

## Type Specimens of the Insect Order Diptera in the Collection of the National Museums of Kenya

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**Abstract.** In this paper we present a list of Diptera type specimens held in the collection of the Invertebrates section of the Zoology Department, National Museums of Kenya. The collection comprises 467 type specimens in 104 species belonging to 12 families. The collection is dominated by paratypes with 425 specimens followed by holotypes with 36 specimens and allotypes with 6 specimens. The species are sorted alphabetically under the respective families. Reference to the original description, the type locality, geo-reference data, name of collector(s), and the date collected are also provided.

**Key words.** Type specimens, Diptera, NMK Nairobi, checklist

### INTRODUCTION

In this paper we present the type specimens of the order Diptera held at the invertebrate section of the National Museums of Kenya (NMK), which houses 467 Diptera type specimens, representing 104 mainly Eastern African and a few European species or subspecies in 12 families. Of these specimens 36 are holotypes, six allotypes, and 425 paratypes.

The families and the species within families are listed alphabetically by specific or sub-specific epithet, followed by the original generic assignment, author, year of publication, page number of the description, gender and kind of type. If the current classification differs from the original name, the valid name is added. Institutional depositories for holotypes that are not in NMK are also indicated if traceable. For each species, the holotypes (if in NMK) are listed first, followed by secondary types. All primary types are listed with full original label information. Supplementary information includes surname and initials of the collector(s), the dates of collection as well as names and geo-references of the collection sites. If not otherwise mentioned, the geo-references are approximations taken from the East Africa Gazetteer (1946–1949). Locality information for paratypes specimens collected at the same locality and date by different collectors or collected by the same collector in the same locality but at different dates is pooled. Paratypes without specification are of unknown gender.

### DIPTERA

#### *Agromyzidae*

*africana*, *Cerodontha africana* Spencer, 1985: 993

**HT ♂, 1 PT:** Kenya: Nairobi, 1°17'S, 36°49'E, K.A. Spencer, 14.iv.1983

*cyrtorchidis*, *Melanagromyza cyrtorchidis* Spencer, 1985: 973

**HT ♂, 11 PT:** Kenya: Nairobi, 1°17'S, 36°49'E, K.A. Spencer, 3.ii.1984

*embuensis*, *Pseudonapomyza embuensis* Spencer, 1985: 1006

**HT ♂:** Kenya: Embu, Yoder's farm, 0°32'S, 37°27'E, K.A. Spencer, 9.xii.1983

*embui*, *Pseudonapomyza embui* Spencer, 1985: 1006

**HT ♂:** Kenya: Embu, Yoder's farm, 0°32'S, 37°27'E, K.A. Spencer, 9.xii.1983

*gilletti*, *Pseudonapomyza gilletti* Spencer, 1985: 1007

**HT ♂:** Kenya: Nairobi, Kilimani, 1°17'S, 36°49'E, K.A. Spencer, 19.iv.1983

*graminacea*, *Agromyza graminacea* Spencer, 1985: 990

**HT ♂**: Kenya: Central: Kiambu District: Sigona W. of Nairobi, at Thitu farm, 1°17'S, 36°49'E, K.A. Spencer, 11.iv.1983

**1 PT ♀**: Kenya: Central: Thika District: Thika Sports Club, 0°53'S, 37°29'E, K.A. Spencer, 14.iv.1983

*intermedia*, *Phytoliriomyza intermedia* Spencer, 1985: 1004

HT in BMNH

**1 PT ♂**: Kenya: Karen, W. of Nairobi, 1°17'S, 36°49'E, K.A. Spencer, 12.xii.1983

*kalanchoes*, *Tropicomyia kalanchoes* Spencer, 1985: 987

**HT ♂**: Kenya: Kerita Forest, southern edge of Aberdares, 0°20'S, 35°20'E, K.A. Spencer & J.M. Ritchie, 17.xii.1983

*kilimanii*, *Ophiomyia kilimanii* Spencer, 1985: 983

**HT ♂**: Kenya: Nairobi: Kilimani, 1°17'S, 36°47'E, K.A. Spencer, 19.iv.1983

*leguminosarum*, *Melanagromyza leguminosarum* Spencer, 1985: 974

**HT ♂, 1 PT ♂**: Kenya: Central: Thika District: Thika Sports Club, 0°53'S, 37°29'E, K.A. Spencer, 14.iv.1983

*livida*, *Melanagromyza livida* Spencer, 1985: 974

**HT ♂**: Kenya: Central: Kiambu District: Kikuyu, 3°59'S, 39°25'E, K.A. Spencer, 17.iv.1983

*multifidi*, *Phytomyza multifidi* Spencer, 1985: 1013

**HT ♂**: Kenya: Rift Valley: Kerita Forest, Southern Aberdares, 0°20'S, 35°20'E, K.A. Spencer, 17.xii.1983

*ocimivora*, *Ophiomyia ocimivora* Spencer, 1985: 983  
HT in BMNH

**2 PT ♂, 2 PT ♀**: Kenya: Kapsabet, 0°46'S, 35°22'E, K.A. Spencer, 17.x.1971

*similis*, *Pseudonapomyza similis* Spencer, 1985: 1008

**HT ♂**: Kenya: Nairobi, Kilimani, 1°17'S, 36°49'E, K.A. Spencer, 19.iv.1983

*subeximia*, *Napomyza subeximia* Spencer, 1985: 1011

**HT ♂**: Kenya: Rift Valley: Kerita Forest, Southern Aberdares, 0°25'S, 36°38'E

*subspinosa*, *Pseudonapomyza subspinosa* Spencer, 1985: 1008

**HT ♂**: Kenya: Eastern: Embu, Yoder's farm, 0°35'S, 37°40'E, K.A. Spencer, 9.xii.1983

## Bombyliidae

*aequisexus*, *Bombylius aequisexus* Paramonov, 1955: 163  
Current classification: *Bombomyia aequisexa* (Paramonov, 1955)

HT in BMNH

**1 PT**: Kenya: Coast Province: Kasigau, 3°49'S, 38°40'E, xi.1938

*carcassoni*, *Diatropomma carcassoni* Bowden, 1962: 118  
HT in Coll. Bowden, Colchester, UK

**1 PT**: Kenya: North Eastern: Garissa, 0°28'S, 39°38'E, C. Hemming, i.1958

**13 PT**: Kenya: Stony Athi, 2°59'S, 38°31'E, EAU Bio. Survey, v.–vi.1940

*trichromus*, *Bombylius discoideus* var. *trichromus* Paramonov, 1955

Current classification: Synonym of *Bombomyia discoidea* (Fabricius, 1794)

HT in BMNH

**1 PT**: Kenya: Nairobi, 1°17'S, 36°49'E, Turner

*niveicomatus*, *Systoechus niveicomatus* Bowden, 1959: 298

HT in BMNH

**2 PT**: Kenya: Kibwezi, 2°19'S, 38°07'E, B.T. Pearson, ii.1958

## Chloropidae

*nigricoxa*, *Epimadiza nigricoxa* Sabrosky, 1947: 833

**1 PT**: Kenya: Chyulu Hills, 2°47'S, 37°58'E, A. Friedberg, vi.1938

## Diopsidae

*bytebieri*, *Centrioncus bytebieri* Meyer, 2004: 26

**HT, AT**: Kenya: Ngangao Forest, 3°22'S, 38°20'E, Meyer, 18.vi.1999

**Dolichopodidae**

***garamba***, *Mesorhaga garamba* Grichanov, 1999: 113  
HT in MRAC

**1 PT ♂**: Kenya: Taita Hills: Ronga forest, 3°25'S, 38°20'E, Taita Hills Biodiversity Project, 26.ii.–3.iii.1999

***pseudoparicoxa***, *Condylostylus pseudoparicoxa* Grichanov, 1999: 117

**HT ♂**: Kenya: Taita Hills, Mbololo forest; 3°25'S, 38°20'E, Mus. Tervuren, 22.vi.1999

**PT ♀**: Kenya: Macha forest, 3°25'S, 38°20'E

***taitensis***, *Tenuopus taitensis* Grichanov, 2000: 262  
HT ♂ in MRAC

**2 PT ♂**: Kenya: Taita Hills, Mbololo Plantation, 3°25'S, 38°20'E, Taita Hills Biodiversity Project, 18.viii.1998

**1 PT ♂**: Kenya: Taita Hills, Ndiwenyi, 3°25'S, 38°20'E, Malaise Trap, Taita Hills Biodiversity Project, 23–27.vii.1999

**1 PT ♂**: Kenya: Taita Hills, Sagalla, 3°25'S, 38°20'E, Taita Hills Biodiversity Project, 8–16.v.1999

**3 PT ♂**: Kenya: Taita Hills, Fururu, 3°25'S, 38°20'E, Taita Hills Biodiversity Project, 23–29.i.1999

**1 PT ♂**: Kenya: Taita Hills, Vuria forest, 3°25'S, 38°20'E, Taita Hills Biodiversity Project, 8–16.ii.1999

**5 PT ♂, ♀**: Kenya: Taita Hills, Chawia, 3°25'S, 38°20'E, Taita Hills Biodiversity Project, 4.ix.1998

**4 PT ♂, ♀**: Kenya: Taita Hills, Capher Fallen forest, 3°25'S, 38°20'E, Taita Hills Biodiversity Project, 5–13.iv.1999

**7 PT ♂, ♀**: Kenya: Taita Hills, Ngangao forest, 3°25'S, 38°20'E, Taita Hills Biodiversity Project, 16–22.i.1998, 2–9.iii.1998

**50 PT ♂, ♀**: Kenya: Taita Hills, Taita Hills Biodiversity Project, 11.iii.1998–13.viii.1999

**Drosophilidae**

***cariouae***, *Drosophila cariouae* Tsacas in Tsacas et al., 1985: 419

Current classification: *Drosophila (Sophophora) cariouae* Tsacas, 1985

**HT ♀**: Kenya: Central: Mount Kenya; Castle rest house, 0°10'S, 37°20'E, D. Lachaise, N.T. Cariou & M. Ashburner, 20–25.ix.1984

***kitumensis***, *Drosophila kitumensis* Tsacas in Tsacas et al., 1985: 415

Current classification: *Drosophila (Sophophora) kitumensis* Tsacas, 1985

**HT ♂**: Kenya: Mt. Elgon, Kitum Cave, 2500 m, 0°34'S, 34°37'E, D. Lachaise, ix.1984

***krimbasi***, *Drosophila kimbasi* Tsacas in Tsacas et al., 1985: 421

Current classification: *Drosophila (Sophophora) kimbasi* Tsacas, 1985

**HT ♂**: Kenya: Central: Mount Kenya, 2470 m, 0°10'S, 37°20'E, D. Lachaise, N.T. Cariou & M. Ashburner, 20–25.ix.1984

***proximus***, *Zaprionus proximus* Collart, 1937: 1

HT ♂ in unknown depository

**4 PT**: Kenya: Nairobi, 1°17'S, 36°49'E, van Someren, vii.1937

***sexvittatus***, *Zaprionus sexvittatus* Collart, 1937: 2

HT ♂ in unknown depository

**4 ♀ PT**: Kenya: Nairobi, 1°17'S, 36°49'E, van Someren, vi.–vii.1937

**Muscidae**

***acaciae***, *Pyrellia acaciae* Pont & Baldock, 2007: 85

**HT ♂**: Kenya: Laikipia, Mpala Research Centre, 0°17.48'N, 36°53.82'E, K. Baldock, 10.vi.2005

**9 PT ♀, 4 PT ♂**: Kenya: Laikipia, Mpala Research Centre, 10.vi.1999–25.v.2005

***albistyla***, *Atherigona albistyla* Deeming, 1971: 164

Current classification: *Atherigona (Atherigona) albistyla* Deeming, 1971

HT in BMNH

**1 PT**: Nigeria: North Nigeria, 9°05'N 8°40'W (GG), J.C. Deeming, 6.x.1956

***basichaeta***, *Helina basichaeta* Emden, 1951: 569

HT in BMNH

**1 PT**: Kenya: Chyulu Hills, 2°47'S, 37°58'E, Coryndon Museum Expedition, vii.1938

***cilitibia***, *Hydrotaea cilitibia* Pont & Baldock, 2007: 89

**HT ♂**: Kenya: Laikipia: Mpala Research Centre, Turkana Boma site, 0°16'98"N, 36°53'52"E, K. Baldock, 15.x.2003

**1 PT ♀**: same data as holotype, 10.vi.2005



*fuscogalterata*, *Helina fuscogalterata* Emden, 1951: 527  
Current classification: *Hebecnema fuscogalterata* (Emden, 1951)  
HT in BMNH

**1 PT:** Kenya: Rift Valley: Naivasha, 0°43'S, 36°26'E, H.J.A. Turner, iv.1940

*mirabilis*, *Atherigona mirabilis* Deeming, 1971: 152  
Current classification: *Atherigona (Atherigona) mirabilis* Deeming, 1971  
HT in BMNH

**1 PT:** Nigeria: North Nigeria, 9°05'N, 8°40'W (GG), J.C. Deeming, vii.1970

*naivashensis*, *Helina naivashensis* Emden, 1951: 597  
HT in BMNH

**1 PT:** Naivasha, 0°43'S, 36°26'E, H.J.A. Turner, vii.1937

*ochribasis*, *Limnophora ochribasis* Emden, 1951: 425  
HT in BMNH

**1 PT:** Kenya: Rift Valley, Naivasha, 0°43'S, 36°26'E, H.J.A. Turner, vi.1936

*pervittata*, *Helina pervittata* Emden, 1951: 536  
HT in BMNH

**1 PT:** Kenya: Chyulu Hills, 2°47'S, 37°58'E, Coryndon Museum Expedition, vii.1938

*ponti*, *Atherigona ponti* Deeming, 1971: 153  
Current classification: *Atherigona (Atherigona) ponti* Deeming, 1971  
HT in BMNH

**1 PT:** Nigeria: North Nigeria, 9°05'N, 8°40'W (GG), J.C. Deeming

*pseudocorvina*, *Musca pseudocorvina* Emden, 1939: 83  
Current classification: *Musca (Eumusca) pseudocorvina* Emden, 1939  
HT in BMNH

**1 PT:** Kenya: Kinangop, 0°38'S, 36°42'E, H.J.A. Turner, vi.1930

*rufinota*, *Helina rufinota* Emden, 1951: 634  
Current classification: *Pseudohelina rufinota* (Emden, 1951)  
HT in BMNH

**1 PT:** Kenya: Rift Valley: Naivasha, 0°43'S, 36°26'E, H.J.A. Turner, vii.1937

*spiculata*, *Helina spiculata* Emden, 1951: 579  
HT in BMNH

**1 PT:** Kenya: Ngong, 1°13'N, 37°05'E, Miss Steele, v.1936

*thomasseti*, *Limnophora thomasseti* Emden, 1951: 422  
HT in BMNH

**1 PT:** Kenya: Rift Valley: Naivasha, 0°43'S, 36°26'E, H.J.A. Turner, iii.1937

### Pipunculidae

*bellulus*, *Dorilas bellulus* Hardy, 1949: 21  
Current classification: *Cephalops (Semicephalops) bellulus* (Hardy, 1949)  
HT in BMNH

**1 PT ♂:** Kenya: Ngong, 1°13'N, 37°05'E, Miss Steele, v.1936

*minisculus*, *Microcephalops minisculus* Meyer, 1996: 390

**HT:** Kenya: 25 km North West Kericho, 0°30'S, 35°15'E, B. Merz, 11.iii.1993

*montanus*, *Microcephalops montanus* Meyer, 1996: 392

**HT:** Kenya: Rift Valley: Timboroa, 0°04'N, 35°32'E, B. Merz, 15.iii.1993

**1 PT:** Kenya: Central: Aberdares National Park, 0°25'S, 36°40'E, B. Merz, 6.iii.1993

### Syrphidae

*stuckenbergi*, *Paragus stuckenbergi* Meyer, 1998: 144  
Current classification: *Paragus (Pandasyophthalmus) stuckenbergi* Meyer, 1998

[*homonym* to *Paragus (Paragus) stuckenbergi* Thompson in Thompson & Ghorpade 1992: 16 from Philippines (Luzon)]

**HT:** Kenya: Kakamega, 0°17'N, 34°45'E, Earth Watch, 21.xi.1994

**AT:** Kakamega, Isecheno Station, 0°14.16'N, 34°51.88'E, Earth Watch, 21.xi.1994

**1 PT:** Kakamega forest, Ikyuwa river, 0°12.73'N, 34°55'E, Earth Watch, 3.xii.1995

**Tabanidae**

*kiboriani*, *Mesomyia kiboriani* Lamerton, 1964: 189  
HT in BMNH

**1 PT:** Tanzania: Central: Mpwapwa, 6°21'S, 36°29'E, J.F. Larmeton, 1962

**Tachinidae**

*femoralis*, *Paraprosena femoralis* Emden, 1947: 659  
Current classification: *Dinera femoralis* (Emden, 1947)  
HT in BMNH

**1 PT:** Naivasha, 0°43'S, 36°26'E, H.J.A. Turner, ii.1940

*unisetosa*, *Cryptocladia unisetosa* Emden, 1947: 669  
HT in BMNH

**1 PT:** Kenya: Elburgon, 0°18'S, 35°49'E, R.E. Dent, iv.1930

**Tephritidae**

*aenigma*, *Capparimyia aenigma* Meyer & Freidberg, 2005: 286

**11 PT:** Tsavo River, 2°05'S, 37°55'E, R. Copeland, 5.Xii.1999

*ambliquus*, *Dacus ambliquus* Munro, 1938: 162  
Current classification: *Dacus (Dacus) ambliquus* Munro, 1938  
HT ♂ in BMNH

**1 PT:** Kenya, Rabai, 3°55'S, 39°33'E, van Someren, viii.1937

*arcuatus*, *Dacus arcuatus* Munro, 1939: 1  
Current classification: *Dacus (Didacus) arcuatus* Munro, 1939  
HT ♂ in BMNH

**1 PT:** Kenya: 0°43'S, 36°26'E, van Someren, vii.1938

*astuta*, *Paroxyna astuta* Munro, 1957b: 984  
Current classification: *Campiglossa astuta* (Munro, 1957)  
HT ♂ in BMNH

**8 PT:** Kenya: Chyulu Hills, 2°47'S, 37°58'E, Coryndon Museum Expedition, vi.–vii.1938

**3 PT:** Nairobi, 1°17'S, 36°49'E, van Someren, viii.1937

*contramedia*, *Pardalaspis contramedia* Munro, 1937b: 2  
Current classification: *Ceratitidis (Ceratalaspis) contramedia* (Munro, 1937)  
HT ♂ in BMNH

**33 PT:** Kenya: Nairobi, 1°17'S, 36°49'E, van Someren, xii.1936

*conyzifoliae*, *Tephritis conyzifoliae* Merz, 1992a: 230  
HT ♂ in ETHZ

**2 PT:** Helvetia, Graubünden, Ftan, 46°47'N, 10°15'E (GM), B. Merz, 2.viii.1990

*copelandi*, *Ceratitidis (Pterandrus) copelandi* Meyer & Freidberg, 2006: 233

**HT ♂, AT ♀:** Kenya: Rift Valley: Kericho Road, 0°14.09'S, 35°32.67'E, R.S. Copeland, 4.viii.2000

*copelandi*, *Dacus copelandi* White, 2006: 89  
Current classification: *Dacus (Didacus) copelandi* White, 2006

**HT, 2 PT:** Kenya: Mpala Research Station, 0°20'N, 36°53'E, S. Miller, 8.ix.–6.x.1998

*crenata*, *Sphenella crenata* Munro, 1957a: 37  
HT ♂ in SANC

**8 PT:** Kenya: Nairobi, 1°17'S, 36°49'E, van Someren, vii.–ix.1937

**1 PT:** Kenya: Ngong, 1°22'S, 36°39'E, vii.1937

**4 PT:** Kenya: Chyulu Hills, Coryndon Museum Exped. 2°47'S, 37°58'E, van Someren, vi.1936

*culcasiae*, *Trirhithrum culcasiae* White & Copeland, 2003: 92

**HT, 3 PT:** Kenya: Coast Province, Buda forest, 4°27.66'S, 39°23.67'E, R.S. Copeland, 30.xii.2000

*curta*, *Perilampus curta* Munro, 1938: 164  
HT ♂ in BMNH

**1 PT:** Kenya: Kedong, 1°06'S, 36°58'E, van Someren, vi.1937

*curvata*, *Trupanea curvata* Munro, 1964: 38  
HT ♂ in SANC

**1 PT:** Kenya: Nairobi, 1°17'S, 36°49'E, van Someren, i.1937

*curvatus*, *Pterandrus curvatus* Munro, 1937b: 6

Current classification: *Ceratitis (Pterandrus) curvatus* (Munro, 1937)

HT ♂ in BMNH

**9 PT:** Kenya: Nairobi, 1°17'S, 36°49'E, van Someren, vi.–xii.1936

*cuthbertsoni*, *Pardalaspis cuthbertsoni* Munro, 1936: 42  
Current classification: *Ceratitis (Pardalaspis) cuthbertsoni* (Munro, 1936)

HT ♂ in SANC

**4 PT:** Kenya: Chyulu Hills, Coryndon Museum Exped. 2°47'S, 37°58'E, van Someren, vi.1936

*deletrix*, *Sphenella deletrix* Munro, 1957a: 44

HT ♂ in SANC

**1 PT:** South Africa: East London, Bufallo Pass, 33°01'S, 27°48'E (GM), H.K. Munro, v.1947

*demeyeri*, *Trirhithrum demeyeri* White & Hancock, 2003: 93

**1 PT:** Tanzania: Ukerewe I., 2°03'S, 33°00'E, Father Conrad

**1 PT:** Kenya: Kakamega, 0°13.10'N, 34°54.06'E, R.S. Copeland, 19.vi.1999

*flecta*, *Scedella flecta* Munro, 1957b: 1004

HT ♂ in SANC

**1 PT:** Kenya: Chyulu Hills, 2°47'S, 37°58'E, Coryndon Museum Exped., vi.1938

**1 PT:** Kenya: Nairobi, 1°17'S, 36°49'E, van Someren, ix.1937

*gravinotatus*, *Pterandrus gravinotatus* Munro, 1937b: 9

Current classification: *Ceratitis (Pterandrus) gravinotata* (Munro, 1937)

HT ♂ in BMNH

**1 PT:** Kenya: Nairobi, 1°17'S, 36°49'E, van Someren, i.1937

*hamata*, *Ceratitis hamata* Meyer, 1996: 21

Current classification: *Ceratitis (Pardalaspis) hamata* Meyer, 1996

HT ♀ in SANC

**2 PT:** Tanzania: Tanganyika, Amani, 4°52'S, 38°39'E, T.W. Kirkpatrick, xii.1938

*invadens*, *Bactrocera invadens* Drew, Tsuruta & White, 2005: 149

Current classification: *Bactrocera (Bactrocera) invadens* Drew, Tsuruta & White, 2005

**HT ♂, 2 PT:** Kenya: Coast Province: Matuga, 4°10'S, 39°34'E, AFFI METI, 12.iii.2003

*karura*, *Paratephritis karura* Munro, 1957a: 24

HT ♂ in SANC

**1 PT:** Kenya: Karura Forest, 1°14'S, 36°5'E, VGL, van Someren, i.1938

*longulum*, *Schistopterum longulum* Munro, 1937b: 12

HT ♂ in BMNH

**1 PT:** Kenya: Rift Valley: Naivasha, 0°43'S, 36°26'E, H.J.A. Turner, iii.1937

*luteipes*, *Tephritis luteipes* Merz, 1992b: 227

HT ♂ in ETHZ

**2 PT:** Spain: Tenerife, Ladera Guimar, 28°17'N, 16°26'W (GM), B. Merz, 9.iii.1990

*mariannae*, *Tephritis mariannae* Merz, 1992a: 233

HT ♀ in ETHZ

**1 PT:** Helvetia: Louk, B. Merz, 29.iv.1990

*meladiscum*, *Trirhithrum meladiscum* Munro, 1938: 166

HT ♂ in BMNH

**1 PT:** Kenya: Central: Uplands, 1°2'S, 36°38'E, van Someren, x.1937

*millicentae*, *Ceratitis millicentae* Meyer & Copeland, 2005: 1295

Current classification: *Ceratitis (Pardalaspis) millicentae* Meyer & Copeland, 2005

**HT ♂, AT ♀:** Kenya: Shimba Hills, 4°13'S, 39°25'E, Copeland, 21.vii.2000

**5 PT:** same locality, 5.ii.2001

*montana*, *Cryptophorellia montana* Freidberg & Hancock, 1989: 36

HT ♂ in TAU

**4 PT:** Kenya: Uplands, 1°2'S, 36°38'E, A. Freidberg, 5.xi.1986

*munroi*, *Bactrocera munroi* White in Copeland et al., 2004: 153



Current classification: *Bactrocera (Daculus) munroi* White, 2004

**HT ♂, 3 PT:** Kenya: Rift Valley: Mau forest, 0°14'S, 35°32'E, R.S. Copeland, 3.ii.2003

*mutabilis*, *Tephritis mutabilis* Merz, 1992a: 237  
HT ♀ in ETHZ

**1 PT:** Helvetia: Graubünden, Ausserferrera, 46°33'N, 9°26'E (GM), B. Merz, 7.vii.1989

**1 PT:** Helvetia: Ticino, Biasca, 46°21'N, 8°58'E (GM), B. Merz, 30.vii.1989

*nigrivenatus*, *Dacus nigrivenatus* Munro, 1937b: 1  
Current classification: *Bactrocera (Afrodacus) nigrivenata* (Munro, 1937)  
HT ♂ in BMNH

**1 PT:** Kenya: Nairobi: 1°17'S, 36°49'E, N. Krauss, 1936

*okumuae*, *Dacus okumuae* White, 2006: 133  
Current classification: *Dacus (Psilodacus) okumuae* White, 2006

**HT, 2 PT:** Kenya: Central: Burguret forest; Aberdare Mt., 0°0.01'S, 0°36.56'E, R.S. Copeland, 20.ix.2002

*orbicula*, *Sphenella orbicula* Munro, 1957a: 37  
HT ♂ in SANC

**2 PT:** South Africa: Natal, P. Maritzburg, 28°5'S, 30°21'E (GG), F.L. Warren, xii.1941

*tenebricus*, *Dacus osteofaciens* var. *tenebricus* Munro, 1938: 161  
Current classification: *Dacus (Didacus) tenebricus* Munro, 1938  
HT ♂ in BMNH

**30 PT:** Kenya: Ngong, 1°22'S, 36°39'E, van Someren, vi.1937, i.1938

*oraria*, *Ceratitis oraria* Meyer & Copeland, 2005: 1284  
Current classification: *Ceratitis (Ceratalaspis) oraria* Meyer & Copeland, 2005

**HT ♀, AT ♂, 2 PT:** Kenya: Sokoke Forest, 3°29'S, 39°50'E, R.S. Copeland, 3.i.2001

*pennitibialis*, *Ceratitis (Pterandrus) pennitibialis* Meyer & Freidberg, 2006: 276

**1 PT ♂, 1 PT ♀:** Kenya: Nairobi: 1°17'S, 36°49'E, van Someren, iv.1938

*perisae*, *Ceratitis perisae* Meyer & Copeland, 2005: 1289  
Current classification: *Ceratitis (Ceratalaspis) perisae* Meyer & Copeland, 2005

**HT ♀, 1 PT:** Kenya: Central: Kikuyu, 1°15'S, 36°40'E, Copeland, 21.ix.1999

*perseus*, *Ceratitis perseus* Meyer & Copeland, 2005: 1291  
Current classification: *Ceratitis (Ceratalaspis) perseus* Meyer & Copeland, 2005

**HT ♂, AT ♀:** Kenya: Coast Province: Shimba Hills, 4°13'S, 39°25'E, R.S. Copeland, 24.iv.2002

**38 PT:** Kenya: Meru District, Ngaia Forest, 0°23'N, 38°2'E, Copeland, 5.xii.2003

*pergulariae*, *Dacus pergulariae* Munro, 1938: 163  
Current classification: *Dacus (Metidacus) pergulariae* Munro, 1938  
HT ♂ in BMNH

**8 PT:** Kenya: Coast Province: Rabai, 3°55'S, 39°33'E, van Someren, viii.1937

*queritum*, *Trirhithrum queritum* Munro, 1937b: 10  
HT ♂ in BMNH

**1 PT:** Kenya: Nairobi, 1°17'S, 36°49'E, van Someren, ix.1937

*quinotata*, *Tylaspis quinotata* Munro, 1939: 5  
Current classification: *Oedaspis quinotata* (Munro, 1939)

**HT ♂:** Kenya: Chyulu Hills, 2°47'S, 37°58'E, Coryndon Museum Expedition, iv.1938

*sauteri*, *Tephritis sauteri* Merz, 1992a: 235  
Current classification: primary homonym of *Tephritis sauteri* Enderlein, 1911: 456  
valid name: *Tephritis sauterina* Merz in Merz & Freidberg, 1994: 171  
HT ♀ in ETHZ

**1 PT:** Helvetia: Graubünden, Juf, 46°26'N, 9°35'E (GM), 18.viii.1991

*scorzonerae*, *Tephritis scorzonerae* Merz, 1993: 119  
HT ♀ in TAUI

**1 PT:** Italia: Puglia, Mte. Gargano, S. Giovanni B. Merz & A. Müller, 18.viii.1991

*senex*, *Trirhithrum senex* Munro, 1938: 167  
HT ♂ in BMNH

**2 PT:** Kenya: Coast Province: Rabai, 3°55'S, 39°33'E, van Someren, viii.1937

*spatulata*, *Scedella spatulata* Munro, 1957b : 1000  
HT ♂ in SANC

**1 PT:** Kenya: Nairobi, 1°17'S, 36°49'E, van Someren, ix.1937

*teres*, *Trirhithrum teres* Munro, 1938: 165  
HT ♂ in BMNH

**1 PT:** Kenya: Coast Province: Rabai, 3°55'S, 39°33'E, van Someren, viii.1937

*tersa*, *Baryglossa tersa* Munro, 1939: 8  
HT ♂ in BMNH

**1 PT:** Kenya: Chyulu Hills, 2°47'S, 37°58'E, van Someren, vi.1938

*triatra*, *Dacus triatra* Munro, 1937b : 2  
Current classification: *Dacus (Leptoxyda) triatra* Munro, 1937  
HT ♂ in BMNH

**1 PT:** Kenya: Naivasha, 0°43'S, 36°26'E, H.J.A. Turner, vii.1936

*turneri*, *Pardalaspis turneri* Munro, 1937b: 5  
Current classification: *Ceratitis (Ceratalaspis) turneri* (Munro, 1937)  
HT ♂ in BMNH

**3 PT:** Kenya: Rift Valley: Naivasha, 0°43'S, 36°26'E, H.J.A. Turner, vi.–vii.1936  
**10 PT:** same data, iv.1937

*umbrilatus*, *Dacus umbrilatus* Munro, 1938: 159  
Current classification: *Dacus (Leptoxyda) umbrilatus* Munro, 1938  
HT ♂ in BMNH

**12 PT:** Kenya: Ngong, 0°24'S, 36°45'E, van Someren, xii.1937–i.1938

**12 PT:** Kenya: Rabai, 3°55'S, 39°33'E, van Someren, viii.1937

*vansomereni*, *Dacus vansomereni* Munro, 1938: 161  
Current classification: *Dacus (Didacus) vansomereni* Munro, 1938  
HT ♂ in BMNH

**5 PT:** Kenya: Rabai, Kenya, 3°55'S, 39°33'E, van Someren, viii.1937

*vernoniae*, *Craspedoxantha vernoniae* Freidberg, 1985: 199  
HT in TAUI

**2 PT:** Kenya: Eldoret, 0°31'N, 35°17'E, 30.x.1983

**2 PT:** Kenya: 10 km E of Kitale, 0°34'N, 34°37'E, 2.xi.1983

*whartoni*, *Munromyia whartoni* Copeland in Copeland et al., 2004: 149

**HT ♂, 5 PT:** Kenya: Nyanza Province, Koru/Brooks farm, 0°07'S, 35°16.69'E, R.S. Copeland, 15.vii.2000

*yaromi*, *Craspedoxantha yaromi* Freidberg, 1985: 201  
HT ♀ in TAUI

**1 PT:** Kenya: Rabai, 3°55'S, 39°33'E, van Someren, viii.1937

**1 PT:** Kenya: E. Kakamega, Chepsonoi, 0°13.10'N, 34°54.06'E, I. Yarom, 8–9.xi.1983

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## REFERENCES

- Bowden J (1959) Studies in African Bombyliidae. II. New East Africa species of *Systoechus* Loew. Journal of the Entomological Society of Southern Africa 22: 298–307
- Bowden J (1962) Studies in African Bombyliidae. V. A new genus of Exoprosopinae from East Africa. Journal of the Entomological Society of Southern Africa 25: 116–120
- Collart A (1937) *Zaprionus* du Kenya (Diptera: Drosophilidae). Bulletin du Musée royal d'histoire naturelle de Belgique 13 (44): 1–5
- Copeland RS, White IM, Okumu M, Machera P, Wharton RA (2004) Insects associated with fruits of the Oleaceae (Asteridae, Lamiales) in Kenya, with special reference to the Tephritidae (Diptera). Bishop Museum Bulletin in Entomology 12: 135–164
- Deeming JC (1971) Some species of *Atherigona*, Rondani (Diptera, Muscidae) from Northern Nigeria, with special reference to those injurious to cereal crops. Bulletin of Entomological Research 61: 133–190
- Drew RAI, Tsuruta K, White IM (2005) A new species of pest fruit fly (Diptera: Tephritidae: Dacinae) from Sri Lanka and Africa. African Entomology 13 (1): 149–154





Karanja, Daniel et al. 2014. "Type Specimens of the Insect Order Diptera in the Collection of the National Museums of Kenya." *Bonn zoological bulletin* 60, 48–56.

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