

Type Specimens of the Insect Orders Orthoptera, Blattodea and Dermaptera in the Collection of the National Museums of Kenya

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Abstract. This paper presents the list of orthopteroid type specimens held at the Invertebrates section of the Zoology Department, National Museums of Kenya. The type collection holds 121 type specimens of orthopteroid insects, of which 117 are paratypes (115 Orthoptera, two Blattodea), and four holotypes (two Orthoptera, two Dermaptera). Those specimens represent 43 species (39 Orthoptera [30 Caelifera, nine Ensifera], two Blattodea, two Dermaptera) in eight families and three orders. The types are sorted alphabetically under their families. Reference to the original descriptions is given. The localities, geo-reference data, name of collector(s), and the date collected are also provided.

Key words. Type specimens, orthopteroid insects, Orthoptera, Blattodea, Dermaptera, NMK Nairobi

INTRODUCTION

In this paper we present the type specimens of the orthopteroid insects of the orders Orthoptera, Blattaria and Dermaptera held at the Invertebrates Section of the National Museums of Kenya.

The type specimens of Orthoptera housed in the National Museums of Kenya dating as far back as 1941 to present day are listed below. Out of 43 names listed, only four have the holotypes deposited at NMK, a pattern that is to be seen in museums of most developing countries. The holotypes were kept in museums of developed countries depositing only paratypes in National institutions of the countries of origin of the species.

Reference to the original taxon is provided and gender and number of specimens are given. In some cases where holotypes were originally designated as deposited at NMK, like all Kevans' holotypes for his *Parasphena* types, they were later removed to BMNH. The localities where those specimens are nowadays kept have been traced in detail and are listed for all taxa concerned. Some new type specimens have been recently added by Dr. Claudia Hemp. The current collection embraces 121 type specimens of orthopteroid insects, of which 117 are paratypes (115 Orthoptera, 2 Blattodea) and 4 holotypes (2 Orthoptera, 2 Dermaptera). They represent 43 species or subspecies (39 Orthoptera [30 Caelifera, 9 Ensifera], 2 Blattodea, 2 Dermaptera).

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 and page number of the description. The current generic assignment if different from the original publication is also given. All types are listed with full locality information. This information includes names and geo-

references of the collection sites, surname and initials of the collector(s), and the dates of collection. Locality information for paratype 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 are pooled. Geo-references were taken from the original descriptions, the East African Gazetteer (1946–1949, 1956) or Geonames (2010).

ORTHOPTERA

CAELIFERA

Acrididae

aithioptera, *Acanthacris aithioptera* Mungai, 1987: 811
HT ♂ in BMNH

1 PT ♀, 1 PT ♂: Zambia: Isomba river, Ikelenge, N. Mwinilunga, 11°14'S, 24°16'E (GO), 18.i.1965; Pinhey de Moor Exp., 15.v.1972

1 PT ♂: Zambia: Mwinilunga, 11°44'S, 24°26'E (GO), iv.1963

1 PT ♂: Zambia: Ndola, N. Rhodesia, 12°58'S 28°38'E, ii.1960, R. Chowanda

1 PT ♂: 23.i.1963

bicoloripes, *Ixalidium bicoloripes* Uvarov, 1941: 28
Syntypes ♂ + ♀ in BMNH

2 PT ♂, 2 PT ♀: Kenya: Emali Range, Sultan Hammud, 2°5'S, 37°28'E (GO), 4900-5900 ft, iii.1940

crypta, *Sauracris crypta* Popov, 1959: 21
HT ♂ in BMNH

1 PT ♂, 1 PT ♀: Somalia: Somaliland Prot., W. Hosweine, 27.iii.57

darlingtonae, *Uganda darlingtonae* Ritchie, 1992: 36
HT ♂ in NMK

HT ♂: Kenya: Aberdares, SE of Chebuswa, 3250 m, 0°14'S, 36°35.5'E (OD), 19.iii.1987, J.M. Ritchie

2 PT ♂, 4 PT ♀: same data as holotype

1 PT ♀: Kenya: Aberdares, Muir's Massif, 0°17'S 36°37'E (OD), 3650 m, 7.ix.1985, J.P.E.C. Darlington

deckeni, *Kraussaria deckeni* Kevan, 1955: 477 [not Gerstaecker, 1869: 219 (*Acridium*)]

Current classification: *Kraussaria deckeni* Kevan, 1955 [not *Acanthacris deckeni* (Gerstaecker, 1869) that was temporarily combined with *Kraussaria* by Kevan, 1950 due to misidentification]

HT ♀ in BMNH

1 PT ♀: Kenya: Bura, Teita, 3°30'S 38°18'E, ii.1939

dimorphipes, *Orthochtha dimorphipes* Uvarov, 1953: 147
HT ♂ in BMNH

1 PT ♂, 1 PT ♀: Zambia: Luano Valley, N. Rhodesia, nr. Mashara, 14°50'S, 29°35'E (GO), 16.i.1928, M. Burr

emalicus, *Aulacobothrus emalicus* Uvarov, 1941: 25
Current classification: *Pnorisa emalica* (Uvarov, 1941)
HT ♂ in BMNH

5 PT ♂, 5 PT ♀: Kenya: Emali Range, Sultan Hamud, 2°5'S, 37°28'E (GO), 4900-5900 ft, iii.1940

emalicus, *Catantops (Microcatantops) emalicus* Kevan, 1950: 214

Current classification: *Brachycatantops emalicus emalicus* (Kevan, 1950)

HT ♂ in BMNH

1 PT ♂: Kenya: Emali Range, Sultan Hamud, 2°5'S, 37°28'E (GO), 4900-5900 ft, iii.1940

keniensis, *Gymnbothroides keniensis* Johnston, 1937: 218

HT ♂ in BMNH

1 PT ♂, 1 PT ♀: Kenya: Marana, 0°10'N, 36°16'E (EAG), Mrs. Adamson, v.1944

laticercus, *Heteracris brevipennis laticercus* Uvarov & van Someren, 1941: 175

HT ♂ in BMNH

1 PT ♂, 1 PT ♀: Kenya: Chyulu Hills, 2°24'S, 37°44'E (GO), 3500 ft, Coryndon Museum Expedition, vii.1938

massaica, *Chloeobora turkanae massaica* Kevan, 1955: 482

HT ♀ in BMNH

1 PT ♀: Kenya: Masai Dist., Olgasalik, 1°35'S, 36°24'E (OD), Menenghetti, viii.1943

montanus, *Gymnbothroides montanus* Kevan, 1950: 206

Current classification: *Gymnbothroides pullus montanus* Kevan, 1950

HT ♂ in BMNH

2 PT ♀: Kenya: Teita Hills, 3°25'S, 38°20'E (GO), 24.xii.1945, D.K. Kevan

nairobii, *Parepistaurus deses nairobii* Green, 1998: 272
HT ♂ in NMK

HT ♂: Kenya: Kiambu Distr., Kerita Forest, 1°S, 36°45'E (GO), 3.iii.1983, M. Ritchie & M.N. Mungai, NMK

2 PT ♂, 3 PT ♀: Kenya: Kiambu Distr., Kerita Forest, 3.iii.1983, M. Ritchie & M.N. Mungai

2 PT ♂, 1 PT ♀: Kenya: Ololua forest, Kajaido distr. Karen, nr. Nairobi, 1°22'S, 36°42'E (GO), M. Ritchie

1 PT ♂, 2 PT ♂+♀ in copulation: Kenya: Muguga Forest, beside entrance to Kenya Nat. Agric. Inst., 1°13'S, 36°38'E (GO), Ritchie

1 PT ♀: Kenya: Mataara, Gatundu, M.N. Mungai

ngongi, *Catantops ngongi* Uvarov, 1941: 32

Current classification: *Pezocatantops ngongi* (Uvarov, 1941)

HT ♂ in BMNH

3 PT ♂, 2 PT ♀: Kenya: Ngong Hills, 1°24'S, 36°38'E (GO), 8000 ft, van Someren, v.1939, ii.1940

1 PT ♀: Kenya: Ngong Hills, van Someren, ii.1940

reducta, *Rhaphotittha reducta* Uvarov, 1941: 26

Current classification: *Minihippus reductus* (Uvarov, 1941)

HT ♂ in BMNH

1 PT ♂: Kenya: Stony Athi, 1°33'S, 37°2'E (GO), B.P. Uvarov, v.1940

Lentulidae

montana, *Usambilla montana* Kevan, 1950: 211
Current classification: *Rhainopomma montanum* (Kevan, 1950)
HT ♀ in BMNH

2 PT ♀: Kenya: Teita Hills, 4500-5500 ft, 3°23'S, 38°23'E (OD), 26.xii.1945, D.K. Kevan

pseudomontanum, *Rhainopomma pseudomontanum* Hemp, 2007: 87
HT ♂ in ZMB

1 PT ♂, 1 PT ♀: Tanzania: W. Usambara, 4°45'S 38°30'E (GO), Kwagoroto Forest, 1800 m, C. Hemp, iii.2003

uguenoensis, *Rhainopomma uguenoensis* Hemp, 2007: 87
HT ♂ in ZMB

1 PT ♂, 1 PT ♀: Tanzania: Mt. Kindoroko, forest clearing, 1800-1870 m, N. Pare, 4°S, 37°45'E (GO), C. Hemp, ii.2001

Pyrgomorphidae

chyuluensis, *Parasphena chyuluensis* Kevan, 1948: 125
HT ♀ in BMNH

2 PT ♂: Kenya: Chyulu Hills, 2°24'S, 37°44'E (GO), iv.1938

iavellensis, *Parasphena iavellensis* Kevan, 1948: 117
HT ♀ in BMNH
Current classification: Synonym of *Parasphenula bora-nensis* (Salfi, 1939)

2 PT ♀: Ethiopia: Yavello Abyssinnia, 4°53'N, 38°5'E (GO), vi.1941, A.F.G. Gedye

kaburu, *Parasphena kaburu* Kevan, 1948: 122
HT ♀ in BMNH

8 PT ♂, 4 PT ♀: Kenya: Eldoret, 0°31'N, 35°17'E (OD), 6800 ft, D.K. Kevan, 14.v.1946

kinangopa, *Parasphena kinangopa* Uvarov, 1938: 168
HT ♂ in MNHN

1 PT ♀: Kenya: West Aberdare Mountains, 0°25'S, 36°38'E (GO), 10-11000 ft., A.F.J. Gedye, xi.1934

maxima, *Parasphena maxima* Kevan, 1948: 115
Current classification: *Stenoscepa maxima* (Kevan, 1948)
HT ♀ in BMNH

2 PT ♀: Kenya: Mt. Marsabit, 2°16'N, 38°00'E (GO), D.K. Kevan, ii.1944

mauensis, *Parasphena mauensis* Kevan, 1948: 121
Current classification: *Parasphena mauensis mauensis* Kevan, 1948
HT ♀ in BMNH

1 PT ♀: Kenya: Northwestern Mau: 4 miles N.W. of Mau Summit, 0°08'S, 35°42'E (OD), D.K. Kevan, 15.v.1946

naivashensis, *Parasphena naivashensis* Kevan, 1948: 120
HT ♀ in BMNH

1 PT ♀, 1 PT ♂: Kenya: Naivasha, 0°40'S, 36°28'E (OD), H.J.A. Turner, ix.1939, vii.1940

ngongensis, *Parasphena ngongensis* Kevan, 1948: 128
HT ♀ in BMNH

4 PT ♂, 6 PT ♀: Kenya: Ngong Hills, 1°25'S, 36°38'E (OD), 8000 ft, van Someren, ii.1940

rehni, *Parasphena keniensis rehni* Kevan, 1956: 113
HT ♂ in BMNH

1 PT ♀: Kenya: Kijabe, 0°56'S 36°34'E (GO), H.J.A. Turner, iv.1937

somalica, *Vittisphena somalica* Kevan, 1956: 129
HT ♀ in BMNH

1 PT ♀: Somalia: Gaan Libah., Brit. Somaliland, 9°51'N, 44°49'E (GO), vi.1942

somaticus, *Chrotogonus homalodemus somaticus* Kevan, 1959: 140
HT ♀ in BMNH

2 PT ♂, 16 PT ♀: Somalia: Mudugh: Rocca, 5°N, 47°E (GO), T.H.E. Jackson, viii.1943

teitensis, *Parasphena teitensis* Kevan, 1948: 126
HT ♀ in BMNH

1 PT ♂, 3 PT ♀: Kenya: Taita Hills, approx. 3°23'S, 38°23'E (OD), scrubby bush, 4500-5500 ft, D.K. Kevan, 24.-26.xii.1945

1 PT ♂: Kenya: Wundanyi, 3°23'S, 38°23'E (GO), 5000 ft, iii.1939

ENSIFERA**Gryllotalpidae**

brevilyra, *Gryllotalpa brevilyra* Townsend, 1983: 189
OR: robusta, *Gryllotalpa robusta* Townsend, 1983: 186
 HT ♂ of *brevilyra* in MRAC, of *robusta* in ANSP

2 PT ♂ [labelled as *G. brevilyra* but published in Townsend 1983: 187 under *G. robusta*: “Tanzania: 1 ♂, Ukerewe Is. (Conrad) (NMK)”]
 Tanzania: Ukerewe Is., Tanganyika Territory, 2°03'S, 33°00'E (EAG), Father Conrad

Tettigoniidae

ambigua, *Catantoptryx ambigua* Huxley, 1970: 159
 HT ♀ in BMNH

1 PT ♂: Uganda: Bwamba, 0°50'N, 30°33'E (EAG), R. Carcasson, v.1956

aurita, *Catantoptryx aurita* Huxley, 1970: 167
 HT ♀ in TMSA

1 PT ♂: Tanzania: E. Usambara Mts., Amani, 5°06'S, 38°39'E (EAG), Verdcourt, 1950

kilimandjarica, *Aerotegmina kilimandjarica* Hemp, 2001: 126
 HT ♂ in BMNH

1 PT ♂: Tanzania: Mt. Kilimanjaro, Lager 3, 2550 m, Lerongo, ii.2000
1 PT ♀ (wrongly labelled “holotype”): Tanzania: Mt. Kilimanjaro, Murusunga, 1600 m, xii.1999

kilimandjarica, *Amytta kilimandjarica* Hemp, 2001: 129
 HT ♂ in BMNH

1 PT ♂: Tanzania: Mt. Kilimanjaro, 3°04'S, 37°22'E (EAG), Mrusunga, 1600 m, C. Hemp
1 PT ♀: Tanzania: Mt. Kilimanjaro, Lerongo, 1800 m, west Kili, C. Hemp, ii.2000

montana, *Eulioptera montana* Ragge, 1980: 155
 HT ♂ in BMNH

2 PT ♀: Kenya: Chyulu Hills, 2°24'S, 37°44'E (EAG), 1700 m, Coryndon Museum Exped., vii.1938

tenera, *Horatosphaga tenera* Hemp, 2007: 199
 HT ♂ in ZMB

1 PT ♂, **1 PT** ♀: Kenya: foothills of Ngong Hills near Kiserian, 1°38'S, 36°52'E (EAG), savanna grassland, 1700 m, C. Hemp, v.2006

olindo, *Amytta olindo* Hemp, 2001: 131
 HT ♂ in BMNH

1 PT ♂, **1 PT** ♀: Tanzania: Mt. Kilimanjaro, Kidia, gest. Wald, C. Hemp, xi.1999

tuberosum, *Phlaurocentrum tuberosum* Ragge, 1962: 8
 HT ♂ in BMNH

1 PT ♂: Congo: Beni Forest, Belge Congo, A.F.J. Gedy, ix.1947

BLATTODEA**Blaberidae**

grandis, *Cyrtotria grandis* Princis, 1967: 147
 HT in ZMB

1 PT ♂: Tanzania: Amani, 5°06'S, 38°39'E (EAG), ex Amani Biol. Inst. E. Usambara, xii.2006

Polyphagidae

brevipennis, *Tivia brevipennis* Princis, 1967: 141
 HT in BMNH

1 PT ♀: Tanzania: Tanganyika Territory, Ukerewe Is., 2°03'S, 33°00'E (EAG), Father Conrad

DERMAPTERA**Labiidae**

bispinosus, *Pseudovostox bispinosus* Brindle, 1970: 268
 HT ♂ in NMK

HT ♂: Kenya: Katwe, 0.93°S 30.86°E (EAG), T. Jackson, ix.1932

truncatus, *Pseudovostox truncatus* Brindle, 1970: 267
 HT ♂ in NMK

HT ♂: Kenya: Rabai, 3.58°S 39.37°E (EAG), A.F.J. Gedy, i.1929

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