

28972 A LIST OF THE MOSQUITOES OF JAMAICA, BRITISH WEST INDIES

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Previous lists of mosquitoes of the Island of Jamaica have been published by Theobald and Grabham (1), C. W. Johnson (2), and Gowdey (3). In these works a total of 37 species are reported. Of this number four are not now known to occur on the Island. The present list includes 52 species, of which two are undescribed and another is renamed. The new records here given are principally those

of recent collections made by Dr. R. G. Hill of Rockefeller Foundation and Dr. Harry D. Pratt, Col. W. H. W. Komp, and the writer, all of the U. S. Public Health Service. Extensive work on the mosquitoes of the Island is now being conducted by Dr. Hill and it is quite possible that additional species will be discovered.

LIST OF MOSQUITOES OF JAMAICA WITH SYNONYMY *

ANOPHELES

- albimanus* Wiedeman 1, 2, 3, 4, 5, 7, (The following synonymy applies to Jamaica collections only in the references cited.)
albipennis Robineau-Desvoidy 1
Cellia argyrotarsis Robineau-Desvoidy 1, 2, 4
Cellia albipes Theobald 1
Cellia argyrotarsis albipes Theobald 1, 2, 3
atropos Dyar & Knab 5, Little Goat Island, Light Trap June 1945, G. A. Thompson coll.
crucians Wiedemann 2, 3, 4, 5
**grabhamii* (Theobald) 1, 2, 3, 4, 5, 7
vestitipennis Dyar & Knab 2, 3, 4, 5, 7

AEDES

- egypti* (Linnaeus) 3, 5, 7
argenteus (Poiret) 2
fasciata (Fabricius) 1, 9
**inequalis* (Grabham) 2, 3, 4, 5, 7, 15
**aureostriata* (Grabham) 2, 3, 4, 5, 7, 9
**aurites* (Theobald) 2, 3, 4, 5, 7
mediovittatus (Coquillett) 2, 3, 4, 5, 7
**uncatus* (Grabham) 8
nubilus Theobald 4, 5, 7, 10
**pertinax* (Grabham) 2, 10
scapularis (Rondani) 2, 3, 4, 5, 7
Culex confirmatus Theobald 1, 8
sollicitans Walker 1, 2, 3, 4, 5, 7
taeniorhynchus Wiedeman 1, 3, 4, 5, 7
niger (Giles) 2
**tortilis* Theobald 1, 2, 3, 4, 5, 7
**auratus* Grabham 10
**walkeri* Theobald 1, 2, 3, 4, 5, 7, 9
*Undescribed species Clarendon, Bromeliads, July 1945, G. A. Thompson coll.

CULEX

- aikeni* Aiken Clarendon, Light Trap, Feb. 1945, G. A. Thompson coll.
americanus (Neveu-Lemaire) 5
**atratus* Theobald 1, 2, 3, 4, 5, 7
bahamensis Dyar & Knab 5, Little Goat Island, Light Trap, June 1945, G. A. Thompson coll.
chidesterei Dyar 5
corniger Theobald 2, 3, 4, 5
**hassardi* Grabham 9
lactatus Dyar & Knab 10
subfuscus Theobald 2
erraticus Dyar & Knab (Clarendon, Feb. 1945, G. A. Thompson and H. D. Pratt coll.)
flabellifer Komp 5
inhibitor Dyar & Knab 3, 4, 5
atratus Theobald (in part)
**janitor* Theobald 1, 2, 3, 4, 5
nigripalpus Theobald 3, 4, 5, 7, 8
**similis* Theobald 1, 2
**microsquamosus* (Grabham) 2, 8
**macrosquamosa* (Grabham) 3
pilosus Dyar & Knab 2, 3, 4, 5, 6, 7, 10
reductor Dyar & Knab 2, 3
**Mochlostyax jamaicensis* Grabham 3, 10
quinquefasciatus Say 2, 5, 7
fatigans Wiedemann 1, 9
revocator Dyar & Knab
**secutor* Theobald 1, 2, 3, 4, 5, 9, Hardware Gap, Blue Mts., Feb. 1946, G. A. Thompson and W. H. W. Komp coll.
quasiselector Theobald 11
taeniopus Dyar & Knab 3, 4, 5
**Melanoconion annulipes* Theobald 2

DEINOCERITES

- **cancer* Theobald 1, 2, 3, 4, 5, Little Goat Island, Light Trap, June 1945, G. A. Thompson coll.

*An asterisk indicates species or synonyms for which Jamaica is the type locality. Numbers following names refer to references cited.

HAEMOGOGUS

**equinus* Theobald 1, 2, 3, 4, 5

MANSONIA

indubitans Dyar & Shannon 5, Clarendon, Light Trap, Jan. 1945, G. A. Thompson coll.

nigricans (Coquillett) 5, Clarendon, Light Trap, Feb. 1945, G. A. Thompson coll.

titillans (Walker) 1, 2, 3, 4, 5, Clarendon, Light Trap, Jan. 1945, G. A. Thompson coll.

MEGARHINUS

portoricensis Roeder 5

ORTHOPODOMYIA

signifera (Coquillett) 3, 4, 5, 7

**Mansonia waverleyi* Grabham 2

PSOROPHORA

confinnis Lynch Arribalzaga 3, 5, 7

**jamaicensis* Theobald 1, 2, 4

**walsinghami* Theobald 12

ferox (Humboldt) 3, 5, 7

posticatus Wiedemann 2

**Janthinosoma echinata* Grabham 10

infinis Dyar & Knab 5

**Johnstonii* Grabham 2, 3, 5, 7, 8

**pygmaea* Theobald 1, 2, 3, 4, 5, 7

URANOTAENIA

lowii Theobald, 1, 2, 3, 4, 5, 7, 8

sapphirina (Osten-Sacken) 4, 5, 7, 8

**socialis* Theobald 1, 2, 8

WYEOMYIA

caracula Dyar & Nunèz-Tovar 14

**hirsuta* (Hill & Hill)

**Phoniomyia hirsuta* Hill & Hill 13, 16

**mitchellii* Theobald 1, 2, 3, 4, 5, 7

**Dendromyia mitchellii* Theobald 1

pampithes Dyar & Nunèz-Tovar 5

pertinans (Williston) 5, 7

**grayii* Theobald 1, 2, 3

vanduzeei Dyar & Knab 5

*Undescribed species Hardware Gap above 5,000 feet in Bromeliads, Jan. 1946. G. A. Thompson and W. H. W. Komp

Identifications of all specimens in the above list collected by the writer (7) have been verified by Dr. Alan Stone of the U. S. National Museum, by Colonel Komp, or by Captain Pratt. With the exception of *Culex aikenii*, specimens of all species recorded from Jamaica for the first time have been deposited in the U. S. National Museum, Washington, D. C. Only a single specimen of *aikenii* was collected, and it is in the collection of Colonel Komp.

Aedes aureostriata (Grabham) has long been considered to be a synonym of *A. aurites* (Theobald). However, on close examination of the literature it appears that both *aureostriata* and *aurites* are synonyms of *A. inequalis* (Grabham). The complete synonymy for this species will appear in a forthcoming paper. The records of *Culex taeniopus* D. & K. are based on females only.

The four species of mosquitoes reported by previous authors but which probably do not occur on the Island, are *Anopheles punctipennis* Say, *A. maculipes* (Theobald), *Culex macrosquamosa* (Grabham), and *Psorophora haruspicus* (D. & K.). Theobald's record (1) of *Anopheles punctipennis* has previously been questioned by Dyar and Knab (11) and his record of *A. maculipes* is believed to be questionable since it was based on female specimens only. The record of *Culex macrosquamosa* (Grabham) reported by Gowdey (3) is clearly a *lapsus calami* since the species indicated in the reference cited is *C. microsquammosus* (Grabham). The original record of *Psorophora insularia* (D. & K.) reverts to that by Grabham of *P. haruspicus* (D. & K.) made in 1906. This species has not since been found.

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