

000700-3. K. 17

Dipl.

DEPARTMENT OF AGRICULTURE

JAMAICA

CHICAGO NATURAL
HISTORY MUSEUM

SEP 20 1946

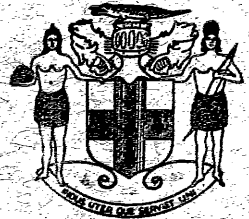
CATALOGUS
INSECTORUM JAMAICENSIS
SUPPLEMENT

SOUTH EAST ASIA MOSQUITO PROJECT
DEPARTMENT OF ENTOMOLOGY
SMITHSONIAN INSTITUTION
UNITED STATES NATIONAL MUSEUM
WASHINGTON, D. C. 20560

A LIST OF THE MOSQUITOES FOUND IN JAMAICA

By

ROLLA B. HILL
and
CLAIRE McDOWELL HILL



PRINTED BY
THE GOVERNMENT PRINTER,
DUKE STREET, KINGSTON.

1948

A LIST OF THE MOSQUITOES FOUND IN JAMAICA †

Rolla B. Hill

and

Claire McDowell Hill

Two lists of the mosquitoes of Jamaica have been published locally. The first, "The Mosquitoes or Culicidae of Jamaica", by Theobald and Grabham, was published by the Institute of Jamaica in 1905. The second was prepared by C. C. Gowdey as a part of his "Catalogus Insectorum Jamaicensis", and published by the Department of Agriculture in 1926.

Since these lists were printed, some changes in nomenclature have been made, some former species have been reduced to synonymy, particularly by Dyar in "The Mosquitoes of the Americas" (1928), and a number of species have been found which are new for Jamaica. In addition, one species new to science has been reported. All this makes the preparation of a new list desirable.

In extensive collections made in various parts of the Island in the past three years, we have identified almost all the previously known valid species, and have found one new species and thirteen others hitherto unreported from Jamaica.

Mr. George A. Thompson, Jr., and Mr. Harry D. Pratt, of the United States Health Service, have found, respectively, **Mansonia indubitans**, **Aedes nubilus** and **Culex erraticus**, and have kindly allowed us to include them in this compilation. Seventeen species new to Jamaica are therefore included.

The number of species now reported totals 50.

Certain species of Anopheles, listed by Theobald and Grabham, and by Gowdey, have been omitted. If they ever occurred, their presence was probably accidental, and they have since disappeared.

We are greatly indebted to Mr. W. H. W. Komp, of the U.S.P.H.S., to Dr. John Lane of the University of Sao Paulo, and to Dr. Alan Stone of the U.S. National Museum, for identification or confirmation of identification of a number of species of whose identity we were in doubt.

We have followed Stone in making **Psorophora jamaicensis** a synonym of **P. confinnis**. The general classification follows that of Edwards.

Order: DIPTERA

Family: CULICIDAE

Sub-family: CULICINAE

Tribe Sabethini

Genus *Wyeomyia* Theobald

- *caracula* Dyar & Nuñez Tovar 1927
 (Theobald 1905)
mitchelli (Dyar & Nuñez Tovar 1928)
**pampithes* (Williston 1896)
pertinans (Williston 1896)
**vanduzeei* Dyar & Knab 1906

Genus *Phoniomyia* Theobald

- *hirsuta* Hill & Hill 1946 (new species)

Tribe Culicini

Genus *Psorophora* Robineau-Desvoidy

- confinnis* (Lynch Arribáizaga 1891)
 (synonym *jamaicensis* Theobald 1901)
ferox (Humboldt 1820)
**infinis* Dyar & Knab 1906
insularius (Dyar & Knab 1906)
johnstonii (Grabham 1905)
pygmaea (Theobald 1903)

Genus *Haemogogus* Williston

- equinus* Theobald 1903

Genus *Aedes* Meigen

- aegypti* (Linnaeus 1762)
aurites (Theobald 1907)
**busckii* (Coquillett 1906)
mediovittatus (Coquillett 1906)
**nubilus* (Theobald 1903)
scapularis (Rondani 1848)
sollicitans (Walker 1856)
taeniorhynchus (Wiedemann 1821)
tortilis (Theobald 1903)
walkeri (Theobald 1901)

Genus *Mansonia* Blanchard

- *indubitans* Dyar & Shannon 1925
**nigricans* (Coquillett 1904)
titillans (Walker 1848)

Genus *Deinocerites* Theobald

- cancer* Theobald 1901

Genus *Culex* Linnaeus

- *americanus* (Neveu-Lemaire 1906)
atratus Theobald 1901
**bahamensis* Dyar & Knab 1906
**chidesteri* Dyar 1921
corniger Theobald 1903

*Indicate species not previously reported from Jamaica.

<i>*erraticus</i>	(Dyar & Knab 1905)
<i>*flabellifer</i>	Komp 1936
<i>*inhibitor</i>	Dyar & Knab 1906
<i>janitor</i>	Theobald 1903
<i>nigripalpus</i>	Theobald 1901
<i>quinquefasciatus</i>	Say 1823
<i>pilosus</i>	(Dyar & Knab 1906)
<i>secutor</i>	Theobald 1901
<i>taeniopus</i>	Dyar & Knab 1907
Genus <i>Orthopodomyia</i>	Theobald
<i>signifera</i>	(Coquillett 1896)
Genus <i>Megarhinus</i>	Robineau-Desvoidy
<i>*portoricensis</i>	von Röder 1885
Genus <i>Uranotaenia</i>	Lynch Arribáizaga
<i>lowii</i>	Theobald 1901
<i>sapphirina</i>	(Osten-Sacken 1868)

Tribe Anophelini

Genus <i>Anopheles</i>	Meigen
<i>albimanus</i>	Wiedemann 1821
<i>*atropos</i>	Dyar & Knab 1906
<i>crucians</i>	Wiedemann 1828
<i>grabhamii</i>	Theobald 1901
<i>vestitipennis</i>	Dyar & Knab 1906

*Indicate species not previously reported from Jamaica.