Campylocheta* Rondani, 1859: 157, 169. Type species: *Tachina praecox* Meigen, 1824, by fixation of O'Hara & Wood (2004: 18) under Article 70.3.2 of the *Code*, misidentified as *Tachina schistacea* Meigen, 1824 in the original designation of Rondani (1859) (*teste* Herting 1984: 148) [not given (Europe)].

***Phyllomya* Robineau-Desvoidy, 1830**

8. *Cerodesma* Enderlein, 1936a: 214. Type species: **hereby fixed under Article 70.3.2 of the *Code*** as *Musca volvulus* Fabricius, 1794, misidentified as *Tachina digramma* Meigen, 1824 in the original designation of Enderlein (1936a) (*teste* Herting 1984: 155, 192 [note 115]) [Italy].

***Stomina* Robineau-Desvoidy, 1830**

9. *Morphomya* Rondani, 1856: 83. Type species: **hereby fixed under Article 70.3.2 of the *Code*** as *Morphomyia caliendrata* Rondani, 1862, misidentified as *Musca tachinoides* Fallén, 1816 in the original designation of Rondani (1856) (*teste* Herting 1984: 157, 192 [note 116]) [Italy].

Xanthodexia Wulp, 1891

10. *Xanthodexia* Wulp, 1891a: 213, in key [1891b: 256, description]. Type species: **hereby fixed under Article 70.3.2 of the *Code*** as *Dexia semipicta* Walker, 1852, misidentified as *Tachina sericea* Wiedemann, 1830 in the fixation by subsequent monotypy of Wulp (1891b) (*teste* Guimarães 1971: 96) [Brazil].

EXORISTINAE, BLONDELIINI

Blondelia Robineau-Desvoidy, 1830

11. *Schaumia* Robineau-Desvoidy, 1863b: 43. Type species: *Tachina inclusa* Hartig, 1838, by fixation of O'Hara *et al*. (2009: 46) under Article 70.3.2 of the *Code*, misidentified as *Tachina bimaculata* Hartig, 1838 in the fixation by monotypy of Robineau-Desvoidy (1863b) [not given (Germany according to Herting 1984: 31)].

Gastrolepta Rondani, 1862

12. *Eumedoria* Townsend, 1916b: 12. Type species: **hereby fixed under Article 70.3.2 of the *Code*** as *Dexia anthracina* Meigen, 1826, misidentified as *Tachina digramma* Meigen, 1824 in the original designation of Townsend (1916b) (*teste* Herting 1984: 20) [not given (Europe)].

Ligeria Robineau-Desvoidy, 1863

13. *Anachaetopsis* Brauer & Bergenstamm, 1889: 106 [1890: 38]. Type species: **hereby fixed under Article 70.3.2 of the *Code*** as *Scopolia angusticornis* Loew, 1847, misidentified as *Tachina ocypterina* Zetterstedt, 1838 in the fixation by monotypy of Brauer & Bergenstamm (1889) (*teste* Herting 1984: 30) [Italy].

14. *Brachycoelia* Meade, 1892: 260 (junior homonym of *Brachycoelia* Waterhouse, 1881). Type species: **hereby fixed under Article 70.3.2 of the *Code*** as *Scopolia angusticornis* Loew, 1847, misidentified as *Tachina ocypterina* Zetterstedt, 1838 in the fixation by monotypy of Meade (1892) (*teste* Herting 1984: 30) [Italy].

Ptilodegeeria Brauer & Bergenstamm, 1891

15. *Ptilodegeeria* Brauer & Bergenstamm, 1891a: 375 [1891b: 71]. Type species: **hereby fixed under Article 70.3.2 of the *Code*** as *Ptilodegeeria lindigi* Townsend, 1931, misidentified as *Hypostena obumbrata* Wulp, 1890 in the fixation by monotypy of Brauer & Bergenstamm (1891a) (*teste* Guimarães 1971: 147) [Venezuela].

Vibrissina Rondani, 1861

16. *Microvibrissina* Villeneuve, 1911: 82. Type species: *Latreillia debilitata* Pandellé, 1896, by fixation of O'Hara *et al*. (2009: 56) under Article 70.3.2 of the *Code*, misidentified as *Degeeria muscaria* Meigen, 1824 in the fixation by monotypy of Villeneuve (1911) [France].

17. *Vibrissina* Rondani, 1861: 35. Type species: *Tachina turrita* Meigen, 1824, by fixation of O'Hara & Wood (2004: 109) under Article 70.3.2 of the *Code*, misidentified as *Frontina demissa* Meigen, 1838 in the original designation of Rondani (1861) [not given ("N Germany" according to Herting 1984: 33)].

***Trigonospila* Pokorny, 1886**

18. *Zosteromyia* Brauer & Bergenstamm, 1891a: 376 [1891b: 72]. Type species: **hereby fixed under Article 70.3.2 of the *Code*** as *Zosteromyia braueri* Townsend, 1933, misidentified as *Myobia cingulata* Macquart, 1851, in the original designation of Brauer & Bergenstamm, (1891a) (*teste* Cantrell & Crosskey 1989: 768) [Australia].

ERYCIINI

***Carcelia* Robineau-Desvoidy, 1830**

19. *Chetoliga* Rondani, 1856: 66. Type species: *Carcelia bombylans* Robineau-Desvoidy, 1830, by fixation of O'Hara *et al*. (2009: 60) under Article 70.3.2 of the *Code*, misidentified as *Tachina gnava* Meigen, 1824 in the original designation of Rondani (1856) [France].

***Cestonia* Rondani, 1861**

20. *Parerynnia* Brauer & Bergenstamm, 1889: 91, 161 [1890: 23, 93]. Type species: **hereby fixed under Article 70.3.2 of the *Code*** as *Cestonia cineraria* Rondani, 1861, misidentified as *Erynnia vibrissata* Rondani, 1861 in the fixation by monotypy of Brauer & Bergenstamm (1889) (*teste* Herting 1984: 61) [Italy].

***Erycia* Robineau-Desvoidy, 1830**

21. *Hemimasicera* Brauer & Bergenstamm, 1889: 87 [1890: 19]. Type species: **hereby fixed under Article 70.3.2 of the *Code*** as *Tachina fatua* Meigen 1824, misidentified as *Tachina ferruginea* Meigen, 1824 in the original designation of Brauer & Bergenstamm (1889) (*teste* Herting 1984: 60) [not given ("prb. Stolberg (Nordrhein, Germany)" according to Herting 1984: 61)].

***Prooppia* Townsend, 1926**

22. *Oppia* Robineau-Desvoidy, 1863a: 309 (junior homonym of *Oppia* Koch, 1835). Type species: *Hubneria nigripalpis* Robineau-Desvoidy, 1848, by fixation of O'Hara & Wood (2004: 137) under Article 70.3.2 of the *Code*, misidentified as *Carcelia fuscipennis* Robineau-Desvoidy, 1830 in the original designation of Robineau-Desvoidy (1863a) [France].

23. *Prooppia* Townsend, 1926: 32. Type species: *Hubneria nigripalpis* Robineau-Desvoidy, 1848, by fixation of O'Hara *et al*. (2009: 76) under Article 70.3.2 of the *Code*, misidentified as *Carcelia fuscipennis* Robineau-Desvoidy, 1830 in the original designation of Townsend (1926) [France].

EXORISTINI

***Chetogena* Rondani, 1856**

24. *Chetogena* Rondani, 1856: 68. Type species: *Salia rondaniana* Villeneuve, 1931, by fixation of O'Hara & Wood (2004: 145) under Article 70.3.2 of the *Code*, misidentified as *Tachina gramma* Meigen, 1824 in the original designation of Rondani (1856) [France].

***Exorista* Meigen, 1803**

25. *Ptilotachina* Brauer & Bergenstamm, 1891a: 350 [1891b: 46]. Type species: *Exorista florentina* Herting, 1975, by fixation of O'Hara *et al*. (2009: 94) under Article 70.3.2 of the *Code*, misidentified as *Tachina civilis* Rondani, 1859 in the fixation by monotypy of Brauer & Bergenstamm (1891a) [Italy].

***Parasetigena* Brauer & Bergenstamm, 1891**

26. *Parasetigena* Brauer & Bergenstamm, 1891a: 339, 401 [1891b: 35, 97]. Type species: *Duponchelia silvestris* Robineau-Desvoidy, 1863, by fixation of O'Hara & Wood (2004: 152) under Article 70.3.2 of the *Code*, misidentified as *Chetogena segregata* Rondani, 1859 in the fixation by monotypy of Brauer & Bergenstamm (1891a) [France].

***Phorocera* Robineau-Desvoidy, 1830**

27. *Setigena* Brauer & Bergenstamm, 1889: 94 [1890: 26]. Type species: *Tachina assimilis* Fallén, 1810, by fixation of O'Hara *et al*. (2009: 98) under Article 70.3.2 of the *Code*, misidentified as *Chetogena grandis* Rondani,1859 in the fixation by monotypy of Brauer & Bergenstamm (1889) [Sweden].

GONIINI

***Allophorocera* Hendel, 1901**

28. *Erycina* Mesnil, 1955: 439 (junior homonym of *Erycina* Lamarck, 1805). Type species: *Tachina ferruginea* Meigen, 1824, by fixation of O'Hara *et al*. (2009: 99) under Article 70.3.2 of the *Code*, misidentified as *Tachina rutila* Meigen, 1824 in the original designation of Mesnil (1955) [Germany].

***Anamastax* Brauer & Bergenstamm, 1891**

29. *Anamastax* Brauer & Bergenstamm, 1891a: 349 [1891b: 45]. Type species: **hereby fixed under Article 70.3.2 of the *Code*** as *Tritaxys braueri* Hardy, 1938, misidentified as *Blepharipeza goniaeformis* Macquart, 1846 in the fixation by monotypy of Brauer & Bergenstamm (1891a) (*teste* Cantrell & Crosskey 1989: 775) [Australia].

***Belvosia* Robineau-Desvoidy, 1830**

30. *Willistonia* Brauer & Bergenstamm, 1889: 97 [1890: 29]. Type species: *Willistonia aldrichi* Townsend, 1931, by fixation of O'Hara *et al*. (2021: 89) under Article 70.3.2 of the *Code*, misidentified as *Musca esuriens* Fabricius, 1805 in the fixation by monotypy of Brauer & Bergenstamm (1889) [Brazil].

***Eurysthaea* Robineau-Desvoidy, 1863**

31. *Discochaeta* Brauer & Bergenstamm, 1889: 104 [1890: 36]. Type species: *Erythrocera scutellaris* Robineau-Desvoidy, 1849, by fixation of O'Hara *et al*. (2009: 108) under Article 70.3.2 of the *Code*, misidentified as *Tachina muscaria* Fallén, 1810 in the fixation by monotypy of Brauer & Bergenstamm (1889) [France].

***Lydellina* Villeneuve, 1916**

32. *Lydellina* Villeneuve, 1916: 490. Type species: *Lydellina villeneuvei* Townsend, 1933, by fixation of O'Hara & Cerretti (2016: 142) under Article 70.3.2 of the *Code*, misidentified as *Masicera caffra* Macquart, 1846 in the fixation by monotypy of Villeneuve (1916) [South Africa].

***Masicera* Macquart, 1834**

33. *Masicera* Macquart, 1834a: 149 [1834b: 285]. Type species: *Phryxe pavoniae* Robineau-Desvoidy, 1830, by fixation of Evenhuis *et al*. (2016: 80) under Article 70.3.2 of the *Code*, misidentified as *Tachina silvatica* Fallén, 1810 by Macquart (1834a: 149, 1834b: 285) and in the subsequent designation of Robineau-Desvoidy (1863a: 872, 880) [France].

***Phryno* Robineau-Desvoidy, 1830**

34. *Eurigaster* Macquart, 1834a: 153 [1834b: 289]. Type species: *Tachina vetula* Meigen, 1824, by fixation of O'Hara *et al*. (2009: 114) under Article 70.3.2 of the *Code*, misidentified as *Tachina pallipes* Fallén, 1820 by Macquart (1834a: 153, 1834b: 289) and in the subsequent designation of Westwood (1840: 139) [Austria and an unnamed locality in original description; "W Europe" given in Herting 1984: 69].

***Sturmia* Robineau-Desvoidy, 1830**

35. *Oodigaster* Macquart, 1854: 397. Type species: *Tachina bella* Meigen, 1824, by fixation of O'Hara *et al*. (2009: 118) under Article 70.3.2 of the *Code*, misidentified as *Tachina doris* Meigen, 1824 in the original designation of Macquart (1854) [not given ("Stolberg (Nordrhein, Germany)" according to Herting 1984: 75)].

WINTHEMIINI

***Winthemia* Robineau-Desvoidy, 1830**

36. *Sericophoromyia* Austen, 1909: 95. Type species: *Tachina quadrata* Wiedemann, 1830, by fixation of O'Hara & Cerretti (2016: 159) under Article 70.3.2 of the *Code*, misidentified as *Tachina dasyops* Wiedemann, 1824 in the original designation of Austen (1909) [South Africa].

PHASIINAE, CYLINDROMYIINI

***Cylindromyia* Meigen, 1803**

37. *Ocypterodes* Townsend, 1916a: 631. Type species: *Ocyptera fumipennis* Bigot, 1878, by fixation of O'Hara & Wood (2004: 215) under Article 70.3.2 of the *Code*, misidentified as *Ocyptera euchenor* Walker, 1849 in the original designation of Townsend (1916a) [United States].

GYMNOSOMATINI

***Eliozeta* Rondani, 1856**

38. *Phanigaster* Lioy, 1864: 61. Type species: **hereby fixed under Article 70.3.2 of the *Code*** as *Tachina pellucens* Fallén, 1820, misidentified as *Musca helluo* Fabricius, 1805 in the fixation by monotypy of Lioy (1864, as "*helvola*", an unjustified emendation of *helluo* by Meigen, 1824: 277) (*teste* Herting 1984: 163) [Sweden].

LEUCOSTOMATINI

***Clairvillia* Robineau-Desvoidy, 1830**

39. *Clairvillia* Robineau-Desvoidy, 1830: 234. Type species: *Tachina biguttata* Meigen, 1824, by fixation of O'Hara & Wood (2004: 223) under Article 70.3.2 of the *Code*, misidentified as *Ocyptera pusilla* Meigen, 1824 in the fixation by monotypy of Robineau-Desvoidy (1830) [Germany].

TACHININAE, ERNESTIINI

***Cleonice* Robineau-Desvoidy, 1863**

40. *Cleonice* Robineau-Desvoidy, 1863a: 1097. Type species: *Tachina callida* Meigen, 1824, by fixation of O'Hara & Wood (2004: 334) under Article 70.3.2 of the *Code*, misidentified as *Tachina grisea* Fallén, 1810 in the original designation of Robineau-Desvoidy (1863a) [not given (Europe)].

***Hyalurgus* Brauer & Bergenstamm, 1893**

41. *Hyalurgus* Brauer & Bergenstamm, 1893a: 7, 48 [1893b: 95, 136]. Type species: *Tachina lucida* Meigen, 1824, by fixation of O'Hara & Wood (2004: 267) under Article 70.3.2 of the *Code*, misidentified as *Tachina crucigera* Zetterstedt, 1838 in the original designation of Brauer & Bergenstamm (1893a) [Sweden].

***Loewia* Egger, 1856**

42. *Fortisia* Rondani, 1861: 94. Type species: *Loewia nudigena* Mesnil, 1973, by fixation of Cerretti *et al*. (2014: 452) under Article 70.3.2 of the *Code*, misidentified as *Tachina foeda* Meigen, 1824 (as "*F. Phaeda* Wdm. Mgn. (non Macq.)") in the fixation by monotypy of Rondani (1861) [not given (Switzerland according to Cooper & O'Hara 1996: 47)].

LESKIINI

***Aphria* Robineau-Desvoidy, 1830**

43. *Plagiopsis* Brauer & Bergenstamm, 1889: 134 [1890: 66] (junior homonym of *Plagiopsis* Berg, 1883). Type species: *Aphria xyphias* Pandellé, 1896, by fixation of O'Hara *et al*. (2009: 152) under Article 70.3.2 of the *Code*, misidentified as *Tachina soror* Zetterstedt, 1844 in the fixation by monotypy of Brauer & Bergenstamm (1889, as "*soror* Egg.") [France].

***Bithia* Robineau-Desvoidy, 1863**

44. *Rhinotachina* Brauer & Bergenstamm, 1889: 135 [1890: 67]. Type species: *Tachina demotica* Egger, 1861, by fixation of O'Hara *et al*. (2009: 153) under Article 70.3.2 of the *Code*, misidentified as *Tachina sybarita* Meigen, 1838 in the fixation by monotypy of Brauer & Bergenstamm (1889) [Austria].

MACQUARTIINI

***Anthomyiopsis* Townsend, 1916**

45. *Ptilopsina* Villeneuve, 1920: 117. Type species: *Anthomyiopsis plagioderae* Mesnil, 1972, by fixation of O'Hara *et al*. (2009: 150) under Article 70.3.2 of the *Code*, misidentified as *Tachina nitens* Zetterstedt, 1852 in the fixation by monotypy of Villeneuve (1920) [Switzerland].

POLIDEINI

***Chrysotachina* Brauer & Bergenstamm, 1889**

46. *Chrysotachina* Brauer & Bergenstamm, 1889: 161 [1890: 93]. Type species: *Chrysotachina braueri* Townsend, 1931, by fixation of O'Hara & Wood (2004: 285) under Article 70.3.2 of the *Code*, misidentified as *Tachina reinwardtii* Wiedemann, 1830 in the fixation by monotypy of Brauer & Bergenstamm (1889, as "*T. Rheinwarti*") [Brazil].

***Hystricia* Macquart, 1844**

47. *Hystriciella* Engel, 1920: 311, 321 (as subgenus of *Bombyliomyia* Brauer & Bergenstamm, 1889) (junior homonym of *Hystriciella* Townsend, 1915). Type species: **hereby fixed under Article 70.3.2 of the *Code*** as *Engelomyia alpina* Townsend, 1931, misidentified as *Hystricia tarsata* Schiner, 1868 in the original designation of Engel (1920) (*teste* Guimarães 1971: 41) [Bolivia].

TACHININI

***Archytas* Jaennicke, 1867**

48. *Parafabricia* Brauer & Bergenstamm, 1894: 612 [1895: 76] (as subgenus of *Archytas* Jaennicke, 1867). Type species: *Parafabricia perplexa* Townsend, 1931, by fixation of O'Hara *et al*. (2021: 136) under Article 70.3.2 of the *Code*, misidentified as *Tachina bicolor* Wiedemann, 1830 by Brauer & Bergenstamm (1894: 612, 1895: 76) and in the subsequent designation of Coquillett (1910: 584) [Brazil].

49. *Tachinodes* Brauer & Bergenstamm, 1889: 133 [1890: 65]. Type species: *Jurinia metallica* Robineau-Desvoidy, 1830, by fixation of O'Hara *et al*. (2021: 135) under Article 70.3.2 of the *Code*, misidentified as *Musca hystrix* Fabricius, 1775 in the fixation by monotypy of Brauer & Bergenstamm (1889) [United States].

Jurinella Brauer & Bergenstamm, 1889

50. *Eujurinia* Townsend, 1908: 113. Type species: **hereby fixed under Article 70.3.2 of the *Code*** as *Eujurinia jicaltepecia* Townsend, 1931, misidentified as *Hystricia pollinosa* Wulp, 1888 in the fixation by monotypy of Townsend (1908) (*teste* Guimarães 1971: 56) [Mexico].

Neocuphocera Townsend, 1927

51. *Myocuphocera* Townsend, 1931: 168. Type species: **hereby fixed under Article 70.3.2 of the *Code*** as *Neocuphocera nepos* Townsend, 1927, misidentified as *Tachina macrocera* Wiedemann, 1830 in the original designation of Townsend (1931) (*teste* Guimarães 1971: 79, Evenhuis *et al*. 2015: 176) [Brazil].

Tachina Meigen, 1803

52. *Eularvaevora* Townsend, 1916c: 27. Type species: *Fabriciella ampliforceps* Rowe, 1931, by fixation of O'Hara & Wood (2004: 325) under Article 70.3.2 of the *Code*, misidentified as *Tachina algens* Wiedemann, 1830 in the original designation of Townsend (1916c) [Canada].

53. *Fabricia* Latreille, 1829: 510 (junior homonym of *Fabricia* Blainville, 1828). Type species: *Tachina ferox* Panzer, 1806, by fixation of O'Hara & Wood (2004: 325) under Article 70.3.2 of the *Code*, misidentified as *Musca fera* Linnaeus, 1761 in the fixation by monotypy of Latreille (1829) [Germany].

INVALID TYPE SPECIES FIXATION UNDER ARTICLE 70.3.2

O'Hara & Wood (2004: 169) invoked Article 70.3.2 of the *Code* to fix the type species of *Cyzenis* Robineau-Desvoidy (1863a: 544), writing:

> "***CYZENIS*** Robineau-Desvoidy, 1863a: 544. Type species: hereby fixed under Article 70.3.2 of ICZN (1999) as *Tachina albicans* Fallén, 1810, misidentified as *Phryno haemisphaerica* Robineau-Desvoidy, 1830, in the original designation by Robineau-Desvoidy (1863a)."

A later evaluation of the generic names of Robineau-Desvoidy in Evenhuis *et al*. (2010) determined that the type fixation of O'Hara & Wood (2004: 169) for *Cyzenis* was unnecessary. As explained in part (Evenhuis *et al*. 2010: 62):

> "The type species of *Cyzenis* was correctly cited as *Cyzenis haemisphaerica* [as "*hemisphaerica*"] by Herting & Dely-Draskovits (1993: 236) but O'Hara & Wood (2004: 169) overlooked the errata of Robineau-Desvoidy (1863b: 918) and cited *Phryno hemisphaerica* Robineau-Desvoidy, 1830 as the misidentified type species, then invoked ICZN *Code* Article 70.3.2 to fix *Tachina albicans* Fallén, 1810 as type species."

The corrected details for the valid generic name *Cyzenis* are as follows (Exoristinae, Goniini):

Cyzenis Robineau-Desvoidy, 1863a: 544. Type species: *Cyzenis haemisphaerica* Robineau-Desvoidy, 1863 (= *Tachina albicans* Fallén, 1810), by original designation (*teste* Evenhuis *et al*. 2010: 62) [France].

FIRST REVISER ACTION UNDER ARTICLE 24.2.2, NO ACTION NECESSARY UNDER ARTICLE 70.3.2

***Aubaea* Robineau-Desvoidy, 1863a & *Aubaea* Robineau-Desvoidy, 1863b**

The two volumes of Robineau-Desvoidy's *Histoire naturelle des diptères des environs de Paris* were published posthumously on the same day, 11 January 1863, according to the dating of Evenhuis *et al*. (2010: 232). These works are cited here as 1863a (Vol. 1) and 1863b (Vol. 2).

Robineau-Desvoidy described two different genera using the same name in each volume of his *Histoire naturelle des diptères des environs de Paris*: *Aubaea* Robineau-Desvoidy (1863a: 185) and *Aubaea* Robineau-Desvoidy (1863b: 182). The former is currently treated as a junior synonym of *Nemorilla* Rondani, 1856 (Exoristinae, Winthemiini) and the latter as a junior synonym of *Cylindromyia* Meigen, 1803 (Phasiinae, Cylindromyiini). The latter name was treated as preoccupied by the former in Evenhuis *et al*. (2010: 43), but the precedence of one name over the other was not established by a First Reviser action in that work nor in any earlier work. Article 24.2.2 of the *Code* does not distinguish between names "published on the same date in the same or different works" for the purposes of priority, and to formally maintain the priority as listed by Evenhuis *et al*. (2010), I hereby act as First Reviser and fix *Aubaea* Robineau-Desvoidy (1863a: 185) as senior homonym of *Aubaea* Robineau-Desvoidy (1863b: 182).

The other generic name, *Aubaea* Robineau-Desvoidy (1863b: 182), had been a candidate for action under Article 70.3.2 of the *Code*. The type species, fixed by monotypy as *Ocyptera interrupta* Meigen, 1824, was misidentified and the intended species was *Ocyptera pusilla* Meigen, 1824 (Herting 1974: 36). *Aubaea* Robineau-Desvoidy (1863b) is a junior homonym of *Aubaea* Robineau-Desvoidy (1863a) by the First Reviser action taken above and therefore permanently invalid. I follow Evenhuis *et al*. (2010: 44) in not invoking Article 70.3.2 of the *Code* "to fix the type species as *Ocyptera pusilla* Meigen, 1824 because *Aubaea* Robineau-Desvoidy, 1863b is preoccupied and there is no threat to nomenclatural stability."

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REFERENCES

A date of publication is given at the end of each citation in square brackets and is accompanied by a brief explanation of where it was found, as follows: OS stands for "original source" and if not accompanied by further details then the date is given in the work itself; OS followed by details in parentheses indicates that a date is given somewhere else in the same volume, perhaps in a wrapper of the issue, in the volume's table of contents, or on the last page of the issue or volume. Dates originating from other works (e.g., Evenhuis

1997) are credited to the sources used. Rarely the date "31 December+" is used to indicate that a date has not been determined within the year.

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Brauer, **F**. **& Bergenstamm**, **J**.**E**. **von** 1889. Die Zweiflügler des Kaiserlichen Museums zu Wien. IV. Vorarbeiten zu einer Monographie der Muscaria Schizometopa (exclusive Anthomyidae). Pars I. *Denkschriften der Kaiserlichen Akademie der Wissenschaften. Wien. Mathematisch-Naturwissenschaftliche Classe* **56**: 69–180 + 11 pls. [Also published separately in Wien by F. Tempsky, 1890, 112 pp. + 11 pls.] [after 19 December (journal), February 1890 (separate), Evenhuis (2014: 497). Evenhuis (1997: 121) gave the same order for journal and separate and same year of publication and was followed by O'Hara & Wood (2004), O'Hara *et al*. (2009), and other works.]

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Nomenclature of *Johnstonimyia bezzi* Lopes & Kano, 1979 (Diptera: Sarcophagidae)

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Abstract. The nomenclature of *Johnstonimyia bezzi* Lopes & Kano, 1979 is revised.

Keywords: Subsequent usage, new replacement name, identical spelling, homonymy, synonymy

Lopes (1959) introduced the flesh fly genus *Johnstonimyia* with type species *Sarcophaga kappa* Johnston & Tiegs, 1921 by original designation. This nominal genus-group taxon has been considered as a valid genus (e.g., Ye *et al.* 1998; Xue *et al.* 2011; Barták *et al.* 2019; Verves 1990, 2020), or as a valid subgenus under the broad concept of *Sarcophaga* Meigen, 1824 (e.g., Pape 1991, 1996; Pape & Kurahashi 2004; Meiklejohn *et al.* 2013).

Lopes & Kano (1979) published a contribution to the genus-group taxon *Sarcorohdendorfia* Baranov, and they provided a key including species with a setose pro-anepisternum from "related genera". Couplet 20 in their key (p. 659) provides, at its first alternative, "Styli very much elarged [*sic*]. (New Hebrides)", which identifies "*Johnsonimyia* [*sic*] *bezzi* Lopes & Kano". The paper contains no other mention of this species, but the diagnostic information provided by the key is sufficient for making the name available. As the name is given only once in the original work, and as there is neither etymology nor evidence of an inadvertent error, *Johnstonimyia bezzi* is the correct original spelling.

The same authors, probably not realising that the above-mentioned key had made the name *Johnstonimyia bezzi* available, later described two species of *Johnstonimyia* as new to science (Kano & Lopes 1981), of which one was presented with the alternate spellings *Johnstonimyia bezzii* (three times) and *Johnstonimyia bezzi* (one time). This species was based on a "holotype" and a "paratype" (but see below) from "New Hebrides" (i.e., Vanuatu) and it unambiguously matches the key entry in their 1979 publication.

The valid proposal of *Johnstonimyia bezzi* Lopes & Kano, 1979 was overlooked until now, and all subsequent authors have credited authorship and date from Kano & Lopes (1981). The spelling *Johnstonimyia bezzi* was used by Lopes (1989) and Shinonaga & Kano (1990), whereas Pape (1991, 1996) considered *Johnstonimyia bezzii* as the correct original spelling [missing that Lopes (1989) would have served as First Reviser as per Art. 24.2.4 of the *International Code of Zoological Nomenclature* (ICZN 1999, henceforth '*Code*') and selected *Johnstonimyia bezzi* as the correct original spelling]. Pape (1991) proposed the new replacement name *Sarcophaga vanuatu* for "*Johnstonimyia bezzii* Kano et Lopes, 1981", arguing that under a broad concept of *Sarcophaga* Meigen, it would be a secondary junior homonym of *Sarcophaga bezzii* Corti, 1897 and *Sarcophaga*

bezzii Salem, 1946.

The proposal of *Johnstonimyia bezzi* / *bezzii* by Kano & Lopes (1981) is here considered a subsequent usage of *Johnstonimyia bezzi* Lopes & Kano, 1979 argued from the unambiguous match mentioned above. A subsequent usage of a previously established name has no separate availability unless it qualifies as an unjustified emendation. However, the current *Code* does not provide a specific definition of subsequent usage. For the usage of a name to qualify as subsequent, the name has to be used in the same spelling as that of a previously established name, or at least in a spelling that is close enough to suggest that the difference is a lapsus or misspelling. Also, the name should be used for a taxon that is (or at least is intended to be) consistent with the taxonomic concept outlined for the name in its original publication. A crucial point is whether or not a subsequent user needs to demonstrate awareness of the previous usage of the name. The taxonomic literature contains several examples where a key to species unintentionally is published before the more formal description of one or more of the species included by name in that key. In such cases, and if published before the year 2000, the new name(s) given in the key will have been made available. The subsequently published detailed description(s) will not necessarily refer to the publication they were intended to predate, and in such cases only circumstantial evidence can be brought forth to demonstrate that the names explicitly stated to be new are actually subsequent usages. I will here act from the assumption that a subsequent user does not need to demonstrate awareness of any previous usage or availability of the name.

The new replacement name *Sarcophaga vanuatu* proposed by Pape (1991) is available even if proposed for a subsequent usage of the name that is preoccupied. The need for a new replacement name was argued from secondary homonymy with *Sarcophaga bezzii* Corti, 1897 and *Sarcophaga bezzii* Salem, 1946. Homonymy in the species group occurs when each of two or more available species-group names that are established for different nominal taxa but combined with the same generic name have the same spelling, or if their non-identical spellings are deemed under *Code* Art. 58 to be the same (*Code* Glossary). *Code* Art. 58 includes the use of -i or -ii as alternative endings in a genitive based on the name of some entity associated with the taxon, and for the names to enter into homonymy it is required that they are of the same derivation and meaning. Secondary homonymy between *Johnstonimyia bezzi* Lopes & Kano, 1979 and any of *Sarcophaga bezzii* Corti, 1897 and *Sarcophaga bezzii* Salem, 1946 would therefore require that the specific names "*bezzi*" and "*bezzii*" are of the same derivation and meaning. In the present case, the evidence is circumstantial, because while Corti (1897: 140) explicitly dedicated his *Sarcophaga bezzii* to "prof. Mario Bezzi", and Salem (1946: 195) capitalised the specific name in his "*Sarcophaga Bezzii*", Lopes & Kano (1979) did not provide an etymology for their proposal of *Johnstonimyia bezzi*. Taken verbatim, the specific name equals that of Italian dipterist Mario Bezzi, but the context, and especially the subsequent paper by Kano & Lopes (1981), where the specific name is spelled with both single and double terminal -i, may offer evidence that the name was intended as an honorific in appreciation of the work Mario Bezzi did on flesh flies and many other Diptera from various Pacific islands.

According to the *Code* Preamble, which is an integral part of the *Code*, all its provisions and recommendations are subservient to promoting stability and universality in the scientific names of animals. This is implemented here by considering the specific name

"*bezzi*" in the nominal species-group taxon *Johnstonimyia bezzi* Lopes & Kano, 1979 as an (incorrectly formed) honorific. Consequently, *Johnstonimyia bezzi* Lopes & Kano, 1979 is a secondary junior homonym as already argued by Pape (1991), and the new replacement name *Sarcophaga vanuatu* Pape, 1991, even if proposed to replace a name in its subsequent usage, is a valid nomenclatural act.

The complete synonymy can be summarised as follows:

Sarcophaga vanuatu

Johnstonimyia bezzi Lopes & Kano, 1979: 659. Type locality: Vanuatu, hill east of Luganvilla. Lectotype ♂, designated by Kano & Lopes (1981: 297), stated to have been deposited in Museu Nacional in Rio de Janeiro and now lost when this museum burned down (Escobar 2018). Secondary junior homonym of *Sarcophaga bezzii* Corti, 1897 and *Sarcophaga bezzii* Salem, 1946.

Sarcophaga vanuatu Pape, 1991: 215. New replacement name for *Johnstonimyia bezzi* Lopes & Kano, 1979 [using the incorrect subsequent spelling *Johnstonimyia bezzii* and incorrectly crediting the name to the subsequent use by Kano & Lopes (1981)].

Johnstonimyia bezzii: Kano & Lopes (1981: 295), incorrect subsequent spelling of *Johnstonimyia bezzi* Lopes & Kano, 1979.

Lopes & Kano (1979) did not provide any data on the type material for *Johnstonimyia bezzi*, but it is reasonable to consider the two specimens studied by Kano & Lopes (1981) as the original type series. Furthermore, *Code* Art. 74.5 instructs that "a subsequent use of the term "holotype" does not constitute a valid lectotype designation unless the author, when wrongly using that term, explicitly indicated that he or she was selecting from the type series that particular specimen to serve as the name-bearing type". The (incorrect) designation of a holotype by Kano & Lopes (1981) is here considered an explicit expression that that particular specimen is selected to serve as the name-bearing type, thereby validating this as a lectotype designation.

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The genus-group names of Sarcophagidae (Insecta: Diptera) proposed by A.Z. Lehrer and Y.G. Verves

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Abstract. A conspectus of all genus-group names of Sarcophagidae proposed by A.Z. Lehrer and Y.G. Verves is provided as an authority source for updating *Systema Dipterorum*, with two Appendices listing new synonymies, new statuses and new combinations as resulting from the adopted classification. By First Reviser action, *Paraphalloides* Lehrer, 2013 is selected as the correct original spelling, with the alternative spelling *Paraphaloides* thereby becoming an incorrect original spelling.

INTRODUCTION

Dipterists Andy Zekharya Lehrer (1930–2014) and Yury Grigorevitch Verves (1946–2021) dedicated most of their academic life to taxonomic studies on Calliphoridae and Sarcophagidae and published taxonomic papers on these two dipteran families until the very end of their lives. They were dedicated taxonomists and prolific authors, and both employed a narrow concept of genera, which resulted in a high output of new nominal genus-group taxa proposed by them. The present conspectus serves the dual aim of assembling all relevant nomenclatural details for the genus-group names of Sarcophagidae proposed by Lehrer and Verves and incorporating these names into the classification adopted for *Systema Dipterorum* (Evenhuis & Pape 2022). We have included misidentifications where these may be confused with separate proposals.

MATERIAL AND METHODS

Generic circumscriptions follow Pape (1996), Whitmore *et al.* (2013), Meiklejohn *et al.* (2013), Piwczyński *et al.* (2017), Buenaventura & Pape (2018), Wang *et al.* (2019) and Zhang *et al.* (2021). Based on these circumscriptions, most nominal genus-group taxa proposed by Lehrer and Verves fall within the large genus *Sarcophaga* Meigen, 1824, which includes the majority of the Eastern Hemisphere species of the subfamily Sarcophaginae and differs from *Blaesoxipha* Loew, 1861 and *Ravinia* Robineau-Desvoidy, 1863 (the only other native sarcophagine genera outside the Americas) by having the phallotreme of the phallus modified into two lateral styli and a median stylus (Buenaventura & Pape 2018). Here, our subgeneric assignments of Lehrer's and Verves's genus-group taxa within the genus *Sarcophaga* are based primarily on published illustrations of the male terminalia rather than on the study of type material and should be considered tentative until further information on subgeneric relationships can be obtained, particularly through

molecular inquiry (cf. Piwczyński *et al.* 2014; Buenaventura *et al.* 2017; Yan *et al.* 2021). Despite this degree of uncertainty, we consider explicit assignments as more useful than a long list of subgenera treated as *subgenera inquirenda*.

FORMAT

Genus-group names are listed alphabetically, with entries formatted following Evenhuis & Pape (2019): boldface for available and valid names; italics for available and invalid names; and plain roman in square brackets for unavailable names. Incorrect original and subsequent spellings are included for completeness, and their entries are given in plain roman and square brackets like unavailable names, but followed by ': Author (year: page)'. TYPE SPECIES are listed in their original combination and orthography and with their fixation, and if currently considered invalid (junior synonym or homonym), the valid name is given in square brackets with author and year. CURRENT STATUS provides the valid name under an adopted or newly proposed generic classification. Unavailable names, which for lack of typification do not enter into formal synonymy, as well as incorrect spellings, are given as "treated under" the current placement of the name. Incorrect original spellings are listed with the valid First Reviser action, either as 'First Reviser = Author (year: page)' or 'First Reviser = present study'. Where no nomenclatural change is proposed, an authority is indicated by '[*teste* Author (year: page)]'. Where a name is proposed in novel synonymy, whether under a generic or a subgeneric name, it is indicated by "**new syn**."; and where a name is listed in a subgeneric combination for the first time but no new synonymy is implied, it has been indicated by "**new status**". Incorrect subsequent spellings are given with the earliest authority, either as '[*teste* Author (year: page)]' or '[*teste* this work]'. REMARKS are provided where necessary, with information concerning synonymy, First Reviser actions and other relevant details. In cases where a new generic synonymy or new status proposed in the present paper implies a first combination of a generic name and a species-group name, the newly-proposed combination is given and annotated with "**new comb**.". The *International Code of Zoological Nomenclature* (International Commission on Zoological Nomenclature 1999) has been abbreviated to "*Code*" when referring to a specific Article (abbreviated as "Art.") therein. Entries given as incorrect subsequent spellings were checked for evidence that they would qualify as (unjustified) emendations and none of them fulfilled those requirements (see *Code* Art. 33). Appendix I lists the available genus-group names proposed by Lehrer and Verves sorted by subfamily and arranged under their valid name, with new synonymy or new status indicated. Appendix II lists all new combinations implied by a new generic synonymy or new status proposed in the present paper.

CATALOGUE

[Achetocephalon]: **Rohdendorf & Verves (1980**: **459)**.

CURRENT STATUS: Incorrect subsequent spelling of *Achaetocephalon* Rohdendorf, 1934. Treated under *Miltogramma* Meigen, 1803 [*teste* this work].

Acrophallonia **Lehrer**, **2013a**: **14**.

TYPE SPECIES: *Senotainia nigeriensis* Zumpt, 1970, by original designation.

CURRENT STATUS: Junior synonym of *Lamprometopia* Macquart, 1846 [*teste* Verves

& Khrokalo (2020: 69)].

Remarks: The nominal taxon *Lamprometopia* Macquart, 1846 falls within the lower Miltogramminae *sensu* Piwczyński *et al.* (2017), but it is in need of a solid circumscription as well as evidence for monophyly (Pape 1996, 2006).

Afropierretia Verves, **1997a**: **44**.

Type Species: *Sarcophaga dingaani* Zumpt, 1950, by original designation.

Current status: *Sarcophaga* Meigen, 1824, subgenus *Afropierretia* Verves, 1997, **new status**.

Remarks: Proposed as a subgenus of *Myorhina* Robineau-Desvoidy, 1830. Accepted here as a monotypic subgenus of *Sarcophaga* Meigen, 1824 pending further information on its phylogenetic relationships.

Aftaotella **Lehrer**, **1997c**: **17**.

Type Species: *Sarcophaga scopariiformis* Senior-White, 1927, by original designation.

Current Status: *Sarcophaga* Meigen, 1824, subgenus *Pandelleisca* Rohdendorf, 1937, **new syn**.

Remarks: Verves & Khrokalo (2020) did not explicitly include the nominal genus *Aftaotella* Lehrer, 1997, probably by oversight as they provided the chresonym "*Aftaotella scopariiformis*" under their listing of "*Liosarcophaga* (*s. str.*) *scopariiformis* (Senior-White, 1927)". This may also be taken as evidence that these authors would have synonymised *Aftaotella* with *Liosarcophaga* Enderlein, 1928 (*s. str.*). However, molecular evidence appears to falsify this classification, and we are here placing *S. scopariiformis* in the subgenus *Pandelleisca* Rohdendorf, 1937 based on the molecular phylogeny provided by Piwczyński *et al.* (2014).

[Ahavanella] **Lehrer**, **1994c**: **83**.

Current Status: Unavailable name; *nomen nudum*. Treated under *Sarcophaga* Meigen, 1824, subgenus *Helicophagella* Enderlein, 1928 [*teste* Pape (1996: 318)].

Remarks: No description; two included species neither of which was designated as type species. A genus-group name proposed after 1930 must be accompanied by the fixation of a type species (*Code* Art. 13.3) and cannot be made available by the use of one or more available specific names in combination with it, or clearly included under it, or clearly referred to it by bibliographic reference (*Code* Art. 13.6.1).

Ahavanella **Lehrer**, **1995a**: **110**.

Type Species: *Bellieria macrura* Rohdendorf, 1937, by original designation.

Current Status: *Sarcophaga* Meigen, 1824, subgenus *Helicophagella* Enderlein, 1928 [*teste* Pape (1996: 318)].

Remarks: Verves & Khrokalo (2020: 102) treated *Ahavanella* Lehrer, 1995 as a junior synonym of the subgenus *Parabellieria* Verves, 1987 in the genus *Helicophagella* Enderlein, 1928. Molecular analyses do not support a monophyletic *Helicophagella* in the sense of Pape (1996) (Buenaventura & Pape 2017; Buenaventura *et al.* 2017; Buenaventura *et al.* 2019), and morphological support is feeble (Blackith *et al.* 1998); thus, with evidence still being inconclusive, we retain the classification of Pape (1996).

Amamia **Verves**, **1997a**: **44**.

TYPE SPECIES: *Pierretia kanekoi* Kano & Field, 1964, by original designation.

CURRENT STATUS: *Sarcophaga* Meigen, 1824, subgenus *Myorhina* Robineau-Desvoidy, 1830, **new syn**.

REMARKS: Proposed as a subgenus of *Myorhina* Robineau-Desvoidy, 1830. Pape (1996: 297) classified *Pierretia kanekoi* Kano & Field, 1964 under the subgenus *Sarcophaga* (*Asceloctella* Enderlein, 1928). We accept the affiliation under *Myorhina* Robineau-Desvoidy, 1830 but here follow the classification of Pape (1996).

[Amblycorphenes]: **Verves (1985**: **423)**.

CURRENT STATUS: Incorrect subsequent spelling of *Amblycoryphenes* Townsend, 1918. Treated under *Blaesoxipha* Loew, 1861, subgenus *Tephromyia* Brauer & Bergenstamm, 1891 [*teste* Pape (1996: 207)].

Amharomyia Verves, **1984b**: **41**.

TYPE SPECIES: *Amharomyia maculigaster* Verves, 1984 [= *Angiometopa monospila* Bezzi, 1908], by original designation.

CURRENT STATUS: *Sarcophaga* Meigen, 1824, subgenus *Amharomyia* Verves, 1984 [*teste* Pape (1996: 296)].

REMARKS: Accepted here as a monotypic subgenus of *Sarcophaga* Meigen, 1824 pending further information on its phylogenetic relationships.

Ampilicercomyia **Verves**, **1991**: **131**.

TYPE SPECIES: *Parasarcophaga amplicercus* Shinonaga & Tumrasvin, 1979, by original designation.

CURRENT STATUS: *Sarcophaga* Meigen, 1824, subgenus *Liosarcophaga* Enderlein, 1928 [*teste* Pape (1996: 348)].

REMARKS: Kurahashi & Samerjai (2018) placed *Parasarcophaga amplicercus* in *Liosarcophaga*, which they classified as a subgenus of *Parasarcophaga* Johnston & Tiegs, 1921. Verves (1991: 131) misspelled the name of the type species as "*Parasarcophaga ampilicercus*", which evidently influenced the spelling of the genus-group name *Ampilicercomyia*.

Annefrankia **Lehrer**, **1995a**: **110**.

TYPE SPECIES: *Sarcophaga novercoides* Böttcher, 1913, by original designation.

CURRENT STATUS: *Sarcophaga* Meigen, 1824, subgenus *Helicophagella* Enderlein, 1928 [*teste* Pape (1996: 318)].

REMARKS: Verves & Khrokalo (2020: 100) treated *Annefrankia* Lehrer, 1995 as a junior synonym of the subgenus *Helicophagella* in the genus *Helicophagella* Enderlein, 1928. We agree with this placement but here follow the classification of Pape (1996). Molecular analyses do not support a monophyletic *Helicophagella* in the sense of Pape (1996) (Buenaventura & Pape 2017; Buenaventura *et al.* 2017; Buenaventura *et al.* 2019), and morphological support is feeble (Blackith *et al.* 1998); thus, with evidence still being inconclusive, we retain the classification of Pape (1996).

Anthostilophalla Lehrer, **1993a**: **1**.

Type Species: *Anthostilophalla klinzigi* Lehrer, 1993 [= *Sarcophaga pennopluma* Zumpt, 1972], by original designation.

Current Status: *Sarcophaga* Meigen, 1824, subgenus *Anthostilophalla* Lehrer, 1993 [*teste* Pape (1996: 297)].

Remarks: Verves & Khrokalo (2020: 142) treated *Anthostilophalla* Lehrer, 1993 as a genus and stated that "Lehrer (2002e: 51) erroneously designated *Anthostilophalla klinzigi* Lehrer, 1993 as a type species of this genus" (p. 143). We have not been able to locate this alleged error.

Artamonoviella **Verves**, **1989b**: **94**.

Type Species: *Sarcophaga monspellensia* Böttcher, 1913, by original designation.

Current Status: *Sarcophaga* Meigen, 1824, subgenus *Heteronychia* Brauer & Bergenstamm, 1889 [*teste* Pape (1996: 322)].

Ashlaiana **Lehrer**, **1998**: **5**.

Type Species: *Ashlaiana shakrana* Lehrer, 1998 [= *Sarcophaga boettcheri* Villeneuve, 1912], by original designation.

Current Status: *Sarcophaga* Meigen, 1824, subgenus *Heteronychia* Brauer & Bergenstamm, 1889 [*teste* Whitmore (2011: 17)].

Remarks: Lehrer (2012d: 10) proposed *Ashlaiana* Lehrer, 1998 as a junior synonym of *Pandelleola* Rohdendorf, 1937, which is here considered a synonym of the subgenus *Heteronychia* Brauer & Bergenstamm, 1889 in the genus *Sarcophaga* Meigen, 1824 following Whitmore (2011) and Whitmore *et al.* (2013).

Asioboettcheria **Verves**, **2001a**: **240**.

Type Species: *Stackelbergeola papei* Nandi, 1994 [= *Sarcophaga thornax* Walker, 1849], by original designation.

Current Status: *Oxysarcodexia* Townsend, 1917 [*teste* Souza *et al.* (2020: 9)].

Remarks: The species-group taxon *Stackelbergeola papei* Nandi, 1994 and the genus-group taxon *Asioboettcheria* Verves, 2001 were evidently established without realising that the type material is conspecific with a common Neotropical species of *Oxysarcodexia* and was most likely mislabelled.

Asiosarcophila Rohdendorf & Verves, **1978**: **245**.

Type Species: *Asiosarcophila kaszabi* Rohdendorf & Verves, 1978, by original designation.

Current Status: *Asiosarcophila* Rohdendorf & Verves, 1978 [*teste* Zhang *et al.* (2016: 304)].

Atlantina **Lehrer**, **2013f**: **26**.

Type Species: *Discachaeta kunonis* Pape, 1986, by original designation.

Current Status: *Sarcophaga* Meigen, 1824, subgenus *Heteronychia* Brauer & Bergenstamm, 1889, **new syn**.

Remarks: Verves & Khrokalo (2020: 123) considered *Atlantina* Lehrer, 2013 as a

junior synonym of the valid genus *Discachaeta* Enderlein, 1928. We follow Whitmore *et al.* (2013) in considering *Discachaeta* Enderlein, 1928 as a junior synonym of the subgenus *Heteronychia* Brauer & Bergenstamm, 1889 within *Sarcophaga*.

Australoanicia **Verves**, **1979a**: **890**.

TYPE SPECIES: *Opsidiopsis nudibasis* Malloch, 1930, by original designation.

CURRENT STATUS: *Metopia* Meigen, 1803 [*teste* Pape (1996: 98)].

REMARKS: Proposed as a subgenus of *Metopia* Meigen, 1803.

[Australoanticia]: **Verves (1979b**: **166)**.

CURRENT STATUS: Incorrect subsequent spelling of *Australoanicia* Verves, 1979. Treated under *Metopia* Meigen, 1803 [*teste* Pape (1996: 98)].

[Australometopia]: **Verves (1989c**: **120)**.

CURRENT STATUS: Incorrect subsequent spelling of *Austrometopia* Malloch, 1930. Treated under *Amobia* Robineau-Desvoidy, 1834 [*teste* Pape (1996: 72)].

Australophaga **Lehrer**, **2005b**: **8**.

TYPE SPECIES: *Australophaga reedi* Lehrer, 2005, by original designation.

CURRENT STATUS: *Sarcophaga* Meigen, 1824, subgenus *Curranisca* Rohdendorf, 1963, **new status**.

REMARKS: Verves & Khrokalo (2020) did not list *Australophaga* Lehrer, 2005—probably by oversight as there is a reference to the paper by Lehrer (2005b)—and included the type species *Australophaga reedi* Lehrer, 2005 in *Curranisca* Rohdendorf, 1963, which was considered as a subgenus of *Phytosarcophaga* Rohdendorf, 1937. Verves & Khrokalo (2020) applied a very broad concept of the genus *Phytosarcophaga* Rohdendorf, 1937, with several subgenera; however, for lack of evidence of its phylogenetic affinities to current subgenera, we follow the classification of Pape (1996) with a monotypic *Phytosarcophaga* and treat *Australophaga* Lehrer, 2005 as a junior synonym of *Curranisca* Rohdendorf, 1963. The new status implies that the type species acquires the combination *Sarcophaga reedi* (Lehrer, 2005), **new comb**.

Australopierretia **Verves**, **1987**: **665**.

TYPE SPECIES: *Helicobia australis* Johnston & Tiegs, 1921, by original designation.

CURRENT STATUS: *Sarcophaga* Meigen, 1824, subgenus *Asceloctella* Enderlein, 1928 [*teste* Buenaventura (2021: 14)].

REMARKS: *Australopierretia* Verves, 1987 was considered a monotypic subgenus by Pape (1996), which received support from Buenaventura & Pape (2017), but we follow the more recent molecular phylogeny of Buenaventura (2021) and consider *Asceloctella* to contain the species *Helicobia australis* Johnston & Tiegs, 1921 and *Sarcophaga calicifera* Böttcher, 1912.

Awashiops Lehrer, **2007**: **20**.

TYPE SPECIES: *Awashiops gudita* Lehrer, 2007, by original designation.

Current Status: *Awashiops* Lehrer, 2007 [*teste* Lehrer (2007: 20)].

Remarks: Material examined from Yemen (Natural History Museum of Denmark, Copenhagen, Denmark) and Ethiopia (Mikołaj Kopernik University, Toruń, Poland) supports the validity of this nominal genus-group taxon and indicates a phylogenetic position as sister to *Sarcotachina* Portschinsky, 1881 in the Miltogramminae (T. Pape & K. Szpila, unpubl.).

Baliisca Verves, **1980**: **39**.

Type Species: *Parasarcophaga lopesi* Verves, 1980 [= *Sarcophaga souzalopesi* Pape, 1996], by original designation.

Current Status: *Sarcophaga* Meigen, 1824, subgenus *Baliisca* Verves, 1980 [*teste* Pape (1996: 298)].

Remarks: Proposed as a subgenus of *Parasarcophaga* Johnston & Tiegs, 1921. Accepted here as a monotypic subgenus of *Sarcophaga* Meigen, 1824 pending further information on its phylogenetic relationships. *Parasarcophaga lopesi* Verves, 1980 is a secondary junior homonym under a broad concept of *Sarcophaga*, therefore Pape (1996) proposed the new replacement name *Sarcophaga souzalopesi*.

Bantumyia **Verves & Khrokalo in Verves *et al.***, **2022**: **2**.

Type Species: *Sarcophaga erecta* Engel, 1925, by original designation.

Current Status: *Sarcophaga* Meigen, 1824, subgenus *Beziella* Enderlein, 1937, **new status**.

Remarks: Proposed as a subgenus of *Beziella* Enderlein, 1937. We agree with Verves *et al.* (2022) in treating *Sarcophaga erecta* Engel, 1925 within the taxon *Beziella* Enderlein, 1937, but we follow the classification of Pape (1996) with *Beziella* at subgeneric rank.

Bantuphaga **Lehrer**, **2003**: **61**.

Type Species: *Sarcophaga braunsi* Engel, 1925, by original designation.

Current Status: *Sarcophaga* Meigen, 1824, subgenus *Prionophalla* Rohdendorf, 1963, **new syn**.

Remarks: Verves & Khrokalo (2020: 164) treated *Bantuphaga* Lehrer, 2003 as a subgenus of *Ceratophalla* Rohdendorf, 1963, but we follow the classification of Pape (1996) with the latter as a junior synonym of *Prionophalla* Rohdendorf, 1963.

Barnardia **Lehrer**, **2003**: **63**.

Type Species: *Sarcophaga bechuanae* Zumpt, 1972, by original designation.

Current Status: *Sarcophaga* Meigen, 1824, subgenus *Liosarcophaga* Enderlein, 1928, **new syn**.

Remarks: *Barnardia* Lehrer, 2003 is preoccupied by *Barnardia* Péringuey, 1926 (Coleoptera) and *Barnardia* Yamaguti, 1963 (Crustacea). Verves & Khrokalo (2020: 169) treated *Barnardia* Lehrer, 2003, using the new replacement name *Christiaanbarnardia* Kemal & Koçak, 2020, as a subgenus of *Liosarcophaga* Enderlein, 1928. We accept the placement within *Liosarcophaga* but here follow the classification of Pape (1996).

Bechuanella **Lehrer**, **2003**: **69**.

TYPE SPECIES: *Sarcophaga mababiensis* Zumpt, 1972, by original designation.

CURRENT STATUS: *Sarcophaga* Meigen, 1824, subgenus *Liosarcophaga* Enderlein, 1928, **new syn**.

REMARKS: Verves & Khrokalo (2020: 170) treated *Bechuanella* Lehrer, 2003 as a subgenus of *Liosarcophaga* Enderlein, 1928. We accept the placement within *Liosarcophaga* but here follow the classification of Pape (1996).

Belgiella **Lehrer**, **1977**: **52**.

TYPE SPECIES: *Parasarcophaga longchampsi* Lehrer, 1977 [= *Sarcophaga cultellata* Pandellé, 1896], by original designation.

CURRENT STATUS: *Sarcophaga* Meigen, 1824, subgenus *Liopygia* Enderlein, 1928 [*teste* Pape (1996: 346)].

REMARKS: Proposed as a subgenus of *Parasarcophaga* Johnston & Tiegs, 1921. Verves (1986: 163) listed *Belgiella* Lehrer, 1977 as a junior synonym of *Parasarcophaga* Johnston & Tiegs, 1921, with *Parasarcophaga longchampsi* Lehrer, 1977 as type species by monotypy. However, Lehrer (1977) explicitly stated that "La première de celles-ci [= *Parasarcophaga longchampsi*] constitue en même temps le type d'un nouveau sous-genre – *Belgiella* n. subgen." (p. 53) and again: "*Parasarcophaga longchampsi* n. sp. constitue le type d'un nouveau sous-genre – *Belgiella* n. subgen." (p. 56), and Lehrer (1977) moreover also included *Sarcophaga cultellata* (considered as a separate species), thereby ruling out monotypy. Pape (1996: 346) and Verves & Khrokalo (2020: 168) correctly gave the type species fixation as by original designation.

Verves (1986: 165) and Verves & Khrokalo (2020: 168) placed *Parasarcophaga longchampsi* Lehrer, 1977 (as a junior synonym of *Sarcophaga cultellata*) in the subgenus *Jantia* Rohdendorf, 1937 (under the genera *Parasarcophaga* Johnston & Tiegs, 1921 and *Liopygia* Enderlein, 1828, respectively), but we follow the classification of Pape (1996) in placing the species in *Sarcophaga* Meigen, 1824, subgenus *Liopygia* Enderlein, 1928.

[Bellierioma]: **Lehrer (2013c**: **23)**.

CURRENT STATUS: Incorrect subsequent spelling of *Bellieriomima* Rohdendorf, 1937. Treated under *Sarcophaga* Meigen, 1824, subgenus *Bellieriomima* Rohdendorf, 1937 [*teste* Verves & Khrokalo (2020: 145) but adjusted to the classification followed herein].

[Bellioriomima]: **Verves (1987**: **665)**.

CURRENT STATUS: Incorrect subsequent spelling of *Bellieriomima* Rohdendorf, 1937. Treated under *Sarcophaga* Meigen, 1824, subgenus *Bellieriomima* Rohdendorf, 1937 [*teste* Pape (1996: 299)].

Benedenia **Lehrer**, **1976**: **200**.

TYPE SPECIES: *Leclercqiomyia mousseti* Lehrer, 1976 [= *Sarcophaga minima* Rondani, 1862], by original designation.

CURRENT STATUS: *Sarcophaga* Meigen, 1824, subgenus *Heteronychia* Brauer &

Bergenstamm, 1889 [*teste* Pape (1996: 322)].

Remarks: Proposed as a subgenus of *Leclercqiomyia* Lehrer, 1976. Preoccupied by *Benedenia* Diesing, 1858 [Platyhelminthes], *Benedenia* Gray, 1864 [Cetacea], *Benedenia* Schneider, 1875 [Chromista], and *Benedenia* Foettinger, 1881 [Ciliophora].

Benigramma **Lehrer**, **2013b**: **7**.

Type Species: *Benigramma bellanda* Lehrer, 2013, by original designation.

Current Status: *Miltogramma* Meigen, 1803, **new syn**.

Remarks: Verves & Khrokalo (2020: 66) considered *Benigramma* Lehrer, 2013 as a junior synonym of *Miltogrammidium* Rohdendorf, 1930. We follow Pape (1996) in considering *Miltogrammidium* Rohdendorf, 1930 as a junior synonym of *Miltogramma* Meigen, 1803. The new synonymy implies that the type species acquires the combination *Miltogramma bellanda* (Lehrer, 2013), **new comb**.

[Bercae]: **Lehrer (2012b**: **24)**.

Current Status: Incorrect subsequent spelling of *Bercaea* Robineau-Desvoidy, 1863. Treated under *Sarcophaga* Meigen, 1824, subgenus *Bercaea* Robineau-Desvoidy, 1863 [*teste* Verves & Khrokalo (2020: 162) but adjusted to the classification followed herein].

Remarks: With the correct spelling "*Bercaea*" occurring nine times in Lehrer (2012b), the single occurrence of the incorrect spelling "*Bercae*" in that work is evidently a lapsus.

Bilenemyia Verves, **1989a**: **36**.

Type Species: *Sarcophaga limpopoensis* Zumpt, 1956, by original designation. Proposed as a subgenus of *Erwinlindneria* Rohdendorf, 1963.

Current Status: *Sarcophaga* Meigen, 1824, subgenus *Bilenemyia* Verves, 1989 [*teste* Pape (1996: 309)].

Remarks: Verves *et al.* (2022: 5) moved *Bilenemyia* from its original placement as a subgenus of *Erwinlindneria* Rohdendorf, 1963 to a subgenus of *Beziella* Enderlein, 1928. We treat *Bilenemyia* Verves, 1989 as a monotypic subgenus of *Sarcophaga* Meigen, 1824 pending further information on its phylogenetic relationships.

Blackithiana **Lehrer**, **1997a**: **12**.

Type Species: *Sarcophaga ornatijuxta* Richet, Pape, Blackith & Blackith, 1995, by original designation.

Current Status: *Sarcophaga* Meigen, 1824, subgenus *Sarcophaga* Meigen, 1824 [*teste* Verves & Khrokalo (2020: 208)].

Blaesoxiphomima **Verves**, **1985**: **426**.

Type Species: *Blaesoxipha mixta* Rohdendorf, 1928, by original designation.

Current Status: *Blaesoxipha* Loew, 1861, subgenus *Servaisia* Robineau-Desvoidy, 1863 [*teste* Pape (1996: 202)].

Remarks: Proposed as a subgenus of *Servaisia* Robineau-Desvoidy, 1863.

[Bracihcoma]: **Verves (1986**: **113)**.

CURRENT STATUS: Incorrect subsequent spelling of *Brachicoma* Rondani, 1856. Treated under *Brachicoma* Rondani, 1856 [*teste* O'Hara *et al.* (2011: 193)].

REMARKS: Verves (1986: 113) and Pape (1996: 161) assumed that Rondani (1859: 203) misspelled *Brachicoma*. However, they were referring to the 1914 Junk facsimile edition of Rondani (1859) in which the typographical error is found. The name is spelled correctly as *Brachicoma* in the original edition of Rondani (1859: 203).

Callostuckenbergia Lehrer & Lehrer, **1992**: **326**.

TYPE SPECIES: *Callostuckenbergia limela* Lehrer & Lehrer, 1992 [= *Sarcophaga spangleri* Reed, 1973], by original designation.

CURRENT STATUS: *Sarcophaga* Meigen, 1824, subgenus *Callostuckenbergia* Lehrer & Lehrer, 1992 [*teste* Pape (1996: 312)].

REMARKS: Verves & Khrokalo (2020: 111) treated *Callostuckenbergia* Lehrer & Lehrer, 1992 as a subgenus of *Erwinlindneria* Rohdendorf, 1963, and Verves *et al.* (2022: 7) placed it as a subgenus of *Beziella* Enderlein, 1928. We follow the classification of Pape (1996) and treat *Callostuckenbergia* Lehrer & Lehrer, 1992 as a subgenus of *Sarcophaga* Meigen, 1824 pending further information on its phylogenetic relationships.

Camerounisca Verves, **1989a**: **33**.

TYPE SPECIES: *Sarcophaga mefouensis* Rickenbach, 1977, by original designation.

CURRENT STATUS: *Sarcophaga* Meigen, 1824, subgenus *Camerounisca* Verves, 1989 [*teste* Pape (1996: 312)].

REMARKS: Accepted here as a monotypic subgenus of *Sarcophaga* Meigen, 1824 pending further information on its phylogenetic relationships.

[Carpathicomyia] **Lehrer**, **1971**: **165**.

CURRENT STATUS: Unavailable name; *nomen nudum*. Treated under *Sarcophaga* Meigen, 1824, subgenus *Sarcophaga* Meigen, 1824 [*teste* this work].

REMARKS: No description; two included species, one of which was designated as type species, but a genus-group name proposed after 1930 without a description cannot be made available by the use of one or more available specific names in combination with it, or clearly included under it, or clearly referred to it by bibliographic reference (*Code* Art. 13.6.1).

Carpathicomyia **Lehrer**, **1973**: **13**.

TYPE SPECIES: *Sarcophaga zumptiana* Lehrer, 1959, by original designation.

CURRENT STATUS: *Sarcophaga* Meigen, 1824, subgenus *Sarcophaga* Meigen, 1824 [*teste* Pape (1996: 387)].

REMARKS: Proposed as a subgenus of *Sarcophaga* Meigen, 1824. Type fixation given as by monotypy by Verves (1986: 180), but the original paper explicitly states: "Espèce-type du sous-genre: *Sarcophaga zumptiana* Lehrer, 1959" (Lehrer 1973: 13). Verves & Khrokalo (2020: 207) correctly gave the type species fixation as by original designation and treated *Carpathicomyia* Lehrer, 1973 as a junior synonym of *Sarcophaga* Meigen, 1824, which matches our concept of *Sarcophaga* (*sensu stricto*).

[Cercodiscus]: **Verves (1986**: **108)**.

CURRENT STATUS: Incorrect subsequent spelling of *Cerodiscus* Enderlein, 1934. Treated under *Phylloteles* Loew, 1844 [*teste* Pape (1996: 126)].

Ceylonella **Lehrer**, **2010d**: **19**.

TYPE SPECIES: *Sarcophaga talonata* Senior-White, 1925, by original designation.

CURRENT STATUS: *Sarcophaga* Meigen, 1824, subgenus *Harpagophalla* Rohdendorf, 1937, **new syn**.

REMARKS: Verves & Khrokalo (2020: 196) treated *Ceylonella* Lehrer, 2010 as a junior synonym of *Harpagophalla* Rohdendorf, 1937. We accept the placement within *Harpagophalla* but here follow the classification of Pape (1996).

[Cnoodaphrys]: **Verves (1986**: **108)**.

CURRENT STATUS: Incorrect subsequent spelling of *Cnoodophrys* Enderlein, 1934. Treated under *Miltogramma* Meigen, 1803 [*teste* Pape (1996: 106)].

[Ctanodasypygia]: **Verves (1984a**: **19)**.

CURRENT STATUS: Incorrect subsequent spelling of *Ctenodasypygia* Enderlein, 1928. Treated under *Sarcophaga* Meigen, 1824, subgenus *Heteronychia* Brauer & Bergenstamm, 1889 [*teste* Pape (1996: 322)].

Curtophalla Lehrer, **1994d**: **33**.

TYPE SPECIES: *Helicobia geari* Zumpt, 1972, by original designation.

CURRENT STATUS: *Sarcophaga* Meigen, 1824, subgenus *Curtophalla* Lehrer, 1994 [*teste* Pape (1996: 313)].

REMARKS: Verves & Khrokalo (2020: 119) applied a very broad concept of the genus *Phytosarcophaga* Rohdendorf, 1937, with several subgenera including *Curtophalla* Lehrer, 1944.

Curvosarcophaga **Verves**, **2001a**: **241**.

TYPE SPECIES: *Parasarcophaga curvata* Nandi, 1989, by original designation.

CURRENT STATUS: *Sarcophaga* Meigen, 1824, subgenus *Pandelleisca* Rohdendorf, 1937, **new syn**.

REMARKS: Proposed as a subgenus of *Parasarcophaga* Johnston & Tiegs, 1921. We follow the original proposal of Nandi (1989) in placing *Parasarcophaga curvata* Nandi, 1989 in the subgenus *Pandelleisca* Rohdendorf, 1937, as well as the classification of Pape (1996) with *Pandelleisca* as a subgenus of *Sarcophaga* Meigen, 1824.

[Daciella] **Lehrer**, **1971**: **165**.

CURRENT STATUS: Unavailable name; *nomen nudum*. Treated under *Sarcophaga* Meigen, 1824, subgenus *Sarcophaga* Meigen, 1824 [*teste* this work].

REMARKS: No description; eight included species, one of which was designated as type species. However, a genus-group name proposed after 1930 without a description cannot be made available by the use of one or more available specific names in combination with it, or clearly included under it, or clearly referred to it by bibliographic reference (*Code* Art. 13.6.1).

Daciella **Lehrer**, **1973**: **13**.

TYPE SPECIES: *Sarcophaga ukrainica* Rohdendorf, 1937, by original designation.

CURRENT STATUS: *Sarcophaga* Meigen, 1824, subgenus *Sarcophaga* Meigen, 1824 [*teste* Pape (1996: 387)].

REMARKS: Proposed as a subgenus of *Sarcophaga* Meigen, 1824. Preoccupied by *Daciella* Wenz, 1942 (Gastropoda). Verves & Khrokalo (2020: 207) treated *Daciella* Lehrer, 1973 as a junior synonym of *Sarcophaga* Meigen, 1824, which matches our concept of *Sarcophaga* (*sensu stricto*).

Danbeckia Lehrer, **1994d**: **33**.

TYPE SPECIES: *Sarcophaga paralina* Zumpt, 1967, by original designation.

CURRENT STATUS: *Sarcophaga* Meigen, 1824, subgenus *Danbeckia* Lehrer, 1994 [*teste* Pape (1996: 313)].

REMARKS: Verves & Khrokalo (2020: 106) treated *Danbeckia* Lehrer, 1994 as a genus, but we follow the classification of Pape (1996).

Deconinckia Lehrer, **2003**: **169**.

TYPE SPECIES: *Deconinckia fernandae* Lehrer, 2003, by original designation.

CURRENT STATUS: *Sarcophaga* Meigen, 1824, subgenus *Deconinckia* Lehrer, 2003, **new status**.

REMARKS: Verves & Khrokalo (2020: 115) treated *Deconinckia* Lehrer, 2003 as a genus. We consider this nominal taxon as contained within *Sarcophaga* Meigen, 1824, and for lack of evidence of its phylogenetic affinities to current subgenera we treat *Deconinckia* Lehrer, 2003 as a valid subgenus. The new status implies that the type species acquires the combination *Sarcophaga fernandae* (Lehrer, 2003), **new comb**.

Devriesia **Lehrer**, **1995b**: **158**.

TYPE SPECIES: *Sarcophaga ferox* Villeneuve, 1908, by original designation.

CURRENT STATUS: *Sarcophaga* Meigen, 1824, subgenus *Heteronychia* Brauer & Bergenstamm, 1889 [*teste* Pape (1996: 322)].

REMARKS: Preoccupied by *Devriesia* Mintz, 1967 (Echinodermata). Verves & Khrokalo (2020: 124) treated *Devriesia* Lehrer, 1995 as a junior synonym of the subgenus *Asceloctis* Enderlein, 1928 in the genus *Heteronychia* Brauer & Bergenstamm, 1889, but we follow the classification of Pape (1996) and Whitmore (2011).

Diplonophalla Lehrer, **1994d**: **28**.

TYPE SPECIES: *Sarcophaga weyeri* Zumpt, 1972, by original designation.

CURRENT STATUS: *Sarcophaga* Meigen, 1824, subgenus *Diplonophalla* Lehrer, 1994 [*teste* Pape (1996: 314)].

REMARKS: Verves & Khrokalo (2020: 166) treated *Diplonophalla* Lehrer, 1994 as a valid genus, but we follow the classification of Pape (1996).

Dovporiella Lehrer, **2003**: **60**.

TYPE SPECIES: *Sarcophaga curva* Reed, 1974, by original designation.

CURRENT STATUS: *Sarcophaga* Meigen, 1824, subgenus *Dovporiella* Lehrer, 2003,

new status.

Remarks: Verves & Khrokalo (2020: 115) treated *Dovporiella* Lehrer, 2003 as a valid genus. We consider this nominal taxon as contained within *Sarcophaga* Meigen, 1824, and for lack of evidence of its phylogenetic affinities to current subgenera we treat *Dovporiella* Lehrer, 2003 as a valid subgenus.

Draculana Lehrer, **2002a**: **56**.

Type Species: *Sarcophaga momba* Curran, 1934, by original designation.

Current Status: *Sarcophaga* Meigen, 1824, subgenus *Draculana* Lehrer, 2002, **new status**.

Remarks: Verves & Khrokalo (2020: 111) considered *Draculana* Lehrer, 2002 as a subgenus of *Erwinlindneria* Rohdendorf, 1963, whereas Verves *et al.* (2022: 9) placed it as a subgenus of *Beziella* Enderlein, 1928. We consider this nominal taxon as contained within *Sarcophaga* Meigen, 1824, and for lack of evidence of its phylogenetic affinities to current subgenera we treat *Draculana* Lehrer, 2002 as a valid subgenus.

Drakensbergiana **Lehrer**, **1993b**: **29**.

Type Species: *Drakensbergiana sachsae* Lehrer, 1993, by original designation.

Current Status: *Sarcophaga* Meigen, 1824, subgenus *Mauritiella* Verves, 1989, **new status**.

Remarks: Lehrer (2003: 307) synonymised *Drakensbergiana* Lehrer, 1993 with *Mauritiella* Verves, 1989, which was accepted by Verves & Khrokalo (2020: 116). We accept the synonymy but here follow the classification of Pape (1996). Verves & Khrokalo (2020: 116) dated *Drakensbergiana* from 1992, but the correct year is 1993; see References for further information.

Dravidia Lehrer, **2010b**: **28**.

Type Species: *Kozlovea cavangarei* Nandi, 1988, by original designation.

Current Status: *Sarcophaga* Meigen, 1824, subgenus *Dravidia* Lehrer, 2010, **new status**.

Remarks: Verves & Khrokalo (2020: 107) treated *Dravidia* Lehrer, 2010 as a valid genus. We consider this nominal taxon as contained within *Sarcophaga* Meigen, 1824, but *Kozlovea cavangarei* Nandi, 1988 apparently does not possess what are here considered the most distinctive diagnostic autapomorphies for the taxon *Kozlovea* Rohdendorf, 1937, i.e., the asymmetric distal part of the paraphallus and the differently-sized lateral styli with widened, funnel-like tips. For lack of evidence of its phylogenetic affinities to current subgenera we treat *Dravidia* Lehrer, 2010 as a valid subgenus.

Durbanella Lehrer, **1994d**: **26**.

Type Species: *Durbanella vockerothi* Lehrer, 1994, by original designation.

Current Status: *Sarcophaga* Meigen, 1824, subgenus *Durbanella* Lehrer, 1994 [*teste* Pape (1996: 315)].

Remarks: Verves & Khrokalo (2020: 119) applied a very broad concept of the genus *Phytosarcophaga* Rohdendorf, 1937 with several subgenera, including *Durbanella* Lehrer, 1994; however, for lack of evidence of its phylogenetic affinities to current subgenera, we follow the classification of Pape (1996) with a monotypic *Phytosarcophaga* and treat *Durbanella* Lehrer, 1994 as a separate subgenus.

Embulinkisa **Lehrer**, **2000**: **448**.

TYPE SPECIES: *Embulinkisa emmrichi* Lehrer, 2000 [= *Sarcophaga surda* Curran, 1934], by original designation.

CURRENT STATUS: *Sarcophaga* Meigen, 1824, subgenus *Zumptisca* Rohdendorf, 1963, **new status**.

REMARKS: Lehrer (2003: 481, 483) synonymised *Embulinkisa* Lehrer, 2000 under *Zumptisca* Rohdendorf, 1963, which was treated as a subgenus of *Erwinlindneria* Rohdendorf, 1963, and *Embulinkisa emmrichi* Lehrer, 2000 under *Sarcophaga surda* Curran, 1934. This was followed by Verves & Khrokalo (2020: 114). We accept the synonymy with *Zumptisca* but follow the classification of Pape (1996) in treating *Erwinlindneria* as a junior synonym of *Sarcophaga* (*Uroxanthisca*).

[Eryophrya]: **Verves (1986**: **73)**.

CURRENT STATUS: Incorrect subsequent spelling of *Euryophrya* Enderlein, 1934. Treated under *Miltogramma* Meigen, 1803 [*teste* Pape (1996: 106)].

[Eumetopiella]: **Verves (1984c**: **539)**.

CURRENT STATUS: Misidentification, not *Eumetopiella* Hendel, 1907 (in Ulidiidae). Treated under *Sphenometopa* Townsend, 1908 [*teste* Pape (1996: 145)].

REMARKS: *Eumetopiella* Hendel, 1907 is a new replacement name for *Eumetopia* Macquart, 1847 in Ulidiidae (preoccupied by *Eumetopia* Westwood, 1837 [Hemiptera]), but Verves (1984c: 539; 1986: 89) mistook this to be a new replacement name for *Eumetopia* Brauer & Bergenstamm, 1889, for which the valid name is *Sphenometopa* Townsend, 1908.

Eweka **Lehrer**, **2012c**: **3**.

TYPE SPECIES: *Eweka cordicerci* Lehrer, 2012, by original designation.

CURRENT STATUS: *Miltogramma* Meigen, 1803, **new syn**.

REMARKS: Verves & Khrokalo (2020: 66) considered *Eweka* Lehrer, 2012 as a junior synonym of *Miltogrammidium* Rohdendorf, 1930, but we follow the classification of Pape (1996). The new synonymy implies that the type species acquires the combination *Miltogramma cordicerci* (Lehrer, 2012), **new comb**.

Fanimyia Verves, **1997a**: **56**.

TYPE SPECIES: *Pierretia globovesica* Ye, 1980, by original designation.

CURRENT STATUS: *Sarcophaga* Meigen, 1824, subgenus *Fanimyia* Verves, 1997, **new status**.

REMARKS: Accepted here as a monotypic subgenus of *Sarcophaga* Meigen, 1824 pending further information on its phylogenetic relationships.

Fanzideia **Xue**, **Verves & Du**, **2011**: **311**.

TYPE SPECIES: *Fanzideia cygnocerca* Xue, Verves & Du, 2011, by original designation.

CURRENT STATUS: *Sarcophaga* Meigen, 1824, subgenus *Cornexcisia* Fan & Kano, 2000 [*teste* Wang *et al.* (2019: 412)].

Fanzidella Lehrer, **2003**: **201**.

Type Species: *Sarcophaga furcadorsalis* Rohdendorf, 1931, by original designation.

Current Status: *Sarcophaga* Meigen, 1824, subgenus *Fanzidella* Lehrer, 2003, **new status**.

Remarks: Verves & Khrokalo (2020: 112) treated *Fanzidella* Lehrer, 2003 as a subgenus of *Erwinlindneria* Rohdendorf, 1963, whereas Verves *et al.* (2022: 14) placed it as a subgenus of *Beziella* Enderlein, 1928. We consider this nominal taxon as contained within *Sarcophaga* Meigen, 1824, and for lack of evidence of its phylogenetic affinities to current subgenera we treat *Fanzidella* Lehrer, 2003 as a valid subgenus.

Fernandamyia **Lehrer**, **1975**: **107**.

Type Species: *Sarcophaga marcelleclercqi* Lehrer, 1975, by original designation.

Current Status: *Sarcophaga* Meigen, 1824, subgenus *Sarcophaga* Meigen, 1824 [*teste* Pape (1996: 387)].

Remarks: Proposed as a subgenus of *Sarcophaga* Meigen, 1824. Type fixation given as monotypy by Verves (1986: 180), but the original paper explicitly states "l'espèce *Sarcophaga marcelleclercqi* n. sp. représente seulement le type d'un nouveau sous-genre" (Lehrer, 1975: 107). Verves & Khrokalo (2020: 207) correctly gave the fixation as by original designation.

[Giganthotheca]: **Lehrer (2010a**: **9)**.

Current Status: Incorrect subsequent spelling of *Gigantotheca* Townsend, 1917. Treated under *Gigantotheca* Townsend, 1917 as a subgenus of *Blaesoxipha* Loew, 1861 [*teste* this work].

Remarks: Lehrer (2010a) used the correct spelling five times and only once the incorrect spelling *Giganthotheca*.

[Gigantothaeca]: **Lehrer (2012a**: **1)**.

Current Status: Incorrect subsequent spelling of *Gigantotheca* Townsend, 1917. Treated under *Gigantotheca* Townsend, 1917 as a subgenus of *Blaesoxipha* Loew, 1861 [*teste* this work].

Remarks: Lehrer (2012a) used both the original (*Gigantotheca*) as well as two incorrect (*Giganthotheca*, *Gigantothaeca*) spellings.

Girnaria Verves, **2001a**: **239**.

Type Species: *Helicophagella girnarensis* Nandi, 1992, by original designation.

Current Status: *Sarcophaga* Meigen, 1824, subgenus *Girnaria* Verves, 2001, **new status**.

Remarks: Accepted here as a monotypic subgenus of *Sarcophaga* Meigen, 1824 pending further information on its phylogenetic relationships.

Golania **Lehrer**, **2000**: **439**.

Type Species: *Golania israeliana* Lehrer, 2000 [= *Thyrsocnema platariae* Povolný, 1992], by original designation.

Current Status: *Sarcophaga* Meigen, 1824, subgenus *Thyrsocnema* Enderlein, 1928 [*teste* Krčmar *et al.* (2019: 149)].

Grimaldiella **Lehrer**, **2002a**: **54**.

TYPE SPECIES: *Sarcophaga gnu* Curran, 1934, by original designation.

CURRENT STATUS: *Sarcophaga* Meigen, 1824, subgenus *Grimaldiomyia* Lehrer, 2003, **new status**.

REMARKS: Preoccupied by *Grimaldiella* Koteja, 2000 (Hemiptera). Verves & Khrokalo (2020: 148) treated *Grimaldiella* Lehrer, 2002, using the new replacement name *Grimaldiomyia* Lehrer, 2003, as a subgenus of *Myorhina* Robineau-Desvoidy, 1830. We treat *Grimaldiella* Lehrer, 2002, and thereby *Grimaldiomyia* Lehrer, 2003 (automatic, as a new replacement name), under *Sarcophaga* Meigen, 1824, and for lack of evidence of its phylogenetic affinities to current subgenera we treat *Grimaldiomyia* Lehrer, 2003 as a valid subgenus.

Grimaldiomyia Lehrer, **2003**: **204**.

TYPE SPECIES: *Sarcophaga gnu* Curran, 1934 (automatic for a new replacement name).

CURRENT STATUS: *Sarcophaga* Meigen, 1824, subgenus *Grimaldiomyia* Lehrer, 2003, **new status**.

REMARKS: New replacement name for *Grimaldiella* Lehrer, 2002. Verves & Khrokalo (2020: 148) treated *Grimaldiomyia* Lehrer, 2003 as a subgenus of *Myorhina* Robineau-Desvoidy, 1830. We treat *Grimaldiella* Lehrer, 2002, and thereby *Grimaldiomyia* Lehrer, 2003 (automatic, as a new replacement name), under *Sarcophaga* Meigen, 1824, and for lack of evidence of its phylogenetic affinities to current subgenera we treat *Grimaldiomyia* Lehrer, 2003 as a valid subgenus.

Griseiforma **Lehrer**, **2013a**: **14**.

TYPE SPECIES: *Hoplocephalella grisea* Villeneuve, 1916, by original designation.

CURRENT STATUS: *Lamprometopia* Macquart, 1846 [*teste* Verves & Khrokalo (2020: 69)].

[Grusiniana] **Lehrer**, **1971**: **165**.

CURRENT STATUS: Unavailable name; *nomen nudum*. Treated under *Sarcophaga* Meigen, 1824, subgenus *Sarcophaga* Meigen, 1824 [*teste* this work].

REMARKS: No description; one included species, which was designated as type species, but a genus-group name proposed after 1930 without a description cannot be made available by the use of one or more available specific names in combination with it, or clearly included under it, or clearly referred to it by bibliographic reference (*Code* Art. 13.6.1).

Grusiniana **Lehrer**, **1973**: **14**.

TYPE SPECIES: *Sarcophaga apsuarum* Rohdendorf, 1937, by original designation.

CURRENT STATUS: *Sarcophaga* Meigen, 1824, subgenus *Sarcophaga* Meigen, 1824 [*teste* Pape (1996: 387)].

REMARKS: Proposed as a subgenus of *Sarcophaga* Meigen, 1824. Type fixation given as by monotypy by Verves (1986: 180), but the original paper explicitly states: "Espèce-type du sous-genre: *Sarcophaga apsuarum* Rohdendorf, 1937"

(Lehrer 1973: 14). Verves & Khrokalo (2020: 207) correctly gave the fixation as by original designation and treated *Grusiniana* Lehrer, 1973 as a junior synonym of *Sarcophaga* Meigen, 1824, which matches our concept of *Sarcophaga* (*sensu stricto*).

Guanoxipha **Lehrer**, **2012a**: **7**.

Type Species: *Blaesoxipha virgo* Pape, 1994, by original designation.

Current Status: *Peckia* Robineau-Desvoidy, 1830, subgenus *Euboettcheria* Townsend, 1927, **new syn**.

Remarks: Verves & Khrokalo (2020: 97) considered *Guanoxipha* Lehrer, 2012 as a junior synonym of *Euboettcheria* Townsend, 1927. We accept the placement within *Euboettcheria* but here follow the classification of Pape (1996).

Gujaratophalla **Lehrer**, **2009a**: **23**.

Type Species: *Helicophagella girnarensis* Nandi, 1992, by original designation.

Current Status: *Sarcophaga* Meigen, 1824, subgenus *Girnaria* Verves, 2001 (automatic, objective synonymy from identical nominal type species) [*teste* this work].

Hadashophalla **Lehrer**, **1996**: **4**.

Type Species: *Hadashophalla tautella* Lehrer, 1996, by original designation.

Current Status: *Sarcophaga* Meigen, 1824, subgenus *Aethiopisca* Rohdendorf, 1963, **new status**.

Remarks: Verves & Khrokalo (2020: 105) proposed *Hadashophalla* Lehrer, 1996 as a new synonym of *Aethiopisca* Rohdendorf, 1963. We accept the synonymy but here follow the classification of Pape (1996). The new status implies that the type species acquires the combination *Sarcophaga tautella* (Lehrer, 1996), **new comb**.

[Haplocephala]: **Lehrer (2012e**: **21)**.

Current Status: Incorrect subsequent spelling of *Hoplacephala* Macquart, 1846. Treated under *Hoplacephala* Macquart, 1846 [*teste* this work].

Hochiella Lehrer, **2005b**: **16**.

Type Species: *Hochiella pongola* Lehrer, 2005, by original designation.

Current Status: *Sarcophaga* Meigen, 1824, subgenus *Hochiella* Lehrer, 2005, **new status**.

Remarks: Verves & Khrokalo (2020: 116) considered *Hochiella* Lehrer, 2005 as a valid genus. We consider this nominal taxon as contained within *Sarcophaga* Meigen, 1824, and for lack of evidence of its phylogenetic affinities to current subgenera we treat *Hochiella* Lehrer, 2005 as a valid subgenus. The new status implies that the type species acquires the combination *Sarcophaga pongola* (Lehrer, 2005), **new comb**.

Hoplocephalomima **Verves**, **1988**: **16**.

Type Species: *Hoplocephalomima nathani* Verves, 1988, by original designation.

Current Status: *Hoplacephala* Macquart, 1846 [*teste* Pape (1996: 90)].

[Horiosarcophaga]: **Verves (1986**: **163)**.

CURRENT STATUS: Incorrect subsequent spelling of *Horisarcophaga* Kano & Shinonaga, 1967. Treated under *Sarcophaga* Meigen, 1824, subgenus *Pterophalla* Rohdendorf, 1955 [*teste* Pape (1996: 383)].

Iafecnema **Lehrer**, **1995a**: **110**.

TYPE SPECIES: *Bellieria pachyura* Rohdendorf, 1937, by original designation.

CURRENT STATUS: *Sarcophaga* Meigen, 1824, subgenus *Helicophagella* Enderlein, 1928 [*teste* Pape (1996: 318)].

REMARKS: Verves & Khrokalo (2020: 102) treated *Iafecnema* Lehrer, 1995 as a junior synonym of the subgenus *Parabellieria* Verves, 1987 in the genus *Helicophagella* Enderlein, 1928. Molecular analyses do not support a monophyletic *Helicophagella* in the sense of Pape (1996) (Buenaventura & Pape 2017; Buenaventura *et al.* 2017; Buenaventura *et al.* 2019), and morphological support is feeble (Blackith *et al.* 1998); thus, with evidence still being inconclusive, we retain the classification of Pape (1996).

Ihosyia Verves, **1989a**: **33**.

TYPE SPECIES: *Sarcophaga nomita* Zumpt, 1964, by original designation.

CURRENT STATUS: *Sarcophaga* Meigen, 1824, subgenus *Ihosyia* Verves, 1989 [*teste* Pape (1996: 337)].

REMARKS: Accepted here as a monotypic subgenus of *Sarcophaga* Meigen, 1824 pending further information on its phylogenetic relationships.

Imerina **Lehrer**, **2003**: **62**.

TYPE SPECIES: *Sarcophaga keiseri* Zumpt, 1964, by original designation.

CURRENT STATUS: *Sarcophaga* Meigen, 1824, subgenus *Lehreria* Koçak & Kemal, 2008, **new status**.

REMARKS: Preoccupied by *Imerina* Ragonot, 1891 (Lepidoptera) and *Imerina* Raffray, 1897 (Coleoptera). *Lehreria* Koçak & Kemal, 2008 is a new replacement name for *Imerina* Lehrer, 2003. The taxon falls within our broad concept of *Sarcophaga* Meigen, 1824, and for lack of information on its phylogenetic affinities to current subgenera, we treat it as a valid subgenus.

Jaennickeana **Lehrer**, **2003**: **226**.

TYPE SPECIES: *Sarcophaga nubica* Jaennicke, 1867, by original designation.

CURRENT STATUS: *Sarcophaga* Meigen, 1824, subgenus *Liosarcophaga* Enderlein, 1928, **new syn**.

REMARKS: Verves & Khrokalo (2020: 150) treated *Jaennickeana* Lehrer, 2003 as a subgenus of *Myorhina* Robineau-Desvoidy, 1830, but we here follow the classification of Pape (1996).

[Janneckeiana]: **Xue & Verves (2009**: **52)**.

CURRENT STATUS: Incorrect subsequent spelling of *Jaennickeana* Lehrer, 2003. Treated under *Sarcophaga* Meigen, 1824, subgenus *Liosarcophaga* Enderlein, 1928 [*teste* this work].

Javanisca **Verves**, **1980**: **40**.

TYPE SPECIES: *Javanisca indosinica* Verves, 1980 [= *Tephramobia trixina* Townsend, 1926], by original designation.

CURRENT STATUS: *Hoplacephala* Macquart, 1846 [*teste* Pape (1996: 90)].

Kaimariana **Lehrer**, **2011a**: **25**.

TYPE SPECIES: *Blaesoxipha aldrichi* Nandi, 1992 [= *Sarcophaga karna* Pape, 1996], by original designation.

CURRENT STATUS: *Sarcophaga* Meigen, 1824, subgenus *Karnatakia* Verves, 2001, **new status**.

REMARKS: We consider *Karnatakia* Verves, 2001, and thereby automatically *Kaimariana* Lehrer, 2011 (objective synonymy from identical nominal type species), as synonyms of *Sarcophaga* Meigen, 1824, and for lack of evidence of its phylogenetic affinities to current subgenera we treat *Karnatakia* Verves, 2001 as a valid subgenus.

Karnatakia Verves, **2001a**: **237**.

TYPE SPECIES: *Blaesoxipha aldrichi* Nandi, 1992 [= *Sarcophaga karna* Pape, 1996], by original designation.

CURRENT STATUS: *Sarcophaga* Meigen, 1824, subgenus *Karnatakia* Verves, 2001, **new status**.

REMARKS: Verves & Khrokalo (2020: 107) treated *Karnatakia* Verves, 2001 as a genus. We consider *Karnatakia* Verves, 2001, and thereby automatically *Kaimariana* Lehrer, 2011 (objective synonymy from identical nominal type species) as contained within *Sarcophaga* Meigen, 1824, and for lack of evidence of its phylogenetic affinities to current subgenera we treat *Karnatakia* Verves, 2001 as a valid subgenus.

Karovia **Lehrer**, **1995a**: **110**.

TYPE SPECIES: *Sarcophaga hirticrus* Pandellé, 1896, by original designation.

CURRENT STATUS: *Sarcophaga* Meigen, 1824, subgenus *Helicophagella* Enderlein, 1928 [*teste* Pape (1996: 318)].

REMARKS: Verves & Khrokalo (2020: 141) treated *Karovia* Lehrer, 1995 as a valid genus. Molecular analyses do not support a monophyletic *Helicophagella* in the sense of Pape (1996) (Buenaventura & Pape 2017; Buenaventura *et al.* 2017; Buenaventura *et al.* 2019), and morphological support is feeble (Blackith *et al.* 1998); thus, with evidence still being inconclusive, we retain the classification of Pape (1996).

Kenyophaga Lehrer, **2005b**: **18**.

TYPE SPECIES: *Kenyophaga klinzigiana* Lehrer, 2005, by original designation.

CURRENT STATUS: *Sarcophaga* Meigen, 1824, subgenus *Kenyophaga* Lehrer, 2005, **new status**.

REMARKS: Verves & Khrokalo (2020: 146) treated *Kenyophaga* Lehrer, 2005 as a valid genus. We consider this nominal taxon as contained within *Sarcophaga* Meigen, 1824, and for lack of information on its phylogenetic affinities we treat it as a valid subgenus. The new status implies that the type species acquires the combination *Sarcophaga klinzigiana* (Lehrer, 2005), **new comb**.

Kermalia **Lehrer**, **2005b**: **20**.

TYPE SPECIES: *Sarcophaga praerupta* Villeneuve, 1930, by original designation.

CURRENT STATUS: *Sarcophaga* Meigen, 1824, subgenus *Prionophalla* Rohdendorf, 1963, **new syn**.

REMARKS: Verves & Khrokalo (2020: 154) proposed *Kermalia* Lehrer, 2005 as a junior synonym of *Ceratophalla* Rohdendorf, 1953. We accept the placement within *Ceratophalla* but here follow the classification of Pape (1996), with the latter as a junior synonym of *Prionophalla* Rohdendorf, 1963.

Krameromyia Verves, **1982b**: **189**.

TYPE SPECIES: *Sarcophaga anaces* Walker, 1849, by original designation.

CURRENT STATUS: *Sarcophaga* Meigen, 1824, subgenus *Krameromyia* Verves, 1982 [*teste* Pape (1996: 341)].

REMARKS: Verves (1982b: 189) diagnosed the new genus as "*Kramerella sensu* Rohdendorf, 1937" [translation as given in *Entomological Review*] and explicitly referred to the description provided by Rohdendorf (1937). Later, Verves (1986: 139) incorrectly gave *Krameromyia* as a new replacement name ("new name for *Kramerella* Enderlein *in* Rohdendorf, 1937").

Krombeinomyia **Verves**, **1979a**: **891**.

TYPE SPECIES: *Krombeinomyia mirabilis* Verves, 1979, by original designation.

CURRENT STATUS: *Hoplacephala* Macquart, 1846 [*teste* Pape (1996: 90)].

Kurahashiodes Verves, **2001b**: **148**.

TYPE SPECIES: *Wohlfahrtiodes suenagai* Kurahashi, 1994, by original designation.

CURRENT STATUS: *Kurahashiodes* Verves, 2001 [*teste* Verves (2001b: 148)].

[Lampometopia]: **Verves (1988**: **14)**.

CURRENT STATUS: Incorrect subsequent spelling of *Lamprometopia* Macquart, 1846. Treated under *Lamprometopia* Macquart, 1846 [*teste* Pape (1996: 93].

[Leclercqiomia]: **Verves (1989b**: **89)**.

CURRENT STATUS: Incorrect subsequent spelling of *Leclercqiomyia* Lehrer, 1976. Treated under *Sarcophaga* Meigen, 1824, subgenus *Heteronychia* Brauer & Bergenstamm, 1889 [*teste* this work].

Leclercqiomyia **Lehrer**, **1976**: **196**.

TYPE SPECIES: *Leclercqiomyia thirionae* Lehrer, 1976, by original designation.

CURRENT STATUS: *Sarcophaga* Meigen, 1824, subgenus *Heteronychia* Brauer & Bergenstamm, 1889 [*teste* Pape (1996: 322)].

Leigongshanophaga **Lehrer & Wei**, **2010**: **10**.

TYPE SPECIES: *Sarcophaga catoptosa* Wei & Yang, 2007 [= *Sarcophaga suthep* Pape & Bänzinger, 2003], by original designation.

CURRENT STATUS: *Sarcophaga* Meigen, 1824, subgenus *Cornexcisia* Fan & Kano,

2000 [*teste* Wang *et al.* (2019: 412)].

Remarks: Verves & Khrokalo (2020: 204) proposed *Leigongshanophaga* Lehrer & Wei, 2010 as a new synonym of *Rosellea* Rohdendorf, 1937, but Xue *et al.* (2011: 320) were earlier in proposing this synonymy. *Sarcophaga catoptosa* Wei & Yang, 2007, which is the type species of *Leigongshanophaga* Lehrer & Wei, 2010, was argued to be a synonym of *Sarcophaga suthep* Pape & Bänziger, 2003 by Wang *et al.* (2022), and we follow Wang *et al.* (2019) in treating this species in *Sarcophaga* Meigen, 1824, subgenus *Cornexcisia* Fan & Kano, 2000.

[Libitina] **Lehrer**, **1971**: **165**.

Current Status: Unavailable name; *nomen nudum*. Treated under *Sarcophaga* Meigen, 1824, subgenus *Sarcophaga* Meigen, 1824 [*teste* this work].

Remarks: No description; seven included species one of which was designated as type species, but a genus-group name proposed after 1930 without a description cannot be made available by the use of one or more available specific names in combination with it, or clearly included under it, or clearly referred to it by bibliographic reference (*Code* Art. 13.6.1).

Libitina **Lehrer**, **1973**: **12**.

Type Species: *Sarcophaga susteri* Lehrer, 1973, by original designation.

Current Status: *Sarcophaga* Meigen, 1824, subgenus *Sarcophaga* Meigen, 1824 [*teste* Pape (1996: 387)].

Remarks: Preoccupied by *Libitina* Schumacher, 1817 (Bivalvia). Proposed as a subgenus of *Sarcophaga* Meigen, 1824. Verves & Khrokalo (2020: 207) treated *Libitina* Lehrer, 1973 as a junior synonym of *Sarcophaga* Meigen, 1824, which matches our concept of *Sarcophaga* (*sensu stricto*).

Liopygiopsis Verves, **1997a**: **40**.

Type Species: *Sarcophaga juliaetta* Aldrich, 1916, by original designation.

Current Status: *Sarcophaga* Meigen, 1824, subgenus *Liopygiopsis* Verves, 1997, **new status**.

Remarks: We consider *Liopygiopsis* Verves, 1997 as contained within *Sarcophaga* Meigen, 1824, and for lack of evidence of its phylogenetic affinities to current subgenera we treat this nominal taxon as a valid subgenus.

Livingstonelia Lehrer, **2003**: **299**.

Type Species: *Sarcophaga gertrudae* Zumpt, 1953, by original designation.

Current Status: *Sarcophaga* Meigen, 1824, subgenus *Livingstonelia* Lehrer, 2003, **new status**.

Remarks: We consider *Livingstonelia* Lehrer, 2003 as contained within *Sarcophaga* Meigen, 1824, and for lack of evidence of its phylogenetic affinities to current subgenera we treat this nominal taxon as a valid subgenus.

[Livingstonella]: **Lehrer (2010e**: **203)**.

Current Status: Incorrect subsequent spelling of *Livingstonelia* Lehrer, 2003. Treated under *Sarcophaga* Meigen, 1824, subgenus *Livingstonelia* Lehrer, 2003 [*teste* this work].

Lucyphalla Lehrer, **2005a**: **115**.

TYPE SPECIES: *Lucyphalla nuzzacii* Lehrer, 2005, by original designation.

CURRENT STATUS: *Sarcophaga* Meigen, 1824, subgenus *Lucyphalla* Lehrer, 2005, **new status**.

REMARKS: We consider *Lucyphalla* Lehrer, 2005 as contained within *Sarcophaga* Meigen, 1824, and for lack of evidence of its phylogenetic affinities to current subgenera we treat this nominal taxon as a valid subgenus. Verves & Khrokalo (2020: 203) dated *Lucyphalla* from 2004, but the correct year is 2005; see References for further information. The new status implies that the type species acquires the combination *Sarcophaga nuzzacii* (Lehrer, 2005), **new comb**.

Macabiella **Lehrer**, **1994a**: **15**.

TYPE SPECIES: *Parasarcophaga paularnaudi* Lehrer, 1981 [= *Sarcophaga czernyi* Böttcher, 1912], by original designation.

CURRENT STATUS: *Sarcophaga* Meigen, 1824, subgenus *Latistyla* Strukan, 1970 [*teste* Pekbey (2020: 349)].

REMARKS: Xue *et al.* (2011: 314) and Verves & Khrokalo (2020: 202) also treated *Macabiella* Lehrer, 1994 as a junior synonym of *Latistyla* Strukan, 1970, but considered the latter as a valid genus. Strukan (1970) proposed *Latistyla* as a subgenus of *Parasarcophaga* Johnson & Tiegs, 1921, whereas Krčmar *et al.* (2019: 134) applied the classification of Pape (1996) and treated *Latistyla* as a subgenus of *Sarcophaga* Meigen, 1824.

Malawithyrsia **Lehrer**, **1994d**: **23**.

TYPE SPECIES: *Malawithyrsia oharai* Lehrer, 1994, by original designation.

CURRENT STATUS: *Sarcophaga* Meigen, 1824, subgenus *Zumptisca* Rohdendorf, 1963 [*teste* Pape (1996: 416)].

REMARKS: Verves & Khrokalo (2020: 112) treated *Malawithyrsia* Lehrer, 1994 as a valid subgenus of *Erwinlindneria* Rohdendorf, 1963, while it was treated as a subgenus of *Beziella* Enderlein, 1928 by Verves *et al.* (2022: 11). We follow the classification of Pape (1996).

Malawixia **Lehrer**, **2011b**: **26**.

TYPE SPECIES: *Malawixia sapitwana* Lehrer, 2011, by original designation.

CURRENT STATUS: *Sarcophaga* Meigen, 1824, subgenus *Zumptiopsis* Lehrer & Lehrer, 1992, **new status**.

REMARKS: Verves & Khrokalo (2020: 153) considered *Malawixia* Lehrer, 2011 as a junior synonym of *Zumptiopsis* Lehrer & Lehrer, 1992, with the latter a subgenus of *Myorhina* Robineau-Desvoidy, 1830. We accept the synonymy but here follow the classification of Pape (1996). The new status implies that the type species acquires the combination *Sarcophaga sapitwana* (Lehrer, 2011), **new comb**.

Malliophalla Lehrer, **1994d**: **30**.

TYPE SPECIES: *Harpagophalloides optata* Zumpt, 1972, by original designation.

CURRENT STATUS: *Sarcophaga* Meigen, 1824, subgenus *Malliophalla* Lehrer, 1994 [*teste* Pape (1996: 360)].

REMARKS: Verves & Khrokalo (2020: 116) treated *Malliophalla* Lehrer, 1994 as a genus, but we follow the classification of Pape (1996).

Mandalania Lehrer, **1994d**: **20**.

Type Species: *Mandalania teskeyi* Lehrer, 1994, by original designation.

Current Status: *Sarcophaga* Meigen, 1824, subgenus *Mandalania* Lehrer, 1994 [*teste* Pape (1996: 361)].

Remarks: Verves & Khrokalo (2020: 185) treated *Mandalania* Lehrer, 1994 as a genus, but we here follow the classification of Pape (1996).

Mauritiella Verves, **1989a**: **33**.

Type Species: *Sarcophaga transvaalensis* Zumpt, 1950, by original designation.

Current Status: *Sarcophaga* Meigen, 1824, subgenus *Mauritiella* Verves, 1989 [*teste* Pape (1996: 361)].

Remarks: Verves & Khrokalo (2020: 116) treated *Mauritiella* Verves, 1989 as a genus, but we follow the classification of Pape (1996).

Mawuphalla Lehrer, **2013b**: **8**.

Type Species: *Mawuphalla antennomyia* Lehrer, 2013, by original designation.

Current Status: *Mawuphalla* Lehrer, 2013 [*teste* Lehrer (2013b: 8)].

Remarks: For lack of evidence of its phylogenetic affinities to current genera within Miltogramminae, we treat *Mawuphalla* Lehrer, 2013 as a valid genus.

[Maxiphalla]: **Verves & Khrokalo (2020**: **83)**.

Current Status: Incorrect subsequent spelling of *Mexiphalla* Lehrer, 2012. Treated under *Blaesoxipha* Loew, 1861, subgenus *Gigantotheca* Townsend, 1917 [*teste* this work].

Membranophalla Verves, **1997a**: **58**.

Type Species: *Sarcophaga membranocorporis* Sugiyama, 1987, by original designation.

Current Status: *Sarcophaga* Meigen, 1824, subgenus *Membranophalla* Verves, 1997, **new status**.

Remarks: We consider *Membranophalla* Verves, 1997 as contained within *Sarcophaga* Meigen, 1824, and for lack of evidence of its phylogenetic affinities to current subgenera we treat this nominal taxon as a valid subgenus.

Metanzania **Lehrer**, **2013e**: **21**.

Type Species: *Metopia monunguis* Pape, 1986, by original designation.

Current Status: *Metopia* Meigen, 1803 [*teste* Verves & Khrokalo (2020: 72)].

[Metapodia]: **Rohdendorf & Verves (1980**: **511)**.

Current Status: Incorrect subsequent spelling of *Metopodia* Brauer & Bergenstamm 1889. Treated under *Metopodia* Brauer & Bergenstamm 1889 [*teste* Pape (1996: 104)].

Mexiphalla **Lehrer**, **2012a**: **6**.

Type Species: *Blaesoxipha mystica* Pape, 1994, by original designation.

Current Status: *Blaesoxipha* Loew, 1861, subgenus *Gigantotheca* Townsend,

1917, **new syn**.

REMARKS: Verves & Khrokalo (2020: 83) proposed *Mexiphalla* Lehrer, 2012 (in error as "*Maxiphalla*") as a junior synonym of *Kurtomyia* Roback, 1954. We follow the classification of Pape (1996).

[Mezopia]: **Verves (1994**: **243)**.

CURRENT STATUS: Incorrect subsequent spelling of *Metopia* Meigen, 1803. Treated under *Metopia* Meigen, 1803 [*teste* Pape (1996: 98)].

[Miltogramidium]: **Verves & Khrokalo (2020**: **66)**.

CURRENT STATUS: Incorrect subsequent spelling of *Miltogrammidium* Rohdendorf, 1930. Treated under *Miltogramma* Meigen, 1803 [*teste* this work].

[Miltogrammadium]: **Verves (1984a**: **18)**.

CURRENT STATUS: Incorrect subsequent spelling of *Miltogrammidium* Rohdendorf, 1930. Treated under *Miltogramma* Meigen, 1803 [*teste* Pape (1996: 106)].

Miltogrammisca **Verves**, **1978**: **640**.

TYPE SPECIES: *Miltogrammisca tsharykulievi* Verves, 1978, by original designation.

CURRENT STATUS: *Miltogramma* Meigen, 1803 [*teste* Pape (1996: 106)].

REMARKS: Type fixation given as by monotypy by Verves (1986: 79), but the original paper explicitly states "type species *M. tsharykulievi*, sp. nov." (Verves 1978: 642).

Mimagria Verves, **2001b**: **147**.

TYPE SPECIES: *Agria xiangchengensis* Chao & Zhang, 1988, by original designation.

CURRENT STATUS: *Mimagria* Verves, 2001 [*teste* Zhang *et al.* (2016: 307)].

Mitumbana Lehrer, **2003**: **323**.

TYPE SPECIES: *Sarcophaga kisangani* Curran, 1934, by original designation.

CURRENT STATUS: *Sarcophaga* Meigen, 1824, subgenus *Mitumbana* Lehrer, 2003, **new status**.

REMARKS: Verves & Khrokalo (2020: 112) treated *Mitumbana* Lehrer, 2003 as a subgenus of *Erwinlindneria* Rohdendorf, 1963, whereas Verves *et al.* (2022: 14) placed it as a subgenus of *Beziella* Enderlein, 1928. We consider *Mitumbana* Lehrer, 2003 as contained within *Sarcophaga* Meigen, 1824, and for lack of evidence of its phylogenetic affinities to current subgenera we treat this nominal taxon as a valid subgenus.

Montagnieria Lehrer, **2005a**: **118**.

TYPE SPECIES: *Montagnieria todiscoae* Lehrer, 2005, by original designation.

CURRENT STATUS: *Sarcophaga* Meigen, 1824, subgenus *Montagnieria* Lehrer, 2005, **new status**.

REMARKS: Verves & Khrokalo (2020: 118) treated *Montagnieria* Lehrer, 2005 as a genus. We consider *Montagnieria* Lehrer, 2005 as contained within *Sarcophaga* Meigen, 1824, and for lack of evidence of its phylogenetic affinities to current

subgenera we treat this nominal taxon as a valid subgenus. Verves & Khrokalo (2020: 118) dated *Montagnieria* from 2004, but the correct year is 2005; see References for further information. The new status implies that the type species acquires the combination *Sarcophaga todiscoae* (Lehrer, 2005), **new comb**.

[Montangieria]: **Verves & Khrokalo (2020**: **118)**.

CURRENT STATUS: Incorrect subsequent spelling of *Montagnieria* Lehrer, 2005. Treated under *Sarcophaga* Meigen, 1824, subgenus *Montagnieria* Lehrer, 2005 [*teste* this work].

Mufindia Verves, **1990**: **542**.

TYPE SPECIES: *Sarcophaga tanzaniae* Zumpt, 1972, by original designation.

CURRENT STATUS: *Sarcophaga* Meigen, 1824, subgenus *Mufindia* Verves, 1990 [*teste* Pape (1996: 364)].

REMARKS: Accepted here as a monotypic subgenus of *Sarcophaga* Meigen, 1824 pending further information on its phylogenetic relationships.

[Myiochromum]: **Rohdendorf & Verves (1980**: **460)**.

CURRENT STATUS: Incorrect subsequent spelling of *Myochromum* Rohdendorf, 1930. Treated under *Miltogramma* Meigen, 1803 [*teste* this work].

Nagpuria Verves, **1997b**: **86**.

TYPE SPECIES: *Kozlovea vervesi* Nandi, 1993, by original designation.

CURRENT STATUS: *Sarcophaga* Meigen, 1824, subgenus *Nagpuria* Verves, 1997, **new status**.

REMARKS: We consider this nominal taxon as contained within *Sarcophaga* Meigen, 1824, but *Kozlovea vervesi* Nandi, 1993 apparently does not possess what are here considered the most distinctive diagnostic autapomorphies for *Kozlovea* Rohdendorf, 1937, i.e., the asymmetric distal part of the paraphallus and the differently-sized lateral styli with widened, funnel-like tips. For lack of evidence of its phylogenetic affinities to current subgenera we treat *Nagpuria* Verves, 1997 as a valid subgenus.

Nandimyia Verves, **1997b**: **85**.

TYPE SPECIES: *Harpagophalla panchganiensis* Nandi, 1993, by original designation.

CURRENT STATUS: *Sarcophaga* Meigen, 1824, subgenus *Nandimyia* Verves, 1997, **new status**.

REMARKS: We consider *Nandimyia* Verves, 1997 as contained within *Sarcophaga* Meigen, 1824, and for lack of evidence of its phylogenetic affinities to current subgenera we treat this nominal taxon as a valid subgenus.

Nesbittia Verves, **1989a**: **35**.

TYPE SPECIES: *Sarcophaga dysderci* Villeneuve, 1936, by original designation.

CURRENT STATUS: *Sarcophaga* Meigen, 1824, subgenus *Nesbittia* Verves, 1989 [*teste* Pape (1996: 369)].

REMARKS: Proposed as a subgenus of *Phytosarcophaga* Rohdendorf, 1937.

Nguyenia **Lehrer**, **2003**: **338**.

TYPE SPECIES: *Sarcophaga bulamatadi* Curran, 1934, by original designation.

CURRENT STATUS: *Sarcophaga* Meigen, 1824, subgenus *Zumptisca* Rohdendorf, 1963, **new syn**.

REMARKS: Verves & Khrokalo (2020: 113) treated *Nguyenia* Lehrer, 2003 as a subgenus of *Erwinlindneria* Rohdendorf, 1963, whereas Verves *et al.* (2022: 11) placed it as a subgenus of *Beziella* Enderlein, 1928. We consider *Nguyenia* Lehrer, 2003 as contained within *Sarcophaga* Meigen, 1824, and for lack of evidence of its phylogenetic affinities to current subgenera we follow Pape (1996: 416), who placed the type species in the subgenus *Zumptisca* Rohdendorf, 1963.

Nigerimyia Verves, **1989a**: **32**.

TYPE SPECIES: *Sarcophaga pomeroyi* Zumpt, 1967, by original designation.

CURRENT STATUS: *Sarcophaga* Meigen, 1824, subgenus *Nigerimyia* Verves, 1989 [*teste* Pape (1996: 370)].

REMARKS: Proposed as a subgenus of *Phytosarcophaga* Rohdendorf, 1937. Accepted here as a monotypic subgenus of *Sarcophaga* Meigen, 1824 pending further information on its phylogenetic relationships.

Nuzzaciella Lehrer, **1994d**: **18**.

TYPE SPECIES: *Nuzzaciella londti* Lehrer, 1994, by original designation.

CURRENT STATUS: *Sarcophaga* Meigen, 1824, subgenus *Nuzzaciella* Lehrer, 1994 [*teste* Pape (1996: 370)].

REMARKS: Verves & Khrokalo (2020: 186) treated *Nuzzaciella* Lehrer, 1994 as a genus, but we follow the classification of Pape (1996) and treat *Nuzzaciella* as a monotypic subgenus of *Sarcophaga* Meigen, 1824 pending further information on its phylogenetic relationships.

Nyctellisca **Verves & Khrokalo**, **2019**: **138**.

TYPE SPECIES: *Nyctella egregia* Zimin, 1928 (automatic for a new replacement name).

CURRENT STATUS: *Senotainia* Macquart, 1846 [*teste* Pape (1996: 133)].

REMARKS: New replacement name for *Nyctella* Zimin, 1928, preoccupied by *Nyctella* Reuter, 1905 [Hemiptera]. Pape (1996: 29) noted that *Senotainia* "shows no distinctive autapomorphies", and molecular data indicate that the genus may be polyphyletic in its current circumscription (Johnston *et al.* 2020a, 2020b).

Nyikamyia Lehrer, **1994b**: **213**.

TYPE SPECIES: *Nyikamyia barracloughiana* Lehrer, 1994, by original designation.

CURRENT STATUS: *Sarcophaga* Meigen, 1824, subgenus *Nyikamyia* Lehrer, 1994 [*teste* Pape (1996: 371)].

REMARKS: Verves & Khrokalo (2020: 203) treated *Nyikamyia* Lehrer, 1994 as a genus, but we follow the classification of Pape (1996) pending further information on its phylogenetic relationships.

Occultophalla **Lehrer**, **1994a**: **14**.

Type Species: *Parasarcophaga emdeni* Rohdendorf, 1969, by original designation.

Current Status: *Sarcophaga* Meigen, 1824, subgenus *Liosarcophaga* Enderlein, 1928 [*teste* Pape (1996: 348)].

Remarks: Verves & Khrokalo (2020: 172) proposed *Occultophalla* Lehrer, 1994 as a new synonym of the subgenus *Liosarcophaga* within the genus *Liosarcophaga* Enderlein, 1928, but Pape (1996: 348) was earlier in proposing this synonymy.

[Oestrosomia]: **Verves (1986**: **108)**.

Current Status: Incorrect subsequent spelling of *Oestrosomomyia* Townsend, 1932. Treated under *Oestrosomomyia* Townsend, 1932, an unplaced nominal genus of Miltogramminae [*teste* Pape (1996: 156)].

Palaeobrasia **Verves & Khrokalo in Verves *et al.***, **2022**: **11**.

Type Species: *Sarcophaga kadeisi* Salem, 1938, by original designation.

Current Status: *Sarcophaga* Meigen, 1824, subgenus *Beziella* Enderlein, 1937, **new syn**.

Remarks: Proposed as a subgenus of *Beziella* Enderlein, 1937. *Sarcophaga kadeisi* Salem, 1938 was not assigned to a subgenus by Pape (1996: 417), and with no evidence of its phylogenetic affinities apart from it being part of the subgenus *Beziella* Enderlein, 1937, we do not find any justification for maintaining a monotypic genus-group taxon for this species.

Parabellieria **Verves**, **1987**: **664**.

Type Species: *Sarcophaga melanura* Meigen, 1826, by original designation.

Current Status: *Sarcophaga* Meigen, 1824, subgenus *Helicophagella* Enderlein, 1928 [*teste* Pape (1996: 318)].

Remarks: Proposed as a subgenus of *Helicophagella* Enderlein, 1928. Molecular analyses do not support a monophyletic *Helicophagella* in the sense of Pape (1996) (Buenaventura & Pape 2017; Buenaventura *et al.* 2017; Buenaventura *et al.* 2019), and morphological support is feeble (Blackith *et al.* 1998); thus, with evidence still being inconclusive, we retain the classification of Pape (1996).

[Paraphaloides]: **Lehrer (2013b**: **7)**.

Current Status: Incorrect original spelling of *Paraphalloides* Lehrer, 2013. Treated under *Hoplacephala* Macquart, 1846 [*teste* this work].

Remarks: Lehrer (2013a) used the spelling *Paraphaloides* twice in the abstract and once in the main text (p. 7), and used the spelling *Paraphalloides* twice in the abstract (p. 6) and six times in the main text (pp. 7, 10, 11). We act as First Reviser and choose *Paraphalloides* as the correct original spelling.

Paraphalloides **Lehrer**, **2013b**: **10**.

Type Species: *Paraphalloides epiphallops* Lehrer, 2013, by original designation.

Current Status: *Hoplacephala* Macquart, 1846 [*teste* Verves & Khrokalo (2020: 67)].

[Paratattisca]: **Povolný & Verves (1990**: **318)**.

CURRENT STATUS: Incorrect subsequent spelling of *Parathalattisca* Rohdendorf, 1963. Treated under *Sarcophaga* Meigen, 1824, subgenus *Liosarcophaga* Enderlein, 1928 [*teste* this work].

[Parathalathisca]: **Lehrer (2006**: **9)**.

CURRENT STATUS: Incorrect subsequent spelling of *Parathalattisca* Rohdendorf, 1963. Treated under *Sarcophaga* Meigen, 1824, subgenus *Liosarcophaga* Enderlein, 1928 [*teste* this work].

[Parathalatisca]: **Lehrer & Oprisan (2013**: **23)**.

CURRENT STATUS: Incorrect subsequent spelling of *Parathalattisca* Rohdendorf, 1963. Treated under *Sarcophaga* Meigen, 1824, subgenus *Liosarcophaga* Enderlein, 1928 [*teste* this work].

[Parathallattisca]: **Verves & Khrokalo (2020**: **182)**.

CURRENT STATUS: Incorrect subsequent spelling of *Parathalattisca* Rohdendorf, 1963. Treated under *Sarcophaga* Meigen, 1824, subgenus *Liosarcophaga* Enderlein, 1928 [*teste* this work].

Perisimyia Xue & Verves, **2009**: **45**.

TYPE SPECIES: *Perisimyia perisi* Xue & Verves, 2009, by original designation.

CURRENT STATUS: *Sarcophaga* Meigen, 1824, subgenus *Perisimyia* Xue & Verves, 2009, **new status**.

REMARKS: We consider *Perisimyia* Xue & Verves, 2009 as contained within *Sarcophaga* Meigen, 1824, and for lack of evidence of its phylogenetic affinities to current subgenera we treat this nominal taxon as a valid subgenus. The new status implies that the type species acquires the combination *Sarcophaga perisi* (Xue & Verves, 2009), **new comb**.

Petuniophalla Lehrer, **1994b**: **211**.

TYPE SPECIES: *Petuniophalla stuckenbergiana* Lehrer, 1994, by original designation.

CURRENT STATUS: *Sarcophaga* Meigen, 1824, subgenus *Petuniophalla* Lehrer, 1994 [*teste* Pape (1996: 376)].

REMARKS: Verves & Khrokalo (2020: 106) proposed *Petuniophalla* Lehrer, 1994 as a new synonym of the genus *Camerounisca* Verves, 1989, but we follow the classification of Pape (1996) and, for lack of evidence of its phylogenetic affinities to current subgenera, treat *Petuniophalla* Lehrer, 1994 as a monotypic subgenus.

Phallonychia Verves, **1982b**: **189**.

TYPE SPECIES: *Parasarcophaga oshimensis* Kano & Field, 1964, by original designation.

CURRENT STATUS: *Sarcophaga* Meigen, 1824, subgenus *Phallonychia* Verves, 1982

[*teste* Pape (1996: 378)].

Remarks: Proposed as a subgenus of *Parasarcophaga* Johnston & Tiegs, 1921. Type designation given as by monotypy by Verves (1986: 171), but the original paper explicitly points to *Parasarcophaga oshimensis* Kano & Field, 1964 as the "typical species" (translation as given in *Entomological Review*) in the format usual for type designations.

Phallornata **Lehrer**, **2012a**: **5**.

Type Species: *Sarcophaga hetaera* Reinhard, 1952, by original designation.

Current Status: *Blaesoxipha* Loew, 1861, subgenus *Gigantotheca* Townsend, 1917, **new syn**.

Remarks: Treated as a valid genus by Verves & Khrokalo (2020: 84), but we follow the phylogeny of Pape (1994) and the classification of Pape (1996).

[Phalloronata]: **Lehrer (2012a**: **5)**.

Current Status: Incorrect original spelling of *Phallornata* Lehrer, 2012. First Reviser = Verves & Khrokalo (2020: 84). Treated under *Blaesoxipha* Loew, 1861, subgenus *Gigantotheca* Townsend, 1917 [*teste* this work].

Remarks: Verves & Khrokalo (2020: 84) listed the spelling *Phalloronata* as an incorrect subsequent spelling of *Phallornata,* but explicitly pointed to Lehrer (2012a: 5), thereby qualifying as First Reviser.

Pharaonops Lehrer, **2003**: **366**.

Type Species: *Sarcophaga tewfiki* Salem, 1940, by original designation.

Current Status: *Sarcophaga* Meigen, 1824, subgenus *Pharaonops* Lehrer, 2003, **new status**.

Remarks: Verves & Khrokalo (2020: 184) treated *Pharaonops* Lehrer, 2003 as a subgenus of *Liosarcophaga* Enderlein, 1928, and the presence of somewhat similar arm-like processes antero-basally on the juxta may be in support of this. However, there is a marked similarity between *Sarcophaga tewfiki* and *S. schoemani* Zumpt, 1951 with regard to the configuration of the male cercus as well as the shape of the appendages of the phallus; these similarities had not previously been noted, but they are here considered evidence that these two species are sister taxa. Zumpt (1972) placed *Sarcophaga schoemani* in the subgenus *Seniorwhitea* Rohdendorf, 1937, which may be supported by the dorsal, subapical tuft of setae on the male cercus. Lehrer (2003) followed Rohdendorf (1963) in placing *S. schoemani* in the genus *Ceratophalla* Rohdendorf, 1963, whereas Pape (1996) listed both *S. schoemani* and *S. tewfiki* under "Species of *Sarcophaga* not assigned to subgenus". For lack of evidence of its phylogenetic affinities to current subgenera we treat *Pharaonops* Lehrer, 2003 as a valid subgenus containing *S. schoemani* and *S. tewfiki*.

Philiphaga Lehrer, **2008b**: **8**.

Type Species: *Philiphaga batangomyia* Lehrer, 2008, by original designation.

Current Status: *Sarcophaga* Meigen, 1824, subgenus *Philiphaga* Lehrer, 2008,

new status.

REMARKS: Verves & Khrokalo (2020: 155) treated *Philiphaga* Lehrer, 2008 as a valid genus. We consider *Philiphaga* Lehrer, 2008 as contained within *Sarcophaga* Meigen, 1824, and for lack of evidence of its phylogenetic affinities to current subgenera we treat this nominal taxon as a valid subgenus. The new status implies that the type species acquires the combination *Sarcophaga batangomyia* (Lehrer, 2008), **new comb**.

Pierretiomima **Verves**, **1997a**: **46**.

TYPE SPECIES: *Sarcophaga demeilloni* Zumpt, 1950, by original designation.

CURRENT STATUS: *Sarcophaga* Meigen, 1824, subgenus *Afrothyrsocnema* Rohdendorf, 1963, **new syn**.

REMARKS: Proposed as a subgenus of *Myorhina* Robineau-Desvoidy, 1830. We follow the classification of Pape (1996) and consider *Sarcophaga demeilloni* Zumpt, 1950 as better placed within the Afrotropical taxon *Afrothyrsocnema* Rohdendorf, 1963, all species of which have reddish male terminalia.

Poseidonimyia Verves, **1997a**: **56**.

TYPE SPECIES: *Heteronychia simplex* Loew, 1967, by original designation.

CURRENT STATUS: *Sarcophaga* Meigen, 1824, subgenus *Poseidonimyia* Verves, 1997, **new status**.

REMARKS: We consider *Poseidonimyia* Verves, 1997 as contained within *Sarcophaga* Meigen, 1824, and for lack of evidence of its phylogenetic affinities to current subgenera we treat this nominal taxon as a valid subgenus.

Povolnymyia Verves, **1997a**: **51**.

TYPE SPECIES: *Bellieriomima lingulata* Ye, 1980, by original designation.

CURRENT STATUS: *Sarcophaga* Meigen, 1824, subgenus *Povolnymyia* Verves, 1997, **new status**.

REMARKS: We consider *Povolnymyia* Verves, 1997 as contained within *Sarcophaga* Meigen, 1824, and for lack of evidence of its phylogenetic affinities to current subgenera we treat this nominal taxon as a valid subgenus.

Prohoplacephala **Verves**, **1994**: **246**.

TYPE SPECIES: *Hoplocaphalonea hafezi* Rohdendorf, 1975, by original designation.

CURRENT STATUS: *Hoplacephala* Macquart, 1846 [*teste* Pape (1996: 90)].

Pseudaethiopisca Verves, **1989a**: **36**.

TYPE SPECIES: *Sarcophaga dinuzului* Zumpt, 1972, by original designation.

CURRENT STATUS: *Sarcophaga* Meigen, 1824, subgenus *Pseudaethiopisca* Verves, 1989 [*teste* Pape (1996: 381)].

REMARKS: Accepted here as a monotypic subgenus of *Sarcophaga* Meigen, 1824 pending further information on its phylogenetic relationships.

Pseudobellieriomima Verves, **2001a**: **239**.

Type Species: *Pierretia wyatti* Nandi, 1994, by original designation.

Current Status: *Sarcophaga* Meigen, 1824, subgenus *Pseudobellieriomima* Verves, 2001, **new status**.

Remarks: We consider *Pseudobellieriomima* Verves, 2001 as contained within *Sarcophaga* Meigen, 1824, and for lack of evidence of its phylogenetic affinities to current subgenera we treat this nominal taxon as a valid subgenus.

Pterolobomyia Lehrer, **1993b**: **36**.

Type Species: *Pterolobomyia einsteiniella* Lehrer, 1993, by original designation.

Current Status: *Sarcophaga* Meigen, 1824, subgenus *Pterolobomyia* Lehrer, 1993 [*teste* Pape (1996: 382)].

Remarks: Verves & Khrokalo (2020: 152) treated *Pterolobomyia* Lehrer, 1993 as a valid genus, but we follow the classification of Pape (1996). Verves & Khrokalo (2020: 152) dated *Pterolobomyia* from 1992, but the correct year is 1993; see References for further information.

Radamaia **Lehrer**, **2003**: **393**.

Type Species: *Sarcophaga sympaestria* Zumpt, 1964, by original designation.

Current Status: *Sarcophaga* Meigen, 1824, subgenus *Liosarcophaga* Enderlein, 1928, **new syn**.

Remarks: Verves & Khrokalo (2020: 184) treated *Radamaia* Lehrer, 2003 as a subgenus of *Liosarcophaga* Enderlein, 1928. We accept the placement within *Liosarcophaga* but here follow the classification of Pape (1996).

Ranavalona Lehrer, **2003**: **396**.

Type Species: *Sarcophaga stuckenbergi* Zumpt, 1964, by original designation.

Current Status: *Sarcophaga* Meigen, 1824, subgenus *Ranavalona* Lehrer, 2003, **new status**.

Remarks: Lehrer (2003) proposed *Ranavalona* with no mention of *Stuckenbergiella* Verves, 1997, which was proposed with the same type species. However, the latter is preoccupied by *Stuckenbergiella* Cogan, 1971 (Diptera: Heleomyzidae) and thus permanently invalid.

Reducitheca **Lehrer**, **2013d**: **17**.

Type Species: *Reducitheca pitoliana* Lehrer, 2013, by original designation.

Current Status: *Lamprometopia* Macquart, 1846 [*teste* Verves & Khrokalo (2020: 69)].

Robertiana **Lehrer**, **2000**: **58**.

Type Species: *Sarcophaga vanriebeecki* Zumpt, 1953, by original designation.

Current Status: *Sarcophaga* Meigen, 1824, subgenus *Liosarcophaga* Enderlein,

1928, **new syn**.

REMARKS: Verves & Khrokalo (2020: 185) considered *Robertiana* Lehrer, 2000 as a subgenus of *Liosarcophaga* Enderlein, 1928. We accept the placement within *Liosarcophaga* but here follow the classification of Pape (1996).

Rohdendorfiella **Verves**, **1979c**: **180**.

TYPE SPECIES: *Rohdendorfiella grunini* Verves, 1979, by original designation.

CURRENT STATUS: *Miltogramma* Meigen, 1803 [*teste* Pape (1996: 106)].

Rohdendorfomyia **Verves**, **1978**: **638**.

TYPE SPECIES: *Rohdendorfomyia ukrainica* Verves, 1978, by original designation.

CURRENT STATUS: *Miltogramma* Meigen, 1803 [*teste* Pape (1996: 106)].

REMARKS: Type fixation given as by monotypy by Verves (1986: 85), but the original paper explicitly states "Type species is R. Ukrainica, sp. nov." (Verves 1978: 642).

[Rohdendorformia]: **Verves (1978**: **642)**.

CURRENT STATUS: Incorrect original spelling of *Rohdendorfomyia* Verves, 1978. First Reviser = Pape (1996: 106). Treated under *Rohdendorfomyia* Verves 1978 as a junior synonym of *Miltogramma* Meigen, 1803 [*teste* Pape (1996: 106)].

Rossikenya **Lehrer**, **2009b**: **12**.

TYPE SPECIES: *Rossikenya retrostylata* Lehrer, 2009, by original designation.

CURRENT STATUS: *Sarcophaga* Meigen, 1824, subgenus *Zumptisca* Rohdendorf, 1963, **new status**.

REMARKS: Verves & Khrokalo (2020: 113) treated *Rossikenya* Lehrer, 2009 as a valid subgenus of *Erwinlindneria* Rohdendorf, 1963, whereas Verves *et al.* (2022: 18) treated it as a junior synonym of *Zumptisca* Rohdendorf, 1963, as a subgenus of *Beziella* Enderlein, 1928. We follow the classification of Pape (1996), with *Zumptisca* Rohdendorf, 1963 and *Beziella* Enderlein, 1928 as separate subgenera. The new status implies that the type species acquires the combination *Sarcophaga retrostylata* (Lehrer, 2009), **new comb**.

Sabakia Lehrer, **2005b**: **38**.

TYPE SPECIES: *Sabakia tanzaniella* Lehrer, 2005, by original designation.

CURRENT STATUS: *Sarcophaga* Meigen, 1824, subgenus *Sabakia* Lehrer, 2005, **new status**.

REMARKS: Verves & Khrokalo (2020: 122) treated *Sabakia* Lehrer, 2005 as a valid genus. We consider this nominal taxon as contained within *Sarcophaga* Meigen, 1824, and for lack of evidence of its phylogenetic affinities to current subgenera we treat *Sabakia* Lehrer, 2005 as a valid subgenus. The new status implies that the type species acquires the combination *Sarcophaga tanzaniella* (Lehrer, 2005), **new comb**.

Sabiella Verves, **1990**: **542**.

TYPE SPECIES: *Sarcophaga freyi* Zumpt, 1953, by original designation.

CURRENT STATUS: *Sarcophaga* Meigen, 1824, subgenus *Sabiella* Verves, 1990 [*teste* Pape (1996: 387)].

REMARKS: Accepted here as a monotypic subgenus of *Sarcophaga* Meigen, 1824 pending further information on its phylogenetic relationships.

[Sacophaga]: **Lehrer (2008a**: **2)**.

CURRENT STATUS: Incorrect subsequent spelling of *Sarcophaga* Meigen, 1824. Treated under *Sarcophaga* Meigen, 1824 [*teste* this work].

Salemiophalla **Lehrer**, **1995b**: **162**.

TYPE SPECIES: *Sarcophaga desertorum* Salem, 1935, by original designation.

CURRENT STATUS: *Sarcophaga* Meigen, 1824, subgenus *Heteronychia* Brauer & Bergenstamm, 1889 [*teste* Pape (1996: 322)].

REMARKS: Verves & Khrokalo (2020: 125) treated *Salemiophalla* Lehrer, 1995 as a junior synonym of the subgenus *Asceloctis* Enderlein, 1928 in the valid genus *Heteronychia* Brauer & Bergenstamm, 1889. We treat *Heteronychia* as a subgenus following the classification of Pape (1996).

Salemmyia Verves, **2001c**: **331**.

TYPE SPECIES: *Sarcophaga austenii* Salem, 1938, by original designation.

CURRENT STATUS: *Sarcophaga* Meigen, 1824, subgenus *Salemmyia* Verves, 2001, **new status**.

REMARKS: We consider *Salemmyia* Verves, 2001 as contained within *Sarcophaga* Meigen, 1824, and for lack of evidence of its phylogenetic affinities to current subgenera we treat this nominal taxon as a valid subgenus.

[Santchia]: **Verves (1982a**: **254)**.

CURRENT STATUS: Incorrect subsequent spelling of *Santschia* Townsend, 1919. Treated under *Blaesoxipha* Loew, 1861, subgenus *Blaesoxipha* Loew, 1861 [*teste* Pape (1996: 187)].

Saputaramyia Verves, **2001a**: **243**.

TYPE SPECIES: *Parasarcophaga saputaraensis* Nandi, 1992, by original designation.

CURRENT STATUS: *Sarcophaga* Meigen, 1824, subgenus *Saputaramyia* Verves, 2001, **new status**.

REMARKS: We consider *Saputaramyia* Verves, 2001 as contained within *Sarcophaga* Meigen, 1824, and for lack of evidence of its phylogenetic affinities to current subgenera we treat this nominal taxon as a valid subgenus.

[Sarcolimba]: **Verves & Khrokalo (2020**: **113)**.

CURRENT STATUS: Incorrect subsequent spelling of *Sarconimba* Lehrer, 2005. Treated under *Sarcophaga* Meigen, 1824, subgenus *Uroxanthisca* Rohdendorf, 1963 [*teste* this work].

Sarconandia Lehrer, **2005b**: **42**.

TYPE SPECIES: *Sarconandia madrasiola* Lehrer, 2005, by original designation.

CURRENT STATUS: *Sarcophaga* Meigen, 1824, subgenus *Sarconandia* Lehrer, 2005, **new status**.

REMARKS: Verves & Khrokalo (2020: 197) treated *Sarconandia* Lehrer, 2005 as a genus. We consider this nominal taxon as contained within *Sarcophaga* Meigen, 1824, and for lack of evidence of its phylogenetic affinities to current subgenera we treat *Sarconandia* Lehrer, 2005 as a valid subgenus. The new status implies that the type species acquires the combination *Sarcophaga madrasiola* (Lehrer, 2005), **new comb**.

Sarconimba **Lehrer**, **2005b**: **44**.

TYPE SPECIES: *Sarconimba liberiphaga* Lehrer, 2005, by original designation.

CURRENT STATUS: *Sarcophaga* Meigen, 1824, subgenus *Uroxanthisca* Rohdendorf, 1963, **new syn**.

REMARKS: Verves & Khrokalo (2020: 113) treated *Sarconimba* Lehrer, 2005 as a subgenus of *Erwinlindneria* Rohdendorf, 1963, whereas Verves *et al.* (2022: 16) placed it as a subgenus of *Beziella* Enderlein, 1928. We follow the classification of Pape (1996) in treating *Beziella* as a junior synonym of *Sarcophaga* Meigen, 1824, subgenus *Uroxanthisca* Rohdendorf, 1963. The new synonymy implies that the type species acquires the combination *Sarcophaga liberiphaga* (Lehrer, 2005), **new comb**.

[Sarcopgaga]: **Lehrer (2013g**: **17)**.

CURRENT STATUS: Incorrect subsequent spelling of *Sarcophaga* Meigen, 1824. Treated under *Sarcophaga* Meigen, 1824 [*teste* this work].

Sarcotakaops **Lehrer**, **1985**: **307**.

TYPE SPECIES: *Sarcotakaops arnaudiella* Lehrer, 1985 [= *Sarcophaga okazakii* Kano, 1953], by original designation.

CURRENT STATUS: *Sarcophaga* Meigen, 1824, subgenus *Kanoa* Rohdendorf, 1965 [*teste* Pape (1996: 340)].

REMARKS: Verves & Khrokalo (2020: 167) attributed the synonymy of *Sarcotakaops arnaudiella* Lehrer, 1985 with *Sarcophaga okazakii* Kano, 1953 to Lehrer (1997), but Shinonaga & Pape (1995) were earlier in proposing this synonymy.

[Sarraceniaomyia]: **Verves (1997a**: **42)**.

CURRENT STATUS: Incorrect subsequent spelling of *Sarraceniomyia* Townsend, 1917. Treated under *Sarcophaga* Meigen, 1824, subgenus *Bercaeopsis* Townsend, 1917 [*teste* Pape (1996: 304)].

[Senotainella]: **Verves (1986**: **61)**.

CURRENT STATUS: Incorrect subsequent spelling of *Senotainiella* Zumpt, 1952. Treated under *Amobia* Robineau-Desvoidy, 1835 [*teste* Pape (1996: 72)].

Seselwana Lehrer, **2003**: **424**.

TYPE SPECIES: *Sarcophaga aldabrae* Zumpt, 1973, by original designation.

CURRENT STATUS: *Sarcophaga* Meigen, 1824, subgenus *Seselwana* Lehrer, 2003, **new status**.

REMARKS: Verves & Khrokalo (2020: 158) treated *Seselwana* Lehrer, 2003 as a valid genus. We consider this nominal taxon as contained within *Sarcophaga* Meigen, 1824, and for lack of evidence of its phylogenetic affinities to current subgenera we treat *Seselwana* Lehrer, 2003 as a valid subgenus.

Setasarcophaga **Verves & Khrokalo**, **2020**: **165**.

TYPE SPECIES: *Sarcophaga phallosoma* Zumpt, 1972, by original designation.

CURRENT STATUS: *Sarcophaga* Meigen, 1824, subgenus *Liosarcophaga* Enderlein, 1928, **new syn**.

REMARKS: Originally proposed as a subgenus of *Liosarcophaga* Enderlein, 1928. We accept this placement but follow the classification of Pape (1996).

Shinonagaella **Verves**, **1997a**: **48**.

Type Species: *Pierretia urceola* Shinonaga & Beaver, 1979, by original designation.

Current Status: *Sarcophaga* Meigen, 1824, subgenus *Sarcorohdendorfia* Baranov, 1938, **new syn**.

Remarks: Proposed as a subgenus of *Myorhina* Robineau-Desvoidy, 1830. Pape (1996: 419) placed *Pierretia urceola* Shinonaga & Beaver, 1979 under "Species of *Sarcophaga* not assigned to subgenus". Kurahashi & Tan (2012) proposed *Lehisca cameroni* as a new genus and new species, which Barták *et al.* (2019: 50) synonymised with *Shinonagaella* Verves, 1997 and *Pierretia urceola* Shinonaga & Beaver, 1979, respectively. Kurahashi *et al.* (2021) accepted the synonymy and applied *Shinonagaella* Verves, 1997 as a valid genus, but we are here proposing a synonymy with *Sarcorohdendorfia* Baranov, 1938 based on the setose proanepisternum and anatergite with ventrally-directed setae along ventral margin. To our knowledge, these two character states are simultaneously present only in *Sarcorohdendorfia* as defined by Pape (1996).

Shoachaeta **Lehrer**, **1997b**: **78**.

Type Species: *Sarcophaga amita* Rondani, 1861, by original designation.

Current Status: *Sarcophaga* Meigen, 1824, subgenus *Heteronychia* Brauer & Bergenstamm, 1889 [*teste* Whitmore 2011: 21].

Remarks: Verves & Khrokalo (2020: 123) proposed *Shoachaeta* Lehrer, 1997 as a new synonym of *Discachaeta* Enderlein, 1928. The latter is here considered a synonym of the subgenus *Heteronychia* Brauer & Bergenstamm, 1889 in the genus *Sarcophaga* Meigen, 1824, following Whitmore *et al.* (2013).

Sinopierretia Verves, **1997a**: **53**.

Type Species: *Pierretia bihami* Qian & Fan, 1981, by original designation.

Current Status: *Sarcophaga* Meigen, 1824, subgenus *Sinopierretia* Verves, 1997, **new status**.

Remarks: Proposed as a subgenus of *Athyrsomima* Rohdendorf, 1937. We consider *Sinopierretia* Verves, 1997 as contained within *Sarcophaga* Meigen, 1824, and for lack of evidence of its phylogenetic affinities to current subgenera we treat this nominal taxon as a valid subgenus.

Sokotriella Lehrer, **2005b**: **46**.

Type Species: *Sokotriella jamila* Lehrer, 2005, by original designation.

Current Status: *Sarcophaga* Meigen, 1824, subgenus *Sokotriella* Lehrer, 2005, **new status**.

Remarks: We consider *Sokotriella* Lehrer, 2005 as contained within *Sarcophaga* Meigen, 1824, and for lack of evidence of its phylogenetic affinities to current subgenera we treat this nominal taxon as a valid subgenus. The new status implies that the type species acquires the combination *Sarcophaga jamila* (Lehrer, 2005), **new comb**.

[Sphetapatoclea]: **Verves**, **Khrokalo & Verves (2019**: **3)**.

Current Status: Incorrect subsequent spelling of *Sphecapatoclea* Villeneuve, 1909. Treated under *Sphecapatoclea* Villeneuve, 1909 [*teste* this work].

Spinosarcophaga **Verves & Khrokalo**, **2020**: **165**.

TYPE SPECIES: *Sarcophaga namaquensis* Zumpt, 1951, by original designation.

CURRENT STATUS: *Sarcophaga* Meigen, 1824, subgenus *Prionophalla* Rohdendorf, 1963, **new syn**.

REMARKS: Proposed as a subgenus of *Ceratophalla* Rohdendorf, 1963. We follow the classification of Pape (1996), where *Sarcophaga namaquensis* Zumpt, 1951 is treated in the subgenus *Prionophalla* Rohdendorf, 1963.

Spinuphalla Lehrer, **2013b**: **11**.

TYPE SPECIES: *Spinuphalla juxtina* Lehrer, 2013, by original designation.

CURRENT STATUS: *Dolichotachina* Villeneuve, 1913, **new syn**.

REMARKS: Verves & Khrokalo (2020: 71) treated *Spinuphalla* Lehrer, 2013 as a junior synonym of *Metopodiella* Zumpt, 1961, but we follow the classification of Pape (1996). The new synonymy implies that the type species will have the combination *Dolichotachina juxtina* (Lehrer, 2013), **new comb**.

Stuckenbergiella **Verves**, **1997a**: **38**.

TYPE SPECIES: *Sarcophaga stuckenbergi* Zumpt, 1964, by original designation.

CURRENT STATUS: *Sarcophaga* Meigen, 1824, subgenus *Ranavalona* Lehrer, 2003, **new status**.

REMARKS: Preoccupied by *Stuckenbergiella* Cogan, 1971 (Diptera: Heleomyzidae). Pape (1996: 417) listed *Sarcophaga stuckenbergi* Zumpt, 1964 under "Species of *Sarcophaga* not assigned to subgenus". We consider *Stuckenbergiella* Verves, 1997 as contained within *Sarcophaga* Meigen, 1824, and for lack of evidence of phylogenetic affinities of *Sarcophaga stuckenbergi* Zumpt, 1964 to current subgenera we accept its classification in a monotypic subgenus. With *Stuckenbergiella* Verves, 1997 being preoccupied, the valid name of this taxon is *Ranavalona* Lehrer, 2003.

[Styloneuria]: **Verves (1982c**: **551)**.

CURRENT STATUS: Misidentification, not *Styloneuria* Brauer & Bergenstamm, 1891 (Calliphoridae). Treated under *Sphenometopa* Townsend, 1908 [*teste* Pape (1996: 145)].

REMARKS: The nominal genus *Styloneuria* Brauer & Bergenstamm, 1891 is currently considered a junior synonym of *Phyto* Robineau-Desvoidy, 1830 (Calliphoridae) (Cerretti *et al.* 2020).

[Sudafricana] **Lehrer**, **1971**: **165**.

CURRENT STATUS: Unavailable name; *nomen nudum*. Treated under *Sarcophaga* Meigen, 1824, subgenus *Sarcophaga* Meigen, 1824 [*teste* this work].

REMARKS: No description; one included species, which was designated as type species, but a genus-group name proposed after 1930 without a description cannot be made available by the use of one or more available specific names in combination with it, or clearly included under it, or clearly referred to it by bibliographic reference (*Code* Art. 13.6.1).

Sudafricana **Lehrer**, **1973**: **13**.

TYPE SPECIES: *Sarcophaga aenigma* Rohdendorf, 1963 [= *Sarcophaga pyrenaica* Séguy, 1941], by original designation.

CURRENT STATUS: *Sarcophaga* Meigen, 1824, subgenus *Sarcophaga* Meigen, 1824 [*teste* Pape (1996: 387)].

REMARKS: Proposed as a subgenus of *Sarcophaga* Meigen, 1824. Type fixation given as by monotypy by Verves (1986: 180), but the original paper explicitly states: "Espèce-type du sous-genre: *Sarcophaga aenigma* Rohdendorf, 1963" (Lehrer 1973: 13). Verves & Khrokalo (2020: 207) correctly gave the fixation as by original designation and treated *Sudafricana* Lehrer, 1973 as contained within *Sarcophaga* Meigen, 1824, which matches our concept of *Sarcophaga* (*sensu stricto*).

Sugiyamamyia Verves, **1997a**: **54**.

TYPE SPECIES: *Sarcophaga tsengi* Sugiyama, 1987, by original designation.

CURRENT STATUS: *Sarcophaga* Meigen, 1824, subgenus *Sugiyamamyia* Verves, 1997, **new status**.

REMARKS: We consider *Sugiyamamyia* Verves, 1997 as contained within *Sarcophaga* Meigen, 1824, and for lack of evidence of its phylogenetic affinities to current subgenera we treat this nominal taxon as a valid subgenus.

[Synorbithomyia]: **Verves (1979a**: **897)**.

CURRENT STATUS: Incorrect subsequent spelling of *Synorbitomyia* Townsend, 1932. Treated under *Hoplacephala* Macquart, 1846 [*teste* Pape (1996: 90)].

Thecalonga **Lehrer**, **2012a**: **4**.

TYPE SPECIES: *Blaesoxipha sagittarius* Pape, 1994, by original designation.

CURRENT STATUS: *Blaesoxipha* Loew, 1861, subgenus *Gigantotheca* Townsend, 1917, **new syn**.

REMARKS: Verves & Khrokalo (2020: 84) treated *Thecalonga* Lehrer, 2012 as a valid genus. Here it is proposed as a junior synonym of *Blaesoxipha* Loew, 1861, subgenus *Gigantotheca* Townsend, 1917 following the phylogeny of Pape (1994) and the classification of Pape (1996).

Thomasomyia **Verves**, **1982b**: **188**.

TYPE SPECIES: *Sarcophaga graciliforceps* Thomas, 1949, by original designation.

CURRENT STATUS: *Sarcophaga* Meigen, 1824, subgenus *Bellieriomima* Rohdendorf, 1937 [*teste* Pape (1996: 299)].

REMARKS: Proposed as a subgenus of *Thyrsocnema* Enderlein, 1928. Type fixation given as monotypy by Verves (1986: 136), but the original paper explicitly points to *Sarcophaga graciliforceps* Thomas, 1949 as the "typical species" [translation as given in *Entomological Review*] in the format usual for type designations. This is here interpreted as unambiguous evidence that Verves (1982b) considered *Sarcophaga graciliforceps* Thomas, 1949 as the name-bearing type of *Thomasomyia* Verves, 1982.

Thomaspapeia Verves & Khrokalo, **2006**: **221**.

TYPE SPECIES: *Macronychia malayana* Kurahashi & Pape, 1996, by original designation.

CURRENT STATUS: *Macronychia* Rondani, 1859, subgenus *Thomaspapeia* Verves & Khrokalo, 2006 [*teste* Johnston *et al.* (2020a: 294)].

REMARKS: Proposed as a subgenus of *Macronychia* Rondani, 1859. Mulieri & Mariluis (2011) and Johnston *et al.* (2020a) both accepted *Thomaspapeia* Verves & Khrokalo, 2006 as a valid subgenus; however, because molecular data provided in the latter paper pointed to a paraphyletic subgenus *Moschusa* Robineau-Desvoidy, 1863, the current subgeneric classification may not reflect true phylogenetic affinities.

[Thyrsotetradiscalis]: **Verves (1986**: **159)**.

CURRENT STATUS: Incorrect subsequent spelling of *Thyrsotetradiscus* Enderlein, 1928. Treated under *Sarcophaga* Meigen, 1824, subgenus *Bercaea* Robineau-Desvoidy, 1863 [*teste* Pape (1996: 302)].

Transvaalomyia Lehrer & Lehrer, **1992**: **328**.

TYPE SPECIES: *Transvaalomyia erlangeri* Lehrer & Lehrer, 1992, by original designation.

CURRENT STATUS: *Sarcophaga* Meigen, 1824, subgenus *Transvaalomyia* Lehrer & Lehrer, 1992 [*teste* Pape (1996: 412)].

REMARKS: Verves & Khrokalo (2020: 160) treated *Transvaalomyia* as a valid genus, but we follow the classification of Pape (1996).

Turanomyia Rohdendorf & Verves, **1979**: **197**.

TYPE SPECIES: *Turanomyia fedtshenkoi* Rohdendorf & Verves, 1979, by original designation.

CURRENT STATUS: *Turanomyia* Rohdendorf & Verves, 1979 [*teste* Pape (1996: 168)].

[Turcmenisca]: **Verves (1980**: **924)**.

CURRENT STATUS: Incorrect subsequent spelling of *Turkmenisca* Rohdendorf, 1975. Treated under *Sphecapatodes* Villeneuve, 1912 [*teste* Pape (1996: 144)].

Ussuriphalla **Lehrer**, **2010c**: **12**.

TYPE SPECIES: *Takanoa rugosa* Rohdendorf, 1969, by original designation.

CURRENT STATUS: *Sarcophaga* Meigen, 1824, subgenus *Takanoa* Rohdendorf, 1965, **new status**.

REMARKS: Verves & Khrokalo (2020: 206) proposed *Ussuriphalla* Lehrer, 2010 as a junior synonym of *Takanoa* Rohdendorf, 1965. We accept the synonymy but here follow the classification of Pape (1996).

[Variosella]: **Povolný & Verves (1990**: **318)**.

CURRENT STATUS: Incorrect subsequent spelling of *Varirosellea* Xue, 1997. Treated under *Sarcophaga* Meigen, 1824, subgenus *Varirosellea* Xue, 1997 [*teste* Pape (1996: 413)].

Virungana Lehrer, **2003**: **445**.

TYPE SPECIES: *Sarcophaga musitali* Curran, 1934, by original designation.

CURRENT STATUS: *Sarcophaga* Meigen, 1824, subgenus *Virungana* Lehrer, 2003, **new status**.

REMARKS: Verves & Khrokalo (2020: 152) treated *Virungana* Lehrer, 2003 as a subgenus of *Myorhina* Robineau-Desvoidy, 1830, but this conflicts with the thoracic chaetotaxy of *S. musitali* with four to five postsutural dorsocentral setae, while species of *Myorhina* possess three dorsocentral setae (cf. Pape 1996). Pape (1996: 295) followed Zumpt (1972: 140) in placing *S. musitali* in the subgenus *Afrothyrsocnema* Rohdendorf, 1963, but we see no obvious morphological support for considering *S. musitali* as closely related to *S. globicauda* Rohdendorf, 1931, the type species of *Afrothyrsocnema*. We consider *Virungana* Lehrer, 2003 as contained within *Sarcophaga* Meigen, 1824, and for lack of evidence of its phylogenetic affinities to current subgenera we treat this nominal taxon as a valid subgenus.

Wittemyia **Lehrer**, **2003**: **64**.

TYPE SPECIES: *Sarcophaga eos* Zumpt, 1955, by original designation.

CURRENT STATUS: *Sarcophaga* Meigen, 1824, subgenus *Uroxanthisca* Rohdendorf, 1963, **new syn**.

REMARKS: Verves & Khrokalo (2020: 114) treated *Wittemyia* Lehrer, 2003 as a subgenus of *Erwinlindneria* Rohdendorf, 1963, whereas Verves *et al.* (2022: 16) placed it as a subgenus of *Beziella* Enderlein, 1928. We follow the classification of Pape (1996) in treating *Beziella* as a junior synonym of *Sarcophaga* (*Uroxanthisca*).

[Xeromia]: **Verves (1994**: **245)**.

CURRENT STATUS: Incorrect subsequent spelling of *Xeromyia* Rohdendorf, 1925. Treated under *Apodacra* Macquart, 1954 [*teste* Pape (1996: 75)].

Xuella Verves, **1997a**: **56**.

TYPE SPECIES: *Pierretia lageniharpes* Xue & Feng, 1989, by original designation.

CURRENT STATUS: *Sarcophaga* Meigen, 1824, subgenus *Xuella* Verves, 1997, **new status**.

REMARKS: We consider *Xuella* Verves, 1997 as contained within *Sarcophaga* Meigen, 1824, and for lack of evidence of its phylogenetic affinities to current subgenera we treat this nominal taxon as a valid subgenus.

Yemeniella Lehrer, **2005b**: **56**.

TYPE SPECIES: *Yemeniella suhaylia* Lehrer, 2005, by original designation.

CURRENT STATUS: *Sarcophaga* Meigen, 1824, subgenus *Yemeniella* Lehrer, 2005, **new status**.

REMARKS: We consider *Yemeniella* Lehrer, 2005 as contained within *Sarcophaga* Meigen, 1824, and for lack of evidence of its phylogenetic affinities to current subgenera we treat this nominal taxon as a valid subgenus. The new status implies that the type species acquires the combination *Sarcophaga suhaylia* (Lehrer, 2005), **new comb**.

Yerohama **Lehrer**, **2001**: **212**.

TYPE SPECIES: *Ahavanella dreyfusi* Lehrer, 1994, by original designation.

CURRENT STATUS: *Sarcophaga* Meigen, 1824, subgenus *Helicophagella* Enderlein, 1928, **new syn**.

REMARKS Verves & Khrokalo (2020: 102) treated *Yerohama* Lehrer, 2001 as a junior synonym of the subgenus *Parabellieria* Verves, 1987 in the valid genus *Helicophagella* Enderlein, 1928. Molecular analyses do not support a monophyletic *Helicophagella* in the sense of Pape (1996) (Buenaventura & Pape 2017; Buenaventura *et al.* 2017; Buenaventura *et al.* 2019), and morphological support is feeble (Blackith *et al.* 1998); thus, with evidence still being inconclusive, we retain the classification of Pape (1996).

Yunnanisca Verves, **1997a**: **57**.

TYPE SPECIES: *Pierretia fani* Li & Ye, 1985, by original designation.

CURRENT STATUS: *Sarcophaga* Meigen, 1824, subgenus *Yunnanisca* Verves, 1997, **new status**.

REMARKS: We consider *Yunnanisca* Verves, 1997 as contained within *Sarcophaga* Meigen, 1824, and for lack of evidence of its phylogenetic affinities to current subgenera we treat this nominal taxon as a valid subgenus.

Zombanella Lehrer, **1993b**: **34**.

TYPE SPECIES: *Zombanella ehrlichi* Lehrer, 1993, by original designation.

CURRENT STATUS: *Sarcophaga* Meigen, 1824, subgenus *Zombanella* Lehrer, 1993 [*teste* Pape (1996: 415)].

REMARKS: Verves & Khrokalo (2020: 162) treated *Zombanella* Lehrer, 1993 as a valid genus, but we follow the classification of Pape (1996). Verves & Khrokalo (2020: 161) dated *Zombanella* from 1992, but the correct year is 1993; see References for further information.

Zumptiopsis Lehrer & Lehrer, **1992**: **331**.

TYPE SPECIES: *Sarcophaga hera* Zumpt, 1972, by original designation.

CURRENT STATUS: *Sarcophaga* Meigen, 1824, subgenus *Zumptiopsis* Lehrer & Lehrer, 1992 [*teste* Pape (1996: 415)].

REMARKS: Verves & Khrokalo (2020: 153) treated *Zumptiopsis* Lehrer & Lehrer, 1992 as a subgenus of *Myorhina* Robineau-Desvoidy, 1830, but we follow the classification of Pape (1996).

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APPENDIX I

Genus-group names of Sarcophagidae (Insecta: **Diptera) proposed by Andy Zekharya Lehrer and Yury Grigorevitch Verves**, **sorted by subfamily and arranged under their valid name in the adopted classification**.

Names are given in bold when available and valid, and in italics when available and invalid. Names proposed in novel synonymy, whether under a generic or a subgeneric name, are indicated by "**new syn**."; names listed in a subgeneric combination for the first time, but where no new synonymy is implied, are indicated by "**new status**".

MILTOGRAMMINAE
Awashiops Lehrer, 2007
Dolichotachina Villeneuve, 1913
    Spinuphalla Lehrer, 2013, **new syn**.
Hoplacephala Macquart, 1846
    Krombeinomyia Verves, 1979
    Javanisca Verves, 1980
    Hoplocephalomima Verves, 1988
    Prohoplacephala Verves, 1994
    Paraphalloides Lehrer, 2013
Lamprometopia Macquart, 1846
    Acrophallonia Lehrer, 2013
    Griseiforma Lehrer, 2013
    Reducitheca Lehrer, 2013
Macronychia Rondani, 1859
    sbg. **Thomaspapeia** Verves & Khrokalo, 2006
Mawuphalla Lehrer, 2013
Metopia Meigen, 1803
    Australoanicia Verves, 1979
    Metanzania Lehrer, 2013
Miltogramma Meigen, 1803
    Miltogrammisca Verves, 1978
    Rohdendorfomyia Verves, 1978
    Rohdendorfiella Verves, 1979
    Eweka Lehrer, 2012, **new syn**.
    Benigramma Lehrer, 2013, **new syn**.
Senotainia Macquart, 1846
    Nyctellisca Verves & Khrokalo, 2019

PARAMACRONYCHIINAE
Asiosarcophila Rohdendorf & Verves, 1978
Kurahashiodes Verves, 2001
Mimagria Verves, 2001
Turanomyia Rohdendorf & Verves, 1979

SARCOPHAGINAE

Blaesoxipha Loew, 1861
- sbg. **Gigantotheca** Townsend, 1917
  - *Mexiphalla* Lehrer, 2012, **new syn**.
  - *Phallornata* Lehrer, 2012, **new syn**.
  - *Thecalonga* Lehrer, 2012, **new syn**.
- sbg. **Servaisia** Robineau-Desvoidy, 1863
  - *Blaesoxiphomima* Verves, 1985

Oxysarcodexia Townsend, 1917
- *Asioboettcheria* Verves, 2001

Peckia Robineau-Desvoidy, 1830
- sbg. **Euboettcheria** Townsend, 1927
  - *Guanoxipha* Lehrer, 2012, **new syn**.

Sarcophaga Meigen, 1824
- sbg. **Aethiopisca** Rohdendorf, 1963
  - *Hadashophalla* Lehrer, 1996, **new status**
- sbg. **Afropierretia** Verves, 1997, **new status**
- sbg. **Afrothyrsocnema** Rohdendorf, 1963
  - *Pierretiomima* Verves, 1997, **new syn**.
- sbg. **Amharomyia** Verves, 1984
- sbg. **Anthostilophalla** Lehrer, 1993
- sbg. **Asceloctella** Enderlein, 1928
  - *Australopierretia* Verves, 1987
- sbg. **Baliisca** Verves, 1980
  - *Baliisca* Verves, 1980
- sbg. **Bellieriomima** Rohdendorf, 1937
  - *Thomasomyia* Verves, 1982
- sbg. **Bilenemyia** Verves, 1989
- sbg. **Beziella** Enderlein, 1937
  - *Bantumyia* Verves & Khrokalo in Verves *et al.*, 2022, **new status**
  - *Palaeobrasia* Verves & Khrokalo in Verves *et al.*, 2022, **new syn**.
- sbg. **Callostuckenbergia** Lehrer & Lehrer, 1992
- sbg. **Camerounisca** Verves, 1989
- sbg. **Cornexcisia** Fan & Kano, 2000
  - *Fanzideia* Xue, Verves & Du, 2011
  - *Leigongshanophaga* Lehrer & Wei, 2010
- sbg. **Curranisca** Rohdendorf, 1963
  - *Australophaga* Lehrer, 2005, **new status**
- sbg. **Curtophalla** Lehrer, 1994
- sbg. **Danbeckia** Lehrer, 1994

sbg. **Deconinckia** Lehrer, 2003, **new status**
sbg. **Diplonophalla** Lehrer, 1994
sbg. **Dovporiella** Lehrer, 2003, **new status**
sbg. **Draculana** Lehrer, 2002, **new status**
sbg. **Dravidia** Lehrer, 2010, **new status**
sbg. **Durbanella** Lehrer, 1994
sbg. **Fanimyia** Verves, 1997, **new status**
sbg. **Fanzidella** Lehrer, 2003, **new status**
sbg. **Girnaria** Verves, 2001, **new status**
Gujaratophalla Lehrer, 2009
sbg. **Grimaldiomyia** Lehrer, 2003, **new status**
Grimaldiella Lehrer, 2002, **new status**
sbg. **Harpagophalla** Rohdendorf, 1937
Ceylonella Lehrer, 2010, **new syn**.
sbg. **Helicophagella** Enderlein, 1928
Ahavanella Lehrer, 1995
Annefrankia Lehrer, 1995
Parabellieria Verves, 1987
Karovia Lehrer, 1995
Iafecnema Lehrer, 1995
Yerohama Lehrer, 2001, **new syn**.
sbg. **Heteronychia** Brauer & Bergenstamm, 1889
Benedenia Lehrer, 1976
Leclercqiomyia Lehrer, 1976
Artamonoviella Verves, 1989
Devriesia Lehrer, 1995
Salemiophalla Lehrer, 1995
Shoachaeta Lehrer, 1997
Ashlaiana Lehrer, 1998
Atlantina Lehrer, 2013, **new syn**.
sbg. **Hochiella** Lehrer, 2005, **new status**
sbg. **Ihosyia** Verves, 1989
sbg. **Kanoa** Rohdendorf, 1965
Sarcotakaops Lehrer, 1985
sbg. **Karnatakia** Verves, 2001, **new status**
Kaimariana Lehrer, 2011, **new status**
sbg. **Kenyophaga** Lehrer, 2005, **new status**
sbg. **Krameromyia** Verves, 1982
sbg. **Latistyla** Strukan, 1970
Macabiella Lehrer, 1994
sbg. **Lehreria** Koçak & Kemal, 2008
Imerina Lehrer, 2003, **new status**

sbg. **Liopygia** Enderlein, 1928
Belgiella Lehrer, 1977
sbg. **Liopygiopsis** Verves, 1997, **new status**
sbg. **Liosarcophaga** Enderlein, 1928
Ampilicercomyia Verves, 1991
Occultophalla Lehrer, 1994
Robertiana Lehrer, 2000, **new syn**.
Barnardia Lehrer, 2003, **new syn**.
Bechuanella Lehrer, 2003, **new syn**.
Jaennickeana Lehrer, 2003, **new syn**.
Radamaia Lehrer, 2003, **new syn**.
Setasarcophaga Verves & Khrokalo, 2020, **new syn**.
sbg. **Livingstonelia** Lehrer, 2003, **new status**
sbg. **Lucyphalla** Lehrer, 2005, **new status**
sbg. **Malliophalla** Lehrer, 1994
sbg. **Mandalania** Lehrer, 1994
sbg. **Mauritiella** Verves, 1989
Drakensbergiana Lehrer, 1993, **new status**
sbg. **Membranophalla** Verves, 1997, **new status**
sbg. **Mitumbana** Lehrer, 2003, **new status**
sbg. **Montagnieria** Lehrer, 2005, **new status**
sbg. **Mufindia** Verves, 1990
sbg. **Myorhina** Robineau-Desvoidy, 1830
Amamia Verves, 1997, **new syn**.
sbg. **Nagpuria** Verves, 1997, **new status**
sbg. **Nandimyia** Verves, 1997, **new status**
sbg. **Nesbittia** Verves, 1989
sbg. **Nigerimyia** Verves, 1989
sbg. **Nuzzaciella** Lehrer, 1994
sbg. **Nyikamyia** Lehrer, 1994
sbg. **Pandelleisca** Rohdendorf, 1937
Aftaotella Lehrer, 1997, **new syn**.
Curvosarcophaga Verves, 2001, **new syn**.
sbg. **Perisimyia** Xue & Verves, 2009, **new status**
sbg. **Petuniophalla** Lehrer, 1994
sbg. **Phallonychia** Verves, 1982
sbg. **Pharaonops** Lehrer, 2003, **new status**
sbg. **Philiphaga** Lehrer, 2008, **new status**
sbg. **Poseidonimyia** Verves, 1997, **new status**
sbg. **Povolnymyia** Verves, 1997, **new status**
sbg. **Prionophalla** Rohdendorf, 1963
Bantuphaga Lehrer, 2003, **new syn**.
Kermalia Lehrer, 2005, **new syn**.
Spinosarcophaga Verves & Khrokalo, 2020, **new syn**.
sbg. **Pseudaethiopisca** Verves, 1989
sbg. **Pseudobellieriomima** Verves, 2001, **new status**

sbg. **Pterolobomyia** Lehrer, 1993
sbg. **Ranavalona** Lehrer, 2003, **new status**
Stuckenbergiella Verves, 1997, **new status**
sbg. **Sabakia** Lehrer, 2005, **new status**
sbg. **Sabiella** Verves, 1990
sbg. **Salemmyia** Verves, 2001, **new status**
sbg. **Saputaramyia** Verves, 2001, **new status**
sbg. **Sarconandia** Lehrer, 2005, **new status**
sbg. **Sarcophaga** Meigen, 1824
Carpathicomyia Lehrer, 1973
Daciella Lehrer, 1973
Grusiniana Lehrer, 1973
Libitina Lehrer, 1973
Sudafricana Lehrer, 1973
Fernandamyia Lehrer, 1975
Blackithiana Lehrer, 1997
sbg. **Sarcorohdendorfia** Baranov, 1938
Shinonagaella Verves, 1997, **new syn**.
sbg. **Seselwana** Lehrer, 2003, **new status**
sbg. **Sinopierretia** Verves, 1997, **new status**
sbg. **Sokotriella** Lehrer, 2005, **new status**
sbg. **Sugiyamamyia** Verves, 1997, **new status**
sbg. **Takanoa** Rohdendorf, 1965
Ussuriphalla Lehrer, 2010, **new status**
sbg. **Thyrsocnema** Enderlein, 1928
Golania Lehrer, 2000
sbg. **Transvaalomyia** Lehrer & Lehrer, 1992
sbg. **Uroxanthisca** Rohdendorf, 1963
Wittemyia Lehrer, 2003, **new**. **syn**.
Sarconimba Lehrer, 2005, **new syn**.
sbg. **Virungana** Lehrer, 2003, **new status**
sbg. **Xuella** Verves, 1997, **new status**
sbg. **Yemeniella** Lehrer, 2005, **new status**
sbg. **Yunnanisca** Verves, 1997, **new status**
sbg. **Zombanella** Lehrer, 1993
sbg. **Zumptisca** Rohdendorf, 1963
Malawithyrsia Lehrer, 1994
Embulinkisa Lehrer, 2000, **new status**
Nguyenia Lehrer, 2003, **new syn**.
Rossikenya Lehrer, 2009, **new status**
sbg. **Zumptiopsis** Lehrer & Lehrer, 1992
Malawixia Lehrer, 2011, **new status**

APPENDIX II

New combinations ("**new comb**.") arising where a new generic synonym or a new status implies a first combination of a generic name and a previously established species-group name. Names are given in bold when available and valid and in italics when available and invalid.

MILTOGRAMMINAE

Dolichotachina juxtina (Lehrer, 2013), **new comb**. [from *Spinuphalla* Lehrer, 2013]
Miltogramma cordicerci Lehrer, 2012, **new comb**. [from *Eweka* Lehrer, 2012]
Miltogramma bellanda (Lehrer, 2013), **new comb**. [from *Benigramma* Lehrer, 2013]

SARCOPHAGINAE

Sarcophaga batangomyia (Lehrer, 2008), **new comb**. [from **Philiphaga** Lehrer, 2008]
Sarcophaga fernandae (Lehrer, 2003), **new comb**. [from **Deconinckia** Lehrer, 2003]
Sarcophaga jamila (Lehrer, 2005), **new comb**. [from **Sokotriella** Lehrer, 2005]
Sarcophaga klinzigiana (Lehrer, 2005), **new comb**. [from **Kenyophaga** Lehrer, 2005]
Sarcophaga liberiphaga (Lehrer, 2005), **new comb**. [from *Sarconimba* Lehrer, 2005]
Sarcophaga madrasiola (Lehrer, 2005), **new comb**. [from **Sarconandia** Lehrer, 2005]
Sarcophaga nuzzacii (Lehrer, 2005), **new comb**. [from **Lucyphalla** Lehrer, 2005]
Sarcophaga perisi (Xue & Verves, 2009), **new comb**. [from **Perisimyia** Xue & Verves, 2009]
Sarcophaga pongola (Lehrer, 2005), **new comb**. [from **Hochiella** Lehrer, 2005]
Sarcophaga reedi (Lehrer, 2005), **new comb**. [from *Australophaga* Lehrer, 2005]
Sarcophaga retrostylata (Lehrer, 2009), **new comb**. [from *Rossikenya* Lehrer, 2009]
Sarcophaga sapitwana (Lehrer, 2011), **new comb**. [from *Malawixia* Lehrer, 2011]
Sarcophaga suhaylia (Lehrer, 2005), **new comb**. [from **Yemeniella** Lehrer, 2005]
Sarcophaga tanzaniella (Lehrer, 2005), **new comb**. [from **Sabakia** Lehrer, 2005]
Sarcophaga tautella (Lehrer, 1996), **new comb**. [from *Hadashophalla* Lehrer, 1996]
Sarcophaga todiscoae (Lehrer, 2005), **new comb**. [from **Montagnieria** Lehrer, 2005]