

A LIST OF THE TYPE SPECIMENS OF CULICIDAE HOUSED IN THE DEPARTMENT OF MEDICAL ENTOMOLOGY AT THE SOUTH AFRICAN INSTITUTE FOR MEDICAL RESEARCH, JOHANNESBURG

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ABSTRACT. A list of the mosquito holotypes and paratypes housed in the collection of the Department of Medical Entomology at the South African Institute for Medical Research is given. This list includes 17 *Aedes* species, 1 *Aedes* subspecies, 11 *Anopheles* species, 5 *Culex* species, 3 *Culex* subspecies, 1 *Mimomyia* species and 1 *Uranotaenia* species. All pinned adults are in good condition and, in the case of the immatures, where the mounting medium has dried out the specimens are still visible on the slides.

INTRODUCTION

The Department of Entomology at the South African Institute for Medical Research (SAIMR) in Johannesburg houses a large collection of type specimens of various groups of insects. This list was produced in response to recommendation 72g (4) of the International Code of Zoological Nomenclature (1985) which states that "Every institution in which name-bearing types are deposited should ... publish lists of name-bearing types in its possession or custody...". This is the first list to be published of the SAIMR material.

Historically, the National Institute for Virology (NIV) was part of the SAIMR and the following type specimens are listed in Knight and Stone (1977), Knight (1978) and Ward (1984) as being in the SAIMR. The National Institute for Virology is now independent of the SAIMR and the holotypes for these species should now be designated as being in the NIV. They are *Aedes (Aedimorphus) aerarius* McIntosh, *Aedes (Aedimorphus) veeniae* McIntosh, *Aedes (Neomelaniconion) luridus* McIntosh and *Aedes (Neomelaniconion) unidentatus* McIntosh. However, paratypes of each of the above species are present in the SAIMR collection.

Some types listed in the Catalog of the Mosquitoes of the World as deposited in the SAIMR are not present in our collections. *Anopheles cameroni* De Meillon and Evans is in the British Museum (Natural History). The whereabouts of *Anopheles cydippis* De Meillon, *Anopheles tchekedii* De Meillon and Leeson and *Anopheles vinckeii* De Meillon are unknown but there are cotypes and syntypes of *Anopheles tchekedii* in the British Museum (Natural History) (pers. comm., Dr. P. Barnard).

The adults but not the associated larval and pupal pelts of *Culex (Maillotia) salisburyensis naudeanus* Muspratt were found in our collection.

Genera and species names are listed in alphabetical

order. There are 17 species and 1 subspecies of *Aedes*, 11 species of *Anopheles*, 5 species and 3 subspecies of *Culex*, 1 species of *Mimomyia* and 1 species of *Uranotaenia*. All the pinned adults are in good condition, and even though the mounting media on some of the mounted immature material has dried out, the specimens are still clearly visible.

The actual locality data on the label of each type specimen is given in the list. Where the country is not stated on the label it has been placed in parentheses.

TYPE SPECIMENS IN THE SAIMR COLLECTION

- Aedes (Aedimorphus) aerarius* McIntosh, 1975: Oslo Beach, Natal (South Africa), April 1972. Paratypes 1 ♂, 1 ♀.
- Aedes (Aedimorphus) eritreae karoensis* Muspratt, 1961: Noupoort, Cape Province (South Africa), 1960. Holotype ♂; Paratypes 4 ♂, 6 ♀.
- Aedes (Aedimorphus) kennethi* Muspratt, 1956: Tete dist., Tongaland, Natal (South Africa), 1955. Holotype ♀; Paratypes 5 ♂, 4 ♀; 1 slide Holotype larval and pupal pelts.
- Aedes (Aedimorphus) veeniae* McIntosh, 1975: Oslo Beach, Natal, South Africa, April 1972. Paratypes 1 ♂, 1 ♀.
- Aedes (Aedimorphus) yangambiensis* De Meillon and Lavoipierre, 1944: Yangambi, Stanleyville, Belgian Congo. Holotype ♂; Paratype 1 ♂.
- Aedes (Diceromyia) zethus* De Meillon and Lavoipierre, 1944: Livingstone, N. Rhodesia, Dec. 1942. Holotype ♂; Paratypes 5 ♀; 1 slide Holotype ♂ genitalia.
- Aedes (Finlaya) luteostriatus* Robinson, 1950: Ndola, N. Rhodesia, 1947. Holotype ♂; Paratypes 3 ♂, 6 ♀; 1 slide Holotype ♂ genitalia; 1 slide Paratype ♂ genitalia; 18 slides Paratypes larval and pupal pelts.
- Aedes (Mucidus) lucianus* Muspratt, 1959: M' Candusi, Zululand (South Africa) 1957. Holotype ♂; Paratypes

- 1 ♂, 1 ♀; 1 slide Paratype ♂ genitalia.
- Aedes (Neomelaniconion) aurovenatus* Worth, 1960: Ndumu, Natal (South Africa), Jan. 1959. Holotype ♀; Paratype 1 ♀.
- Aedes (Neomelaniconion) luridus* McIntosh, 1971: Bethulie, Orange Free State (South Africa), March 1969. Paratypes 1 ♂, 1 ♀.
- Aedes (Neomelaniconion) unidentatus* McIntosh, 1971: Olifantsvlei, Johannesburg (South Africa), 20.11.1969. Paratype 1 ♂.
- Aedes (Ochlerotatus) breedensis* Muspratt, 1953: Worcester, Cape Province (South Africa), 1951. Holotype ♂; Paratypes 4 ♂, 3 ♀; 1 slide Holotype larval and pupal pelts; 3 slides Paratypes ♂ genitalia; 6 slides Paratypes larval and pupal pelts.
- Aedes (Ochlerotatus) harrisoni* Muspratt, 1953: Hex River, Cape Province (South Africa), 1951. Holotype ♂; Paratypes 2 ♂, 6 ♀; 1 slide Holotype larval and pupal pelts; 4 slides Paratypes ♂ genitalia; 3 slides Paratypes larval and pupal pelts.
- Aedes (Ochlerotatus) juppi* McIntosh, 1973: Onderstepoort, South Africa, Nov. 1972. Paratypes 1 ♂, 1 ♀.
- Aedes (Stegomyia) amaltheus* De Meillon and Lavoipierre, 1944: Livingstone, N. Rhodesia, 9.12.1942. Holotype ♂; Paratypes 1 ♂, 3 ♀; 1 slide Holotype ♂ genitalia; 1 slide Holotype larval and pupal pelts.
- Aedes (Stegomyia) ledgeri* Huang, 1981: Sibasa, Makonde, Transvaal (South Africa), 6 February 1980. Paratype 1 ♂, 1 ♀; 2 slides Paratypes larval and pupal pelts.
- Aedes (Stegomyia) saimedres* Huang, 1988: Okakara, Namibia, 1950. Paratypes 6 ♀; 3 slides Paratypes ♀ genitalia.
- Aedes (Stegomyia) strelitziae* Muspratt, 1950: Margate, Natal (South Africa) 1950. Holotype ♂; Paratypes 3 ♂, 6 ♀; 1 slide Holotype ♂ genitalia; 1 slide Holotype larval and pupal pelts.
- Anopheles (Anopheles) caliginosus* De Meillon, 1943: Jadotville, Zaire. Holotype ♀; Paratypes 4 ♀.
- Anopheles (Anopheles) namibiensis* Coetzee, 1984: Mahonga, Kavango, Namibia, 17.04.1980. Paratypes 2 ♂, 3 ♀; 1 slide Paratype ♂ genitalia; 5 slides Paratypes larval and pupal pelts.
- Anopheles (Cellia) deaconi* De Meillon and Van Eeden, 1976 = *Anopheles azevedoi* Ribeiro, 1969 (White 1980): Voorsorg, Upington, Cape Province, South Africa, 1975. Holotype ♀.
- Anopheles (Cellia) hughii* Lambert and Coetzee, 1982: Makonde, N. Transvaal, South Africa, 20.04.1980. Paratypes 2 ♂, 2 ♀; 4 slides Paratypes larval and pupal pelts.
- Anopheles (Cellia) kosiensis* Coetzee, Segerman and Hunt, 1987: Kosi Bay, Zululand (South Africa), 29.10.84. Holotype ♀; Paratypes 3 ♂, 2 ♀; 1 slide Holotype larval and pupal pelts; 5 slides Paratypes larval and pupal pelts.
- Anopheles (Cellia) letabensis* Lambert and Coetzee, 1982: Greystones, Transvaal, South Africa, 16.04.80. Paratypes 2 ♂, 2 ♀; 4 slides Paratypes larval and pupal pelts.
- Anopheles (Cellia) mascarensis* De Meillon, 1947: Madagascar, 1942. Holotype ♀; Paratypes 2 ♂, 1 ♀.
- Anopheles (Cellia) michaeli* De Meillon and Leeson, 1940 = *Anopheles schwetzi* Evans, 1934 (White 1980): Ndola, N. Rhodesia, Feb. 1939. Holotype ♀.
- Anopheles (Cellia) mousinhoi* De Meillon and Pereira, 1940: Manjacaze, P.E.A. (Portuguese East Africa), 1940. Holotype ♀.
- Anopheles (Cellia) radama* De Meillon, 1943: Madagascar, 1942. Holotype ♀.
- Anopheles (Cellia) vaneedeni* Gillies and Coetzee, 1987: Pusela, Tzaneen, Transvaal, South Africa, 04.08.1981. Paratypes 3 ♂, 2 ♀.
- Culex (Culex) astridianus* De Meillon, 1942: Astrida, Ruanda Urundi (Rwanda). Holotype ♂; Paratype 1 ♀; 1 slide Holotype ♂ genitalia. [Both pinned and slide specimens have been mislabelled as *Culex (Culex) astridiensis*.]
- Culex (Culex) invidiosus vicinialis* De Meillon and Lavoipierre, 1944: Yangambi, Belgian Congo. Holotype ♂; 1 slide Holotype ♂ genitalia.
- Culex (Culex) quinquefasciatus* Say, 1823: New Orleans, LA (USA). 18.IX.1969. Neoallotype ♀; Neoparatypes 3 ♂, 3 ♀; 1 slide Neoallotype larval and pupal pelts; 3 slides Neoparatypes larval and pupal pelts.
- Culex (Culex) striatipes joanae* Muspratt, 1955: Mount Anderson, Transvaal (South Africa). Holotype ♂; Paratypes 2 ♂, 2 ♀; 1 slide Holotype ♂ genitalia.
- Culex (Culex) telesilla* De Meillon and Lavoipierre, 1944: Yangambi, Stanleyville Prov., Belgian Congo. Holotype ♂; Paratypes 2 ♂, 1 ♀.
- Culex (Eumelanomyia) castor* De Meillon and Lavoipierre, 1944: Bili, Belgian Congo. Holotype ♂; Paratypes 2 ♀.
- Culex (Maillotia) avianus* De Meillon, 1943: Cathedral Peak National Park (South Africa), 31.8.42. Holotype ♂; Paratypes 4 ♂, 6 ♀.
- Culex (Maillotia) salisburyensis naudeanus* Muspratt, 1961: Naudesberg, Cape Province (South Africa). Holotype ♂; Paratypes 3 ♂, 8 ♀; 4 slides Paratypes ♂ genitalia.
- Mimomyia (Mimomyia) parenti* De Meillon and Lavoipierre, 1944: Yangambi, Stanleyville Prov., Belgian Congo. Holotype ♂; Paratype 1 ♀; 1 slide Holotype ♂ genitalia; 1 slide Holotype pupal pelt.
- Uranotaenia (Uranotaenia) palmeirimi* De Meillon and Rebelo, 1941: Pebane, Quelimane (Mozambique) 29.5.1940. Holotype ♀.

LOCALITY SYNONYMY

- Namibia = South West Africa
 Zaire = Belgian Congo
 Zambia = Northern Rhodesia
 Mozambique = Portuguese East Africa = P.E.A.
 Rwanda = Ruanda Urundi

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