

DISTRIBUTION OF THIS
DOCUMENT IS UNLIMITED

AD

AD 660288

TECHNICAL REPORT
67-65-ES

ARTHROPODS OF MEDICAL IMPORTANCE IN ASIA
(AND THE EUROPEAN USSR)

Part I of Two Parts, Printed Separately

by

B. V. Travis, Ph. D.

and

Renato M. Labadan, Ph. D.

College of Agriculture, Cornell University
Ithaca, New York

June 1967

Project Reference:
1V025001A129

Series:
ES-32

U.S. Army Materiel Command
U.S. ARMY NATICK LABORATORIES
Natick, Massachusetts 01760

This report presents results of Contract DA19-129-AMC-417(N)

**Sponsored by
OFFICE, CHIEF OF RESEARCH AND DEVELOPMENT
Department of the Army**

**Monitored by
Earth Sciences Laboratory
U.S. Army Natick Laboratories**

ARTHROPODS OF MEDICAL IMPORTANCE IN ASIA
(AND THE EUROPEAN USSR)

PART I

Introductory and Explanatory Material

Data on Mosquitoes

[Part II, published separately, contains
Data on Arthropods other than Mosquitoes]

FOREWORD

This report is one of the end-products of a series of studies that began in 1952 when the Office of The Quartermaster General awarded a contract to Cornell University for summarization of distributional data for insects and other arthropods of medical importance. The studies were planned in cooperation with personnel of the Office of the Surgeon General and the U. S. Department of Agriculture. Dr. Bernard V. Travis, Professor of Medical Entomology and Parasitology at Cornell University, has been the principal investigator since the inception of the series. A thorough search was made of the entomological literature, and for each country and major geographical region of the world a "summary report" was prepared, listing the reported occurrences and habitat data for medically important arthropods. These summary reports were placed on file at the Natick Laboratories and the Military Entomology Information Service, Walter Reed Army Medical Center, where they are available for loan and reference.

By 1964, it became evident that changes in the field of entomology--both in knowledge acquired and in the distributions of some species--required updating of the material contained in the country summary reports. It was decided also that the material would be more useful if consolidated on a continental rather than a country basis. Contracts were let with Cornell University for accomplishing these two tasks simultaneously, and the present report is the second result of this work, following an earlier report on Arthropods of Medical Importance in Africa. It will be followed by similar volumes for the other continents. For convenience in handling data sources, the European portion of the USSR was included with Asia in this compilation.

Because of the large number of entries, the report is in two parts, printed separately. Part I contains all the introductory material and data on mosquitoes; Part II contains data on arthropods other than mosquitoes.

Mapping of the distributions of the most important species is being done by the University of Pittsburgh's Department of Geography, and when completed for all continents the maps will be published in an Atlas of Medically Important Arthropods, to accompany this and the other continental summaries.

The contract under which this work was accomplished was supported by funds from the Office of the Chief of Research and Development, Department of the Army, and the U.S. Army Biological Laboratories, Fort Detrick, Maryland. This contract as well as the previous contracts in insect geography, was monitored by Mr. Carl W. Ross, formerly Geographer with the then Earth Sciences Division. Dr. John J. Pratt, Jr., Entomologist in the Pioneering Research Laboratory, was alternate project officer. The final phases of its completion and publication were supervised by Dr. William C. Robison, Chief of the Geography Division, this Laboratory.

The following members of the staff at Cornell University assisted the authors in preparing this compilation: Eveline Aron, Bine Cronhimer, Editha Gagni, Varda Langefeld, Susan Sirrine, Helen Younger and Ruth Breen, Librarian, Department of Entomology, Cornell University. Priscilla Lawrence typed the manuscript.

The Earth Sciences Laboratory is pleased to be able to present the results of the labors of Dr. Travis and his co-workers for the use of Army specialists in preventive medicine, public health officers, and entomologists.

L. W. TRUEBLOOD, Ph.D.
Director
Earth Sciences Laboratory

APPROVED:

DALE H. SIELING, Ph.D.
Scientific Director

W. M. MANTZ
Brigadier General, USA
Commanding

TABLE OF CONTENTS

Page

PART I INTRODUCTORY MATERIAL AND DATA ON MOSQUITOES

Abstract

INTRODUCTION

1. Format of this report
2. Table 1 explained
3. Table 2 explained
4. Addenda to tables explained
5. Literature Cited section explained
6. Special comments on synonymy, interpretation of statements and order of listings in Table 1

INDEX AND MAP OF COUNTRIES OF ASIA AND THE EUROPEAN USSR

ARTHROPOD DATA

A. Mosquitoes	1
1. Table 1. Mosquitoes	2
Addenda	260
2. Table 2. Summary of diseases or disease organisms transmitted by mosquitoes	261
3. Literature cited	273

PART II DATA ON ARTHROPODS OTHER THAN MOSQUITOES

B. Black flies	323
1. Table 1. Black flies	324
2. Literature cited	340
C. Sand flies	345
1. Table 1. Sand flies	346
2. Table 2. Summary of diseases or disease organisms transmitted by sand flies	368
3. Literature cited	370
D. Midges	381
1. Table 1. Midges	382
Addenda	402
2. Table 2. Summary of diseases or disease organisms transmitted by midges	403
3. Literature cited	404

TABLE OF CONTENTS

	<u>Page</u>
E. Horse flies	407
1. Table 1. Horse flies	408
2. Literature cited	488
F. Biting flies	495
1. Table 1. Biting flies	496
2. Literature cited	498
G. Non-Biting flies	499
1. Table 1. Non-Biting flies	500
2. Table 2. Summary of diseases or disease organisms transmitted by non-biting flies	504
3. Literature cited	508
H. Fleas	511
1. Table 1. Fleas	512
2. Table 2. Summary of disease or disease organisms transmitted by fleas	575
3. Literature cited	576
I. Bugs	587
1. Table 1. Bugs	588
2. Literature cited	590
J. Urticating and vesicating arthropods	593
1. Table 1. Urticating and vesicating arthropods	594
2. Table 2. Summary of diseases or disease organisms transmitted by urticating and vesicating arthropods	597
3. Literature cited	599
K. Ticks	601
1. Table 1. Ticks	602
2. Table 2. Summary of disease or disease organisms transmitted by ticks	641
3. Literature cited	643
L. Mites	657
1. Table 1. Mites	658
2. Table 2. Summary of diseases or disease organisms transmitted by mites	670
3. Literature cited	672

TABLE OF CONTENTS

	<u>Page</u>
M. Miscellaneous arthropods	677
1. Table 1. Miscellaneous arthropods	678
2. Table 2. Summary of diseases or disease organisms transmitted by miscellaneous arthropods	681
3. Literature cited	683

ABSTRACT

The occurrence of insects and other arthropods of medical importance in Asia and the European USSR is summarized on the basis of a compilation of most of the available references in the scientific literature. The report includes, for each major group of arthropods, a listing of species and subspecies with biological and distributional data, tabulations of disease or disease organisms transmitted, and complete literature citations.

The groups of arthropods included, with the number of species or subspecies in each shown in parentheses (totaling 4389), are:

Part I: Mosquitoes (1236)

Part II: Arthropods other than mosquitoes: Black flies (228), Sand flies (166), Midges (272), Horse flies (1132), Biting flies (9), Non-biting flies (36), Fleas (717), Bugs (11), Urticating and vesicating arthropods (23), Ticks (401), Mites (134), and Miscellaneous arthropods (24).

**ARTHROPODS OF MEDICAL IMPORTANCE IN ASIA
(AND THE EUROPEAN USSR)**

INTRODUCTION

1. Format of this report

As will be seen from the Abstract and the Table of Content, the data in this report are presented according to arthropod groups. Part I is on Mosquitoes. Part II contains data on the other groups of arthropods.

For each arthropod group the data are presented in two tables. In Table 1, which is the basic table for each arthropod group, are listed the arthropods, biological data, distribution, and documentary references. In Table 2 are summarized the disease organisms said by the authors to be transmitted by the arthropods.

After the above-mentioned tabular material there is, for each arthropod group, a section of Literature Cited, containing the complete citation referred to in the basic table (Table 1).

The format of the data sections of the report is explained below. At the end of this Introduction there are brief explanatory comments on synonymy, interpretation of statements, and the order of listings for any particular species in Table 1.

2. Table 1 explained

For each group of arthropods (mosquitoes, black flies, etc.) its basic table, Table 1, lists for each species and subspecies the distribution (country or countries), together with any biological data, and the reference documenting each entry. We will explain this table by considering entries under each column heading in turn.

a. SPECIES

Under the first heading, SPECIES, is entered: genus, species, subspecies (if any), and describer.

The format for a typical entry under SPECIES is somewhat variable, depending on the information available for each arthropod group. Typically, the genera and species are listed in alphabetical order in each group. No entries are made for subgenera. However, the subspecies, varieties and forms are listed as they appear in the publications. The describer's name is given unless the author has not listed the name and it is not clear from the literature what the describer's name should be.

See note on synonymy at the end of this Introduction.

b. BREEDING HABITATS: ADULT ACTIVITY: DISTRIBUTION

The basic data of Table 1 are presented under these headings. The entries in the table are made in the same order as the heading indicates, and are separated by the same punctuation mark, ";". "No data" is indicated by "---"; that is, there may be no data in BREEDING HABITATS or ADULT ACTIVITY. Under DISTRIBUTION, the third category of information, a number is entered; this number represents a country which may be identified by consulting the Index of Countries, immediately following this Introduction.

For example, the entry for the second item on page 2 (---;---;143) means that there are no data on BREEDING HABITATS or ADULT ACTIVITY for India (number 143 under DISTRIBUTION, as identified in the Index of Countries) for the particular species.

Further comments on each part of this heading follow:

BREEDING HABITATS: No entry is made (as indicated by "---") unless the author makes clear and specific statements. The data concerning the biology of the immature forms are quite sparse, except for mosquitoes.

ADULT ACTIVITY: Again, no entry is made (as indicated by "---") unless the author makes clear and specific statements. Also, except for mosquitoes, the authors present little biological data for adult arthropods.

DISTRIBUTION: As indicated by the heading, the third category of information is **DISTRIBUTION** and the entry in the table consists of one or more numbers. These numbers represent countries in Asia and may be identified by referring to the Index of Countries. All entries in this report (Table 2, **COUNTRY**, as well as Table 1, **DISTRIBUTION**) use these numbers instead of the full country name. For example, 3 is the entry Afghanistan. Where the authors have not recorded the specific country, an inclusive number is used. For example, 31 is the entry for Asia.

c. Symbols attached to the country number or to a reference date

In the **DISTRIBUTION** column, the country number may have a symbol attached to it, e.g., 143* or 143°. In the **DATE** column, the date may have a symbol attached to it, e.g., 1913+.

Symbol * after a country number indicates that the species is said by the author to transmit a disease organism to man. For example, on page 2 of this report, the 8th listing is "... 59*". This means that the species in Burma are said to transmit a disease organism to man. When this symbol is used, the species of arthropod and the disease transmitted are entered in the table immediately following; that is, such entries in Table 1 are summarized in Table 2. Where two asterisks (**) appear, they refer to two separate diseases.

Symbol ° after the country number indicates that the species is said by the author either to bite or directly annoy man. For example, on page 2 of this report, the 7th listing ends "... 190°". This means that the particular species in Malaya (country 190 in the Index) is said by the author either to bite or annoy man. These entries are not summarized as are those marked "*" above.

Symbol + after the reference date indicates that the record is an unconfirmed entry. For example, on page 2 of this report, the next listing ends "MacGilchrist 1913 +". This means that the particular entry "---; bites by day; 143°" (country 143 in the Index is India) needs further confirmation. The same symbol (+) is used in Table 2, disease entries corresponding to the entries in Table 1. For example, on page 261 of this report, under the third summary entry in the **COUNTRY** column, 145+ means that the disease entry for Indonesia--Borneo, Celebes needs further confirmation.

d. (GENERAL STATEMENTS)

In addition to the three main categories of information as described above, the column heading indicates that there may be general statements. If so, this entry is made after those of the three main categories and is enclosed in parentheses, exactly as the column heading indicates. This may be a statement for either the various countries or continents or for the various species. For example, on page 2, this report, the 4th entry ends: "... (Vector of yellow fever)". Also, on page 11, the 4th entry ends "... (Treeholes)".

e. AUTHOR AND DATE

Every entry in Table 1 is documented by an author (or a senior author) and date of publication. The **AUTHOR** and **DATE** (year of cited publication) are entered in the last two columns of Table 1. (The complete literature citation is given, for each arthropod group, in the section immediately following the tables.)

3. Table 2 explained

As noted above, all entries marked "*" in a table are summarized, for the particular species of arthropod, in the table immediately following, giving the country or countries where occurring, and the disease or disease organism transmitted.

Table 2 summarizes such items from Table 1. For example, on page 2 of this report (Mosquitoes, Table 1) the 8th entry contains the following: "... 59*" and "... 144*". We note, on this and succeeding pages, under the same species, other listings with this symbol: "... 76* ... 118* ... 139* etc. These and similarly marked country listings are summarized at the beginning of Table 2, page 261. Besides the SPECIES and the COUNTRY, the table also gives information on DISEASE OR DISEASE ORGANISM. Entries in these columns are discussed below.

a. SPECIES AND COUNTRY

The SPECIES is, of course, that indicated in Table 1, and the COUNTRY column summarizes all the numbers (i.e., countries) listed under DISTRIBUTION in Table 1 for this particular species that are marked "*".

b. DISEASE OR DISEASE ORGANISM

Under this heading there are four subheadings (VIRUS & RICKETTSIA; PROTOZOA; HELMINTHS; OTHER). The subheading itself may be broken down, where necessary. For example, on page 261 (Mosquitoes, Table 2), the first subcolumn (VIRUS & RICKETTSIA) is broken down as: Dengue, Yellow fever, and Japanese "B" encephalitis, with numbers indicating the appropriate countries.

4. Addenda to tables explained

A few entries in the Mosquito and Midge sections were confirmed after the tables were typed. These entries were typed as an addendum immediately following the last entry in the main Table 1 for each of these two groups. For example, on page 402 of this report, three entries were made which merely added more information to what was already recorded in the main table. No additional species or subspecies were added to either Mosquitoes or Midges. Addenda table page 260 follows the same format of Table 1 as explained above.

5. Literature Cited section explained

At the end of each arthropod section there is a complete list of Literature Cited, as referred to in the last column of Table 1 (AUTHOR AND DATE).

The abbreviations of the periodicals follow the World List of Scientific Periodicals.

6. Special comments

a. A note on synonymy

The problem of attempting to straighten out synonymy of scientific names is beyond the scope of this report. Except for a few species, the scientific names as used by the authors are entered in the tables. In a few cases we have followed the synonymy of an acceptable monograph. As there is no universal agreement among taxonomists, the responsibility for synonymy must be referred to the interpretation of each specialist.

b. A note on interpretation of statements

An attempt has been made to avoid interpreting the published statements. This has been found difficult in matters concerning disease transmission; thus it is often clearer if we use the author's own words. In general, it has been found that few authors make unqualified statements concerning the vectors. Also, as one might expect, most of the statements are based on epidemiological evidence and not on actual transmissions.

c. Order of listing for same species in Table 1

If there is more than one country number for a single entry, the country numbers are arranged in ascending order. For example, on page 2 the 4th entry reads: ". . . 11, 70, 77. . . 342".

When there is more than one entry (that is, citation with Author and Date) under a single species and describer, the entries are listed in ascending order of country numbers, based on the first (lowest) number for each entry. Since all countries mentioned by a single author are listed in that entry, the countries under a given species are not necessarily all in numerical order when there is more than one entry for that species.

INDEX OF COUNTRIES

In 1962 a world-wide Geographic Index was published* listing all countries or major regions in alphabetical order, and assigning a number to each. The following list consolidates the countries of Asia from that Index and makes a few additions to it. The countries, as named at the time of publication of the present report, are shown on the adjacent map. Major islands and important political units having less than country status are also identified on the map and in the following list.

All the numbers of Asian countries, and areas in Europe controlled by the Soviet Union, are listed in order. All entries in this report use these numbers instead of country or regional names. For example, when number 3 is entered, it stands for Afghanistan; 59 stands for Burma. Where the authors have not recorded a specific country, an inclusive title is entered, e.g., 31 for Asia. This is the principal purpose of the Index: to identify the countries represented by numbers under DISTRIBUTION (Table 1) or COUNTRY (Table 2).

The Index also includes at least the major synonyms. The synonymy is preceded by a dash, the numbers appearing with the main entries. For example, the number 150 identifies Iran, but in alphabetical order among the P's is the synonym "- Persia or Iran, 150".

All countries in the 1962 Index are listed and cross-referenced through "332. Yemen" (the last number). The addenda to the original Geographic Index start with number 337. The numerical order is maintained in the addenda, but not the alphabetical order. However, entries from the addenda are cross-referenced alphabetically in the main list. For example, in the main list we have "- Middle East (Inclusive title), 340."

*B. V. Travis, Herbert H. Casewell, Jr., William B. Rowan, Helle Starcke, and Carl W. Ross: Classification and coding system for compilations from the world literature on insects and other arthropods that affect the health and comfort of man, Technical Report ES-4, Quartermaster Research & Engineering Center, Natick, Massachusetts, 1962, 259 pp.

INDEX OF COUNTRIES

2. Aden Protectorate (formerly), now South Arabian Federation
3. Afghanistan
 - Amindivi Islands, indexed with Laccadive Islands, 172
11. Andaman Islands
25. Arabian Peninsula (Inclusive title)
28. Armenian S.S.R.
30. Ashmore Reef
31. Asia (Inclusive title)
 - Asia Minor (Inclusive title), 350
35. Azerbaidzhan S.S.R.
37. Bahrein and Associated Islands
 - Bali, indexed with Indonesia--Java, Flores, Timor, 146
 - Bangka, indexed with Indonesia--Sumatra, 149
 - Batan Islands, indexed with Philippines, 242
46. Bely Island or Ostrov Belyy or White Island
 - Bengal (Inclusive title), 366
47. Bering Sea Islands including Nunivak Island
49. Bhutan
 - Billiton Island or Belitung, indexed with Indonesia--Sumatra, 149
 - Bonin Islands, indexed with Ogasawara Gunto, 232
 - Borneo, Indonesian, indexed with Indonesia--Borneo, Celebes, 145
 - Borneo, North, or Sabah, indexed with Indonesia--Borneo, Celebes, 145
 - Brunei, indexed with Indonesia--Borneo, Celebes, 145
59. Burma
60. Byelorussian S.S.R. or Belorusskaya S.S.R. or White Russian S.S.R.
 - Cambodia, indexed with Indochina, 144
67. Cartier Island
 - Caucasus or Transcaucasia (Inclusive title), 345

INDEX OF COUNTRIES (CONTINUED)

- Celebes, indexed with Indonesia--Borneo, Celebes, 145
- 70. Ceylon
- 72. Chagos Archipelago
- 76. China
- 77. Taiwan or Formosa
- 78. Christmas Island
 - Cocos-Keeling Islands or Cocos Islands, 81
- 81. Cocos Islands or Cocos-Keeling Islands
- 87. Cyprus
- 90. Damao or Daman
 - Delong Islands or Ostrova de-Longa, indexed with New Siberian Islands, 221
- 94. Diu
 - East Indies also called Indonesia (Inclusive title), 337
- 101. Estonia
 - Flores, indexed with Indonesia--Java, Flores, Timor, 146
 - Formosa or Taiwan, 77
- 110. Franz Josef Land
 - French Indochina (formerly), indexed as Indochina, 144
- 118. Georgian S.S.R.
- 122. Goa
- 133. Hainan
- 139. Hong Kong
- 143. India
- 144. Indochina (Inclusive title), formerly French Indochina. Includes Vietnam, Laos, and Cambodia.
 - Indonesia or East Indies (Inclusive title), 337
 - Indonesia, Republic of, 145 (in part), 146 (in part), 147, 149
- 145. Indonesia--Borneo, Celebes
- 146. Indonesia--Java, Flores, Timor
- 147. Indonesia--Moluccas
- 149. Indonesia--Sumatra, includes Ketulauan Riouw Archipelago

INDEX OF COUNTRIES (CONTINUED)

- 150. Iran or Persia
- 151. Iraq or Mesopotamia
- 154. Israel
- 158. Japan
 - Japan Islands, South (Inclusive title), 339
 - Java, indexed with Indonesia--Java, Flores, Timor, 146
- 159. Jordan
- 161. Karelo-Finnish S.S.R.
 - Kashmir (Inclusive title), indexed for coding purposes with Pakistan, 235
- 162. Kazakh S.S.R. or Turkestan
 - Ketulauan Riouw Archipelago, indexed with Indonesia--Sumatra, 149
- 166. Kirghiz S.S.R.
- 167. Kolguyev Island
- 168. Korea
- 169. Kuria Muria Islands
- 170. Kuril Islands
- 171. Kuwait
- 172. Laccadive Islands including Amindivi Island
 - Laos, indexed with Indochina, 144
- 173. Latvia
- 174. Lebanon
- 180. Lithuania
 - Lombok, indexed with Indonesia--Java, Flores, Timor, 146
- 185. Macao
 - Madura Island, indexed with Indonesia--Java, Flores, Timor, 146
- 188. Kara Sea Islands
- 189. South China Sea Islands
- 190. Malaya

INDEX OF COUNTRIES (CONTINUED)

- Malaysia, includes:
 - Malaya, 190
 - Sarawak, indexed with Indonesia--Borneo, Celebes, 145
 - Sabah, indexed with Indonesia--Borneo, Celebes, 145
- 191. Maldives Islands
- 194. Manchuria
 - Mesopotamia or Iraq, 151
 - Middle East (Inclusive title), 340
 - Moluccas, indexed as Indonesia--Moluccas, 147
- 207. Moldavian S.S.R.
- 209. Mongolia or Outer Mongolia
 - Mongolia (Inclusive title), 353
- 210. Mongolia, Inner
 - Muscat and Oman, 233
- 215. Nampo-Shoto Islands
 - Nansei Shoto or Ryukyu-Retto Island, 257
- 218. Nepal
- 221. New Siberian Islands, including Delong Islands or Ostrova de-Longa
- 224. Nicobar Islands
- 229. Novaya Zemlya
 - North Borneo or Sabah, indexed with Indonesia--Borneo, Celebes, 145
 - Nunivak Island, indexed with Bering Sea Islands, 47
- 232. Ogasawara Gunto
- 233. Oman and Muscat
 - Ostrova de-Longa or Delong Islands, indexed with New Siberian Islands, 221
 - Ostrov Belyy or Bely Island or White Island, 46
 - Outer Mongolia or Mongolia, 209
- 235. Pakistan
 - Palestine (formerly), 342, now includes Israel, 154 and Jordan, 159
 - Persia or Iran, 150
- 242. Philippines
 - Portuguese India (formerly) (Inclusive title), 349

INDEX OF COUNTRIES (CONTINUED)

249. Qatar
251. Red Sea Islands
256. Russian Soviet Federated Socialist Republic
257. Ryukyu-Retto Islands or Nansei Shoto
- Sabah also called North Borneo, indexed with Indonesia--Borneo, Celebes, 145
 - Sakhalin, including Karafuto, indexed with Russian S.F.S.R., 256
 - Sarawak, now included in Malaysia, indexed with Indonesia--Borneo, Celebes, 145
270. Saudi Arabia
274. Severnaya Zemlya
276. Shantaraskie Islands
277. Siam (formerly), now called Thailand
280. Singapore
282. Socotra
- South Arabian Federation, formerly Aden Protectorate, 2
 - South China Sea Islands, 189
 - South Japan Islands (Inclusive title), 339
293. Soviet Central Asia (Inclusive title)
294. Soviet Union or U.S.S.R.
- Sumatra, indexed as Indonesia--Sumatra, 149
302. Syria
303. Tadzhik S.S.R.
- Thailand, formerly called Siam, 277
 - Taiwan or Formosa, 77
 - Tibet, indexed with China, 76
 - Timor, indexed with Indonesia--Java, Flores, Timor, 146
 - Transcaspia (Inclusive title), 354
313. Trucial States or Trucial Oman
- Turkestan or Kazakh S.S.R., 162
317. Turkey
318. Turkmen S.S.R.

INDEX OF COUNTRIES (CONTINUED)

321. Ukrainian S.S.R.

- U.S.S.R. or Soviet Union, 294

326. Uzbek S.S.R.

- Vietnam, indexed with Indochina, 144
- Volcano Islands, indexed with Ogasawara Gunto, 232
- White Island or Bely Island or Ostrov Belyy, 46
- White Russian S.S.R., or Byelorussian S.S.R. or Belorysskaya S.S.R., 60

332. Yemen

* * * * *

ADDENDA:

337. East Indies or Indonesia (Inclusive title)

339. South Japan Islands (Inclusive title)

340. Middle East (Inclusive title)

342. Palestine (formerly), now includes Israel, 154 and Jordan, 159

345. Transcaucasia or Caucasus (Inclusive title)

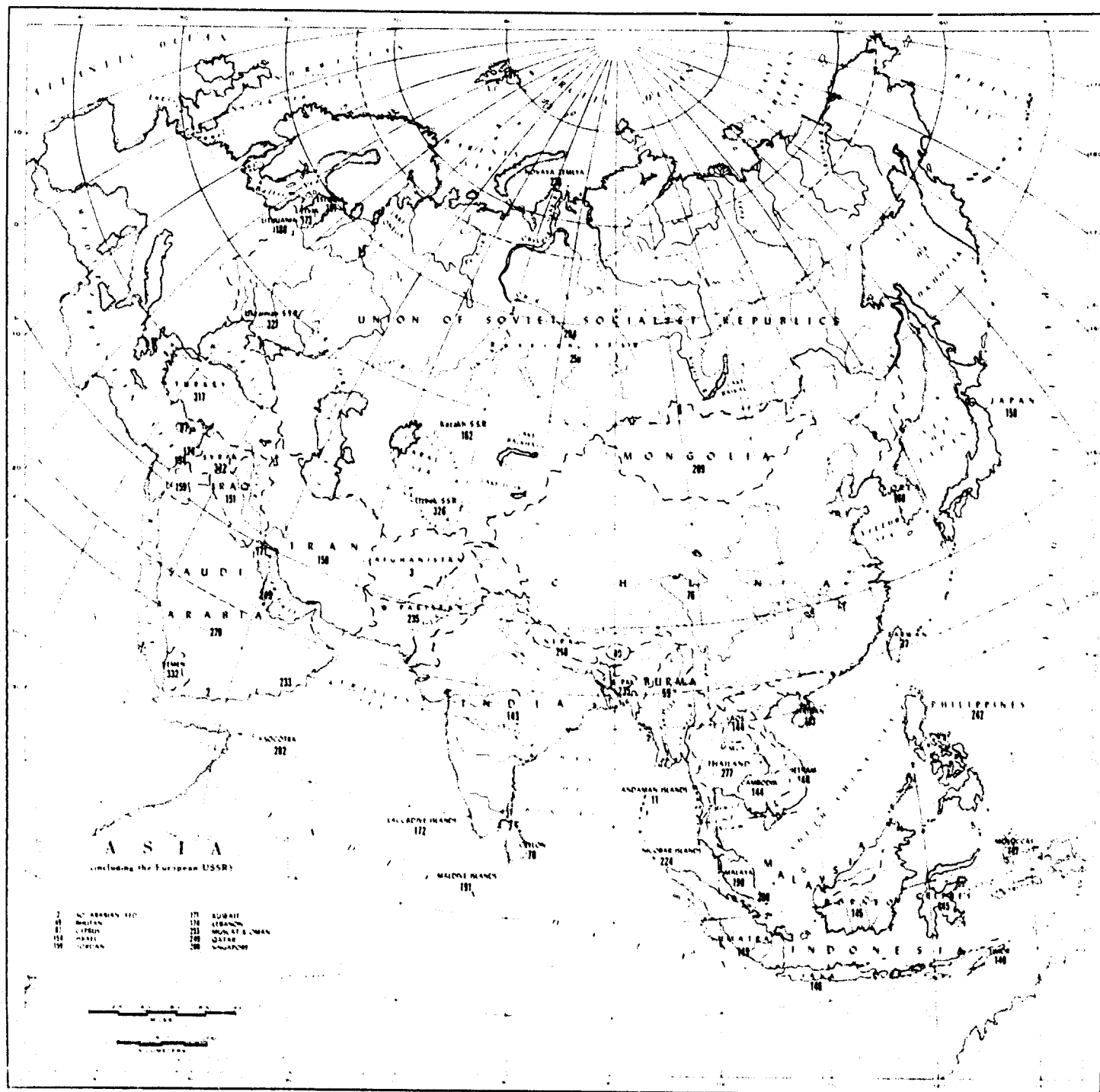
349. Portuguese India (formerly) (Inclusive title)

350. Asia Minor (Inclusive title)

353. Mongolia (Inclusive title)

354. Transcaspia (Inclusive title)

366. Bengal (Inclusive title)



ARTHOPOD DATA

A. MOSQUITOES

The mosquito entries include information on the biology of the larvae and adults in addition to distribution and disease transmission. As might be expected the mosquitoes constitute a large assortment of species in Asia. The extremely diverse ecological conditions provide habitats that are occupied by 1236 species or subspecies. The tabulation will show that some of the species have a large documentation of their biology. Usually such species are of great economic importance because they are important vectors. Some species have almost no information except distributional data. Such species are usually uncommon or else are thought to be of little significance as vectors.

So many mosquitoes will bite man that an effort has been made to make a complete listing of mosquito species and subspecies. The synonymy is a difficult problem in this group; thus, some species and subspecies in the list are not valid names.

TABLE 1 - MOSQUITOES

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>Aedes</i>			
<i>abadsantosii</i> Baisas	Rock holes in stream beds; ---; 242	Knight & Marks	1952
<i>abditus</i> Barraud	---; ---; 143	Barraud	1934
<i>adustus</i> Laffoon	Pool; ---; 242	Knight & Hull	1953
<i>aegypti</i> (Linnaeus)	---; ---; 11, 70, 77, 118, 139, 143, 145, 146, 147, 149, 151, 154, 158, 159, 174, 190, 224, 235, 242, 277, 280, 302, 317, 342 (Vector of yellow fever)	Kumm	1931
	---; ---; 11, 59, 70, 143, 224, 335 (Artificial containers of water near or in houses)	Barraud	1934
	---; ---; 31, 295 (Reservoir, artificial containers, bites man, vector of yellow fever)	Shtakelberg	1937
	---; ---; 59, 76, 136 (Bites man). ---; ---; 190°	Mattingly	1957
	---; ---; 59*. Artificial containers; ---; 144*	Wilcocks	1944
	Tree holes and bamboo stumps; ---; 70	Wijesundara	1942
	Artificial water containers around houses, mosquito nets; day-time feeders and continue to feed until late at night, July and Aug.; 76°	Feng	1933
	Artificial containers, leaf axils; enters houses; 76*, 133. ---; ---; 139*	Hsiao	1945
	Artificial containers; ---; 76	Bohart	1946
	Water with organic matter, rarely leaf axils, leaves, bamboo stumps, tree holes, coconut shells; bites day and night; 77°, 147°, 242°	Farner et al.	1946 +
	Outdoor and indoor artificial containers; April, May, summer season, vector of dengue; 118*. ---; ---; 317	Marzinowsky	1930
	Pools; enters houses; 118	Shakhov	1926 +
	Tree holes, leaf axils of <i>Dioscorea</i> ; ---; 143	Sen	1935 +
	---; experimentally infected with <i>Wuchereria bancrofti</i> ; 143	Raghavan	1961
	---; bites by day; 143°	MacGilchrist	1913 +
	---; experimentally infected with <i>W. bancrofti</i> and <i>W. malayi</i> ; 144	Galliard	1947

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>AEDES aegypti</i> (Linnaeus) (cont.)	---; naturally infected with <i>W. bancrofti</i> ; 144	Manscn- Bahr	1959
	---; ---; 145, 146, 147, 149 (Artificial containers, plant axils, in houses, bites man day and night)	Farner	1943
	Artificial containers; ---; 150, 151, 256	Monchadskii	1936 +
	---; ---; 151°	Fleming & French	1947
	---; transmit dengue fever, Oct.-Dec., peak Nov.; 154*	Kligler	1928a
	Brackish water and fresh water; ---; 159*	Anonymous	1944a
	Water butts, artificial containers, pools; Apr.-Dec., active along coastal areas; 168. Waterbutts, artificial containers, pools; swarms in Aug. afternoons, active in coastal towns and villages; 302	Parr	1943 +
	---; experimentally infected with <i>W. malayi</i> ; 190	Wharton	1957
	---; ---; 232. Artificial containers; vector of dengue; 257*	Hsiao & Bohart	1946
	Drinking water chatties; vicious day biter; 235°	Mhaskar	1913 +
	Collection of clear rain water in leaf axils, bananas and <i>Calocasia</i> ; ---; 242*	Siler et al.	1926
	Sunny or shaded, stained or polluted water, tree holes, artificial containers; ---; 242	Bick	1949
	---; experimental transmission of dengue; 242	Schule	1928
	---; Apr., Aug.; 242 (Bites during day)	Simmons et al.	1930
	---; enters houses; 242°	Knight & Hull	1952
	---; ---; 242*	Feng	1935
	---; Aug.; 256	Breev	1950
	Artificial containers; ---; 257	Bohart & Ingram	1946
	Domestic collection of water; responsible for the spread of dengue; 277	Wilcocks	1944b
	---; enters houses; 277	Barraud & Christophers	1931
	Artificial containers; ---; 280	Colless	1957a

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>AEDES</i>	Fresh and brackish water; ---; 317*	Anonymous	1944
<i>aegypti</i> (Linnaeus) (cont.)	---; ---; 337*	Wilcocks	1944
	Artificial containers; May-Nov.; 345	Zaitzer	1934 +
<i>aegypti</i> <i>luciensis</i> Theobald	---; ---; 70	Carter	1950a
<i>aegypti</i> var. <i>queenslandensis</i> (Theobald)	---; ---; 2	Mattingly & Bruce Chwatt	1954
	Artificial containers; ---; 35	Achundow	1932 +
	---; ---; 143, 146	Mattingly	1957
<i>africanus</i> Theobald	---; naturally infected with Chikungunya virus; 277	McIntosh et al.	1963
<i>agrestis</i> Barraud	---; ---; 143	Barraud	1934
<i>albescens</i> Edwards	---; ---; 256	Martini	1930
<i>alboannulis</i> Ludlow	---; ---; 242	Edwards	1922c
<i>albocinctus</i> Barraud	Tree holes; ---; 76	Chow	1949c
	Tree holes; 3,000-4,000 feet elevation, Aug.; 143	Barraud	1924f
<i>albolateralis</i> (Theobald)	Tree holes, bamboo stumps; ---; 76	Chow	1949c
	---; ---; 77, 168. Tree holes and cut bamboo; ---; 158°	Hsiao & Bohart	1946
	Tree holes; bamboos; 143. ---; ---; 190	Knight & Marks	1952
	---; ---; 143 (Tree holes, bamboo-stumps)	Barraud	1934
	---; ---; 158	Edwards	1922c
	Tree holes and bamboo stumps; adults are daytime biters, <i>Wuchereria bancrofti</i> larvae only undergo partial development; 168°	Hsiao	1948
<i>albolineatus</i> (Theobald)	Tree holes and bamboos; ---; 76	Bohart	1946
	Bamboo stumps; ---; 77	Chow	1950
	Tree holes, leaf axils, coconut husks, artificial containers; ---; 143, 145, 190	Lee	1944

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>AEDES albolineatus</i> (Theobald) (cont.)	Hollow bamboo stalks; ---; 144	Borel	1930a
	---; enters houses, rare; 144°	Galliard	1936a
	---; ---; 146	Brug	1924
	---; ---; 147, 149	Knight & Hull	1952
	Tree holes, bamboo, leaf axils, coconut husks, rarely in artificial containers and rockholes; ---; 242	Bohart	1945
<i>albonivens</i> Barraud	Tree holes, bamboos; ---; 143	Knight & Marks	1952
	Tree holes; ---; 146	Brug	1939 +
<i>albopictus</i> (Skuse)	---; ---; 11, 59, 70 (Tree holes, bamboos, leaf axils)	Barraud	1934
	---; Mar.; 59. ---; Nov.; 70. Standing water near houses; ---; 139. ---; ---; 145, 277. ---; troublesome all year, common in houses; 147. ---; experimental transmission of dengue to man, effective dengue carrier, Feb., Apr.-Sept.; 242. ---; July; 280 (Bites man viciously during day)	Simmons et al.	1930
	Tree holes and bamboo stumps; ---; 70	Wijesundara	1942
	Tree holes and bamboos, artificial containers; carrier of dengue, experimentally trans- mitted Japanese "B" encephalitis; 76	Bohart	1946
	Trenches, near habitations; bites at twilight, rarely after dark; 76°, 139°. Coconut shells, rock holes, ditches; bites man at twilight, rarely after dark; 158°, 242°	Farner et al.	1946
	Stagnant water, rain water in sheds; Aug.-Sept.; 76. Stagnant water in artificial containers; ---; 242*	Tseng & Wu	1951
	Ricefields; all year; 76	Riley	1932
	Household water containers, neglected earthen jars and stone excavation containing rain water and bamboo stumps; ---; 76	Feng	1933b
	Tree holes, artificial containers, rock holes and pools; ---; 76	Chang	1939
	Collections of stagnant water and large pits for faecal matter; ---; 76	Feng	1932
	Leaf bases of <i>Tun-tun</i> and <i>Moo-in-Ka</i> ; ---; 76	Chow	1949c

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>AEDES albopictus</i> (Skuse) (cont.)	Jungle, mountains, lowlands, ponds; ---; 76	Li & Wu	1935a +
	Collected at 2,500 feet elevation; ---; 76	Crook	1939
	---; least abundant, frequents houses, bites man in the daytime; 76°	Meng	1943
	---; ---; 76*. ---; ---; 133, 139 (Artificial containers, natural water, tree holes, bamboo holes, stone cavities)	Hsiao	1945
	---; ---; 76*	Manson-Bahr	1959
	Bamboo stumps, artificial water containers; ---; 77	Chow	1950
	---; experimental transmission of dengue; 77, 158	Barraud	1928a
	---; ---; 118	Roukhadze	1926b
	---; ---; 122, 149, 235. ---; experimental transmission of yellow fever; 146	Kumm	1931
	---; ---; 139°	Jackson	1936
	Tree holes; possible vector of yellow fever; 143	Sen	1926
	Hay of wheat, rice, oats, pulses and potatoes, diluted and allowed to rot; ---; 143	Fletcher	1928
	Bamboo traps; ---; 143	Fletcher	1923
	---; ---; 143. ---; experimentally infected with dengue; 242. Artificial containers in door yards, tree holes in cemeteries, rock holes, bamboos; resting in wooded areas, banana groves, sweet potato patches, biting in shade during day; 257 (Severe pest biting day and night)	Bohart & Ingram	1946
	Artificial containers; active throughout entire year, enters houses; 144	Borel	1926
	---; day and night, abundant in forest, near river; 144°	Borel	1926
	---; experimentally infected with <i>Wuchereria bancrofti</i> and <i>W. malayi</i> ; 144	Galliard	1947
	---; rare; 144	Galliard & Ngu	1950
	Plant axils, artificial containers, rarely in ponds, ditches, puddles; ---; 145*, 146*, 147*, 149*	Farner	1943 +

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>AEDES albopictus</i> (Skuse) (cont.)	---; ---; 145, 366. ---; suspected vector of dengue, bites man during daytime, Feb., Apr.-Aug.; 242°	Simmons et al.	1931
	Sewage and disposal installations; ---; 146, 190	Roy & Brown	1954
	Small fresh water collections around habitations, tree holes, cut bamboo, in cemeteries and other places frequented by human beings; ---; 158*	Hsiao & Bohart	1946
	Coconut from <i>Colocasia antiquorum</i> , bamboo stump, from leaf of <i>Crinum</i> , from rock pool at lake, tree hole, leaf axils of wild <i>Pisang</i> , bamboo hole; ---; 158, 337	Brug	1931
	---; dense woods, suspected vector of dengue fever, May-Oct.; 158°	La Casse & Yamaguti	1950
	Artificial containers, stone and bamboo holes, rain-water pools; ---; 158°	Sasa & Sabin	1950
	---; experimentally infected with Japanese "B" encephalitis; 158	Sabin	1950
	---; July to Aug.; 158	Mitamura et al.	1950
	---; indoors; 158	Mitamura & Kitaoka	1950
	Bamboo stumps, artificial containers, depressions in grave stones, small rock pools; bites man densely shaded woods during day, vector of dengue, filariasis and a possible vector of Japanese "B" encephalitis; 168**°	Barnett & Toshioka	1951
	Palms, artificial containers; in houses; 190	Milne	1933
	---; experimentally infected with <i>W. malayi</i> ; 190	Wharton	1957
	---; ---; 190 (Carrier of dengue)	Gater	1929
	Leafbase of <i>Alocasia indica</i> ; ---; 191	Mattingly	1954 +
	---; enters houses by day; 191	Kalra	1947 +
	Tree holes; artificial containers; 194*	Anonymous	1946
	Stubs and fallen section of bamboos in fermentation stage; abundant in bamboo thickets, bites man during day; 242°	Rozeboom & Cabrera	1964
	All types of artificial containers, small natural containers, tree holes, cut bamboo; near human habitation; 242	Knight & Hull	1952

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>AEDES</i>			
<i>albopictus</i> (Skuse) (cont.)	Artificial containers, coconut shells, tree holes, stained clear, and polluted water; ---; 242	Bick	1949
	Leaf axils, rock pools; ---; 242	Bohart	1945
	---; important vector of dengue fever; 242*	Feng	1935
	Artificial collections of water; enters houses; 277	Barraud & Christophers	1931
	Natural water collections, jungle, tree holes, rock holes, split and cut bamboo; ---; 277	Causey	1937
	Artificial containers, tree holes, coconut shells, bamboo stumps, pitcher plants, fallen leaves; ---; 280	Colless	1957 a
<i>alboscuteUellatus</i> (Theobald)	---; ---; 59, 242, 277 (Jungle pools)	Barraud	1934
	---; ---; 70	Carter	1950 a
	---; ---; 143, 146, 147, 149. Jungle pools; ---; 190. Clear stagnant water in road ruts, shaded permanent ditch, jungle pools; bite man in densely shaded woods; 242°	Knight & Hull	1953
	---; ---; 145, 158	Edwards	1922 c
	Ground pools; ---; 158°. ---; ---; 337	Hsiao & Bohart	1946
	---; July; 242	Dyar & Shannon	1925
<i>albotaeniatus</i> (Leicester)	---; ---; 70, 190	Stone et al.	1959
	Jungle pools; Aug., Dec., Jan.; 143	Barraud	1928
	Bamboo stump; ---; 143, 149, 190	Brug	1931
<i>albotaeniatus</i> var. <i>mikiranus</i> Edwards	Bamboo stumps; ---; 76	Chow	1949 c
	Bamboos; ---; 143	Barraud	1934
<i>alektorovi</i> Stakelberg	Tree holes, artificial containers; ---; 256	Pavlovskii	1947 +
<i>alongi</i> Galliard & Ngu	---; ---; 144	Stone et al.	1959
<i>alpinus</i> (Linnaeus)	---; Apr.-Sept.; 256	Pletnjow	1928
	---; ---; 256°	Kiseleva	1936
<i>amesii</i> (Ludlow)	---; ---; 77	Edwards	1921 a
	---; ---; 143, 144, 145, 190, 242	Edwards	1922 c

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>AEDES</i>	---; numerous in the swampy region; 149	Dammerman	1926
<i>amesii</i> (Ludlow) (cont.)	Axils and stumps of nipa palms, in and along mangrove areas, tree holes, coconut shells, axil of atap palm; in or at the margins of mangrove areas, vegetations, entrances of crab holes, from around humans; 242. ---; ---; 277	Knight & Hull	1952
	Holes and fallen trees in mangrove swamps; ---; 280	Edwards	1926 +
<i>ananae</i> Knight & Laffoon	Leaf axils of banana, pineapple, <i>Pandanus</i> , abaca; ---; 242	Knight & Marks	1952
	---; ---; 242	Bick	1949
<i>andamanensis</i> Edwards	---; ---; 11, 235	Barraud	1928a
	---; Oct.; 143	Senior-White	1934
	Shady wet ruts in forest paths with little vegetation; ---; 144	Borel	1930a
	---; ---; 146, 149, 190	Brug & Edwards	1931
	---; ---; 242	Barraud	1934
	---; ---; 280	Edwards	1928a
<i>annandalei</i> (Theobald)	---; ---; 11, 76, 143, 144 (Diurnal). ---; ---; 149 (Bamboo stumps, diurnal)	Hsiao	1945
	---; ---; 11, 143, 190 (Tree holes, bamboos)	Lee	1944
	Tree holes, bamboo stumps; bites man in daytime; 76°	Chow	1949c
	Bamboo stump at 1900 feet altitude; ---; 76	Feng	1933b
	Bamboo stump near foothills; ---; 76	Chang	1939
	Collected at 2,500 feet elevation: ---; 76	Crook	1939
	---; jungle; 76	Li & Wu	1935b +
	Bamboo stumps; ---; 77	Chow	1950
	Bamboo stumps, bamboo cut; ---; 143	Brug	1931a
<i>annandalei</i> var. <i>quadricinctus</i> Barraud	---; ---; 143	Barraud	1934
<i>annulifera</i> Theobald	---; ---; 145	Brug	1925 +

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>Aedes</i>	Shaded reservoirs; ---; 256	Monchadskii	1936 +
<i>annulipes</i>	---	Pletnjow	1928
Meigen	---; July-Sept.; 256	Shtakelberg	1937
	---; ---; 256 (Reservoirs, forest and thick bushes)	Barraud	1934
<i>annulirostris</i>	---; ---; 70, 143 (Tree holes, water butts)	Barraud	1934
(Theobald)			
<i>annulitarsis</i>	---; ---; 77, 144, 149, 190, 277. Bamboo stumps;	Barraud	1934
Leicester	---; 143		
<i>arabiensis</i>	---; ---; 2. Temporary waters; ---; 25	Edwards	1941
(Patton)			
<i>aranetanus</i>	<i>Colocasia</i> axils, banana leaves; ---; 145	Marks	1948 +
(Banks)	Axils of banana leaves; ---; 242	Stone & Bohart	1944
<i>arboricolus</i>	---; ---; 242	Stone et al.	1959
Knight & Rozeboom			
<i>argenteomaculatus</i>	---; ---; 11, 143	Edwards	1922c
Theobald			
<i>argenteoscutellatus</i>	---; ---; 70	Carter	1950a
Carter & Wijesundara			
<i>argenteus</i>	---; Apr.-Sept.; 2*	Dive	1927 +
Poiret	---; ---; 77	Edwards	1921a
	Artificial containers; ---; 118	Roukhadze	1929
	---; ---; 139	Severn	1926 +
	Artificial containers, found in houses throughout entire year; ---; 144°	Borel	1926
	---; rare; 144	Galliard	1936a
	---; ---; 146, 149, 190	Brug & Edwards	1931
	---; ---; 150, 151, 158	Edwards	1921 +
	---; ---; 154	Kligler	1928a +
	---; ---; 174	Legendre	1922 +
	---; ---; 242	Edwards	1929
	Artificial containers; ---; 302	Legendre	1924 +
	---; Jan.-Nov.; 317	Hakki	1927 +

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>AEDES</i>			
<i>asanumai</i> Sasa, Kono & Takahasi	---; ---; 158	Sasa, Kono & Takahasi	1950a
<i>assamensis</i> (Theobald)	Tree holes, bamboo stumps; ---; 76	Chow	1949
	Tree holes; July-Sept.; 143, 235	Barraud	1923a
	---; common; 143, 235 (Tree holes). ---; ---; 146 (Tree holes)	Barraud	1934
	Tree holes; ---; 144	Borel	1930a
	---; ---; 277	Causey	1937
<i>atrius</i> Barraud	---; ---; 143	Barraud	1928a
<i>aurantius</i> (Theobald)	Pig wallows, clear water marsh pools, grassy swampy pools; ---; 145, 190	Lee	1944
	---; ---; 149	Brug & Edwards	1931
<i>aurantius</i> <i>quadripunctis</i> (Ludlow)	---; ---; 242	Stone et al.	1959
<i>aureostriatus</i> (Doleschall)	Tree holes, bamboo stumps; ---; 143, 149	Lee	1944
	Tree holes; ---; 147. ---; ---; 145, 146	Knight & Marks	1952
	Tree holes; ---; 242	Knight & Hull	1951
<i>aureostriatus</i> var. <i>greeni</i> (Theobald)	Tree holes, bamboo stumps; ---; 70	Wijesundara	1942
	---; ---; 143, 146, 149	Knight & Marks	1952
<i>aureostriatus</i> var. <i>kanaranus</i> (Barraud)	Tree holes and bamboo stumps; ---; 70	Wijesundara	1942
	Tree holes and bamboos; ---; 143	Knight & Marks	1952
<i>aureus</i> Gutzevich	---; ---; 256	Stone et al.	1959
<i>aurimargo</i> Edwards	---; ---; 147	Edwards	1924 +
<i>auronitens</i> Edwards	Tree holes; Aug.-Sept.; 143	Barraud	1924a

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>Aedes</i>	---; collected at a high altitude on a rainy day; 242°	Bohart	1945
<i>aurotaeniatus</i>			
Edwards	---; ---; 242	Edwards	1929
<i>avistylus</i>	Axils of <i>Colocasia</i> , bamboo; ---; 145, 147, 190	Knight & Marks	1952
Brug.			
	Leaf axils and bamboo stumps; ---; 145	Stone & Bohart	1944
<i>baisasi</i>	---; ---; 242	Stone et al.	1959
Knight & Hull			
<i>bambusicolus</i>	---; ---; 242	Stone et al.	1959
Knight & Rozeboom			
<i>banksi</i>	Rock holes in stream beds; ---; 242	Knight & Marks	1952
Edwards			
	---; ---; 242	Edwards	1922b
<i>behningi</i>	Steppe ponds; June; 256°, 321°	Martini	1930
Martini			
	---; ---; 256, 321 (In deep water)	Shtakelberg	1937
	---; June-August; 321	Rybiasky	1933
<i>beklemishev</i>	---; ---; 256	Stone et al.	1959
Denisova			
<i>berlandi</i>	---; ---; 317	Stone et al.	1959
Seguy			
<i>boharti</i>	---; ---; 242	Bicks	1949
Knight & Rozeboom			
<i>brayi</i>	---; ---; 242	Stone et al.	1959
Knight			
<i>bunanoki</i>	Tree holes at the root or trunk of beech; June-Oct., in beech forest, elevation 450-750 meters; 158°	Sasa & Ishimura	1951
Sasa & Ishimura			
<i>burgosi</i>	Rock holes in stream beds; ---; 242	Knight & Marks	1952
Baisas			
<i>butleri</i>	---; in forest; 11° (Brackish pools in mangrove swamps). ---; ---; 143, 144, 190 (Brackish pools in mangrove swamps)	Barraud	1934
Theobald			
	---; ---; 70	Carter	1950a

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>Aedes</i>	---; ---; 145, 146	Stone et al.	1959
<i>butleri</i>	---		
Theobald	---; ---; 147	Edwards	1924 +
(cont.)	---; numerous in the swampy region; 149	Dammerman	1926
	---; grassy fields; 242	Banks	1919 +
	Shady, brackish pools with thick vegetation; Apr.- June, Oct.; 277	Causey	1937
	Brackish pools of the tidal zone, grassy margins of running streams; ---; 280	Colless	1957a
<i>caballus</i>	---; ---; 2, 150	Stone et al.	1959
(Theobald)			
<i>cacharanus</i>	Tree holes; July; 143	Barraud	1923b
(Barraud)			
<i>caecus</i>	---; ---; 59, 143, 144, 235 (Natural pools in open jungle)	Barraud	1934
(Theobald)	Ground pools; ---; 76	Chow	1949c
	---; ---; 143, 190 (Puddles, wheel-ruts, pools in open jungle)	Lee	1944
	From a whirlpool in an inlet; ---; 146, 149, 190	Brug	1931a
	Cart-ruts; ---; 146	Brug	1924
	---; ---; 242	Edwards	1929
	Buffalo wallow; ---; 277	Causey	1937
<i>calopus</i>	---; active April-October; 118	Roukhadze	1926b
Meigen	---; ---; 151, 302	Hsiao	1946
<i>campylostylus</i>	---; ---; 242	Bick	1949
Laffoon			
<i>cancricomes</i>	Crab holes; ---; 11	Edwards	1922b
Edwards	---; ---; 145	Brug	1925 +
	---; ---; 146, 149	Brug & Edwards	1931
<i>cantans</i>	---; ---; 76	Stone et al.	1959
Meigen	---; ---; 256 (Forest grounds in snow-melt water, algae water, Spring-Aug., bites during the day)	Martini	1930
	---; ---; 321	Dubovskii	1930

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>Aedes caspius</i> Pallas	---; ---; 28°, 31, 35, 118, 256, 318, 321, 326 (In reservoirs, puddles, meadows and steppe)	Shtakelberg	1937
	---; enters houses; 35	Gutzevich & Gurow	1932 +
	---; ---; 70, 143	Barraud	1928
	Swamps, marshes, bottoms of freshly dried pools; June-July; 150°	Gutzevich	1943
	Salt swamps; ---; 150	Gutzevich	1948 +
	---; ---; 151, 235 (Open natural pools, fresh and brackish)	Barraud	1934
	Shaded reservoirs; ---; 162, 256	Monchadskii	1936 +
	---; ---; 207	Lepsi	1935 +
	Puddles, pits or swampy fields; grassy areas, experimentally infected and transmission of encephalomyelitis; 256	Pavlovskii	1947 +
	---; in steppes, semi-desert and desert areas; 303°	Bregetova	1946
	Turbid yellow, neutral water, rain pools, in meadows; ---; 317	Bedia Bali	1938
	Filthy brackish pools; ---; 317	Auster	1925
	Brackish wells; ---; 318	Petrishcheva	1936 +
	---; ---; 321°	Reinhard & Gutzevich	1931
	Ponds; ---; 326	Kazantza	1932 +
	---; ---; 326°	Tshimaev	1945 +
<i>caspius dorsalis</i> Meigen	Hoof prints near marshy area; ---; 342	Buxton	1922
	---; ---; 342	Anonymous	1944c
<i>cataphylla</i> Dyar	---; ---; 35, 76, 118, 209, 256, 321 (In temporary reservoirs, ponds, meadows)	Shtakelberg	1937
	Small reservoirs; ---; 76, 256, 353	Monchadskii	1936 +
	---; ---; 76	Stone	1961
<i>cataphylla</i> var. <i>rostochiensis</i> Martini	---; ---; 118, 256, 321 (Reservoirs, edge of forest, bushes, sedge marshes)	Shtakelberg	1937
	Fields, ditches; ---; 256, 321	Monchadskii	1936 +
	---; May-Sept.; 256	Pletnjow	1928

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>AEDES</i>			
<i>cautus</i> Barraud	Jungle ground pools; ---; 143	Barraud	1934
<i>ceramensis</i> Brug	---; ---; 147	Stone et al.	1959
<i>ceylonicus</i> Edwards	---; ---; 70	Senior-White	1927
<i>chemulpoensis</i> Yamada	Treeholes and bamboos; ---; 76, 153	Bohart	1946
	---; July, Aug., experimentally infected with Japanese "B" Encephalitis; 76	Chao & Chung	1951 +
	---; ---; 76, 158 (Vigorous daytime feeders)	Hsiao	1945
	---; naturally infected with <i>Wuchereria bancrofti</i> ; 158*	Manson-Bahr	1959
	Bamboo stumps, tree holes; day biter; 168°	Barnett & Toshioka	1951
	---; ---; 168, 194	Mattingly	1957
	Tree holes; attack man during day, <i>W. bancrofti</i> partially developed; 194°	Hsiao	1946
<i>christianus</i> Dyar	---; ---; 76	Stone et al.	1959
<i>christophersi</i> Edwards	Tree holes; Aug.-Sept.; 143. ---; 7000 feet; 235	Barraud	1924a
<i>chrysolineatus</i> (Theobald)	Tree holes, rock holes in stream beds, bamboos, <i>Colocasia</i> and occasionally artificial containers; 70. ---; ---; 146, 149	Knight & Marks	1952
	---; ---; 70, 143, 144, 190, 337 (Tree holes, bamboos, rock pools, also roof gutter and broken chatti)	Barraud	1934
	---; ---; 143°	Senior-White	1922 +
	---; naturally infected with <i>Wuchereria malayi</i> ; 190	Raghavan	1961
	Rock holes in a mountain stream; April; 277	Causey	1937
<i>cinereus</i> Meigen	---; ---; 118, 162, 256 (In puddles, bushes, leaves of bushes and grasses, bites man)	Shtakelberg	1937
	---; ---; 158	Sasa et al.	1950a
	Clean and dirty puddles, artificial water containers; May-Aug.; 256	Pletnjow	1928
	Swamps, borrow pits, streams; ---; 256	Gutzovich	1937
	Puddles, polluted lakes with dense vegetation; ---; 256*	Anonymous	1945a

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>Aedes</i>	---; ---; 317	Anonymous	1944
<i>cinereus</i>	---		
Meigen	---; ---; 318	Gutzevich	1948 +
(cont.)	---		
	---; ---; 321°	Rybinsky	1933
	---; ---; 345	Mess	1940
<i>clavatus</i>	---; ---; 143	Barraud	1934
Barraud			
<i>clavirostris</i>	---; ---; 242	Stone & Bohart	1944
Stone & Bohart			
<i>coecus</i>	Muddy roadside, mud puddles without vegetation; ---; 144	Sorel	1930a
Theobald			
<i>cogilli</i>	Tree holes, bamboo stumps; Aug.-Sept.; 143	Barraud	1923b
Edwards			
<i>comatus</i>	---; ---; 143	Barraud	1934
Barraud			
<i>communis</i>	---; ---; 76	Stone	1961
(De Geer)	Reservoirs; ---; 256	Monchadskii	1936 +
	---; Apr.-Sept.; 256	Pletnjow	1928
	---; ---; 256, 321 (Reservoirs with vegetation, woods and taiga, vector of malaria)	Shtakelberg	1937
	---; Aug.; 294	Breev	1950
	---; ---; 302	Stone et al.	1959
	---; most active May-September; 321	Rybinsky	1933
	---; ---; 321°	Reinhard & Gutzevich	1931
<i>craggi</i>	---; ---; 143	Barraud	1934
Barraud			
<i>creticus</i>	---; ---; 118 (Reservoirs, treeholes)	Shtakelberg	1937
Edwards			
<i>cretinus</i>	---; ---; 118	Stone et al.	1959
Edwards	---; ---; 139, 345	Martini	1930
	Tree holes; ---; 256	Monchadskii	1936 +
<i>croceus</i>	Axils of banana and taro; ---; 242	Knight & Marks	1952
Knight & Laffon			

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>Aedes</i>	---; July-Sept.; 143, 235	Barraud	1928 +
<i>culicinus</i>			
Edwards	---; Sept.; 143	Edwards	1922b
	Small, sunny, grassless pools; around country settlements; 144	Borel	1926b
	In pools near forest; ---; 144	Borel	1926
<i>curtipes</i>	---; ---; 145, 190	Edwards	1922
Edwards	---; ---; 149	Brug & Edwards	1931
	Mangrove pot holes; near mangrove swamp, rest in openings of crab holes; 242	Knight & Hull	1953
	Mangrove pot holes; ---; 280	Edwards & Given	1928
	Crab holes; ---; 280	Colless	1952a
<i>cyprius</i>	---; ---; 76	Stone	1961
Ludlow	---; July, August; 256	Ludlow	1919
	---; ---; 256, 321 (Parks and meadows with thick vegetation)	Shtakelberg	1937
<i>cyrtolabis</i>	Mangrove area; ---; 190, 280	Edwards & Given	1928
Edwards			
<i>deccanus</i>	Tree holes; July-Aug.; 143	Barraud	1923b
(Barraud)			
<i>dermajoensis</i>	In pool in virgin forest; ---; 149	Brug	1931c
Brug			
<i>derooki</i>	Rock pools in stream beds; ---; 147	Knight & Marks	1952
Brug			
<i>desmotes</i>	---; ---; 143, 144, 145, 190 (Bamboos)	Barraud	1934
(Giles)	Bamboo stumps; hover about humans; 242	Knight & Hull	1952
	---; ---; 277	Bohart	1945
<i>detritus</i>	---; July; 256	Pletnjow	1928
(Haliday)	---; ---; 256, 303, 318, 321, 326, 342 (In reservoirs with salt water)	Shtakelberg	1937
	---; ---; 317	Austen	1925
	Saline ground water; ---; 326	Kazantzer	1932 +
	Stagnant reservoirs with vegetation; ---; 342	Monchadskii	1936 +

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>Aedes</i>	Reservoirs; ---; 256	Monchadskii	1936 +
<i>diantaeus</i>			
Howard, Dyar & Knob	---; July-Aug.; 256	Pletnjow	1928
	---; ---; 256, 321 (Forest glade, spring puddles)	Shtakelberg	1937
	Temporary pools of melted snow water; ---; 321°	Shlyapina	1933 +
	---; June-August; 321	Rybinsky	1933
<i>dissimilis</i> (Leicester)	Tree holes; ---; 76	Chow	1949c
	Tree holes; Aug.-Oct.; 143. ---; Sept.; 235	Barraud	1924a
	Tree holes; ---; 190	Knight & Marks	1952
<i>dissimilis</i> var. <i>kardani</i> (Barraud)	Tree holes; ---; 143	Knight & Marks	1952
<i>diversus</i> Theobald	--; ---; 317. Bushes and open meadowlands; ---; 350	Martini	1930
<i>dorsalis</i> (Meigen)	---; ---; 31	Wu	1940
	---; ---; 35	Gutzevich & Gurow	1932 +
	Swamps, semipermanent ground pools, brackish pools; ---; 76	Bohart	1946
	---; ---; 76, 194 (Natural pools and marshes, anthropophilic and diurnal)	Hsiao	1945
	Desert pools, artificial containers; ---; 151	Barraud	1920 +
	Fresh water ground pool, ditches, coastal marsh- lands, irrigation ditches, rice paddies; ---; 158	La Casse & Yamaguti	1950
	Ground pools and marshes; ---; 158°	Hsiao & Bohart	1946
	Swamps; ---; 162	Pokrovskaya et al.	1927
	Fresh water ground pools, irrigation ditches, coastal marshlands, rice paddies; attacks man during day; 168°	Barnett & Toshioka	1951
	Ground pools and marshes; very anthropophilic and bite during the day, rare; 168°	Hsiao	1948
	Natural pools and marshes; ---; 194	Hsiao	1946

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>AEDES dorsalis</i> (Meigen) (cont.)	---; daytime blood-sucker; 194°	Chin	1936
	Swamps and street gutters; bites man in daytime; 207°	Lepsi	1935 +
	Horse foot prints; ---; 256	Shchel-kanovtzev	1928 +
	---; Jan. and Aug.; 256	Pletnjow	1928
	Temporary pools of melted snow water; ---; 321	Shlyapina	1933 +
	---; ---; 321°	Rybinsky	1933
	---; ---; 345	Mess	1940
	---; ---; 353	Marshall	1938 +
<i>downsi</i> Bohart & Ingram	Taro axils, cut bamboo, treeholes, rock holes, banana axils, Sept.; bites in woods during day; 257°	Bohart & Ingram	1946
<i>duplex</i> Martini	---; ---; 256, 317	Stone et al.	1959
	---; May-September; 321	Rybinsky	1933
<i>dux</i> Dyar & Shannon	---; ---; 11, 146, 190, 242	Bohart	1945
	---; ---; 144	Stone et al.	1959
	Fresh and brackish water; common; 277	Causey	1937
	---; ---; 280	Edwards	1932 +
<i>echinus</i> (Edwards)	---; ---; 31 (Reservoirs, tree hollows)	Shtakelberg	1937
	Water pools with vegetation, tree holes; ---; 317	Martini	1930
<i>edwardsi</i> Barraud	---; ---; 11, 144	Barraud	1934
	Excavation in rocks at the bed of a hill stream at 1000 to 2500 feet altitude; ---; 76	Feng	1933 b
<i>elsiae</i> Barraud	---; ---; 59. Rock pools, streambed pools; ---; 76, 144	Bohart	1946
	Bamboo stumps at 2500 feet elevation; ---; 76	Crook	1959
	---; June-Aug.; 76	Wu	1936
	Tree holes; ---; 143	Knight & Marks	1952
	Rock pools; June, Aug.; 143	Barraud	1924a
	Rock pools; ---; 144	Borel	1930a

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>Aedes</i> <i>esoensis</i> Yamada	Marshes, ground pools; ---; 158	La Casse & Yamaguti	1950
	Artificial containers, hilly marshes, pools, ditches and holes with aquatic vegetation; ---; 256	Hsiao & Bohart	1946
	Small shallow pools; May-Sept.; 256°	Petrichcheva	1948
<i>esoensis</i> var. <i>flavus</i> Yamada	---; ---; 158	Hsiao & Bohart	1946
<i>eucleptes</i> Dyar	Wells, stone holes; ---; 76	Riley	1932a
<i>exerucians</i> (Walker)	---; ---; 158	La Casse & Yamaguti	1950
	River edges, ponds, slightly salty waters with <i>Aster marinus</i> ; ---; 256. ---; ---; 317	Martini	1930
	Reservoirs with vegetation; ---; 256, 321, 350	Monchadskii	1936 +
	---; experimentally infected with spring-summer encephalitis; 256	Levkovich & Gutzevich	1941 +
	---; June-Aug.; 256	Pletnjow	1928
	---; Apr.-May; 256	Martini	1925
	---; ---; 256, 321 (Reservoirs with vegetation, steppe or taiga, forest, bites man)	Shtakelberg	1937
	---; ---; 321°	Reinhard & Gutzevich	1931
<i>fasciatus</i> Fabricius	---; ---; 31, 158, 256, 337, 350. ---; enters houses, March; 317 (Tree holes, in garden near residences, water edges, rivers and ponds, artificial containers, flower vases in houses and cemeteries, in houses, bites man, vector of yellow fever)	Martini	1930
	---; carrier of filaria and yellow fever; 77, 158	Faust	1926
	Cisterns; ---; 302	Legendre	1924
	---; ---; 342	Séguy	1924
<i>feegradei</i> Barraud	Tree holes; ---; 59	Barraud	1934
	---; ---; 257	Stone et al.	1959

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>Aedes</i>			
<i>fengi</i> Edwards	Tree holes, bamboos; ---; 76	Bohart	1946
<i>ferinus</i> Knight	---; ---; 242	Bick	1949
<i>fisheri</i> Barraud	Jungle pool and small grassy pool; June and August; 143	Barraud	1928
<i>flavescens</i> (Muller)	---; ---; 118, 162, 166, 256, 321 (Reservoirs, ponds with vegetation, dense grass or bush, bites man)	Shtakelberg	1937
<i>flavipennis</i> (Giles)	---; ---; 190	Edwards	1928
	Axils of taro, banana abaca and <i>Pandanus</i> ; ---; 242	Knight & Marks	1952
	---; near banana trees; 242	Stone & Bohart	1944
	Banana stumps; ---; 280	Knight et al.	1944 +
<i>flavopictus</i> Yamada	Tree holes; ---; 143. ---; ---; 168	Barraud	1931
	Water holes, bamboo stumps, artificial containers; bamboo groves, day biter; 158°	La Casse & Yamaguti	1950
	Tree holes and rock holes, leaf axils, cut bamboo; ---; 158, 257°	Hsiao & Bohart	1946
	Bamboo stumps, artificial containers; bites during day; 168°	Barnett & Toshioka	1951
	---; ---; 293	Anonymous	1944
<i>formosensis</i> Yamada	Bamboo stumps; ---; 76, 77	Chow	1949c
	<i>Colocasia</i> ; ---; 77, 149	Brug	1931a
	---; ---; 143 (Leaf axils of <i>Colocasia</i> and other plants, bamboo stumps)	Barraud	1934
	---; ---; 146	Knight & Marks	1952
<i>fragilis</i> (Leicester)	---; ---; 190	Edwards	1928
<i>freyi</i> Edwards	---; ---; 256	Martini	1930
	---; May-June; 321	Rybinsky	1933

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>AEDES</i> <i>funidus</i> Edwards	---; ---; 145, 190. Treeholes, nipa axils and stumps, bamboo stumps and artificial containers; vegetation near river; 242	Knight & Hull	1952
	Artificial containers, tree holes, coconut shells and bamboo stumps; ---; 280	Colless	1957a
<i>funereus</i> (Theobald)	Fresh water swamps; ---; 147	Lee	1944
<i>funereus</i> <i>ornatus</i> (Theobald)	Grassy pools; ---; 147	Lee	1944
<i>furvus</i> Edwards	Brackish water in tree hole near shore; ---; 145	Brug	1939
	Leaf bases of palms; ---; 190	Edwards	1932 +
	Nipa palm, swamps; ---; 277	Causey	1937
	Leaf bases of palms; ---; 280	Edwards	1928a
<i>galloisi</i> Yamada	---; bite man under experimental conditions; 158	Hsiao & Bohart	1946
	---; ---; 158, 256 (Reservoirs, tree hollows)	Shtakelberg	1937
	Tree holes, artificial containers; ---; 256	Pavlovskii	1947 +
<i>gardnerii</i> (Ludlow)	Tree holes and bamboo stumps; ---; 145	Brug	1939
	---; ---; 146	Bohart	1945
	Bamboos, hollow palm stumps; rest in woods and nipa palm areas; 242	Knight & Hull	1952
<i>geniculatus</i> Oliver	---; ---; 28, 118, 162, 256, 321 (Reservoirs, tree hollows, puddles, bites man)	Shtakelberg	1937
	Tree holes; ---; 35	Veisig	1935
	Tree holes with decomposed vegetation; ---; 118	Kaladadze & Tairova	1939
	Tree holes; ---; 150	Gutzevich	1948 +
	Tree holes, pools, ditches; ---; 256, 318, 350	Monchadskii	1936 +
	---; ---; 317	Edwards	1921 +
	---; rare; 321	Rybinsky	1933
	---; ---; 321°	Reinhard & Gutzevich	1931
	Tree holes; ---; 345°	Pavlovskii & Mess	1931

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>Aedes gilli</i> Barraud	Tree holes; at 7000-8000 feet elevation, Aug.-Sept.; 143	Barraud	1924f
<i>grahami</i> Ludlow	---; July, August; 256	Ludlow	1919
<i>grandilarva</i> Sazanov	---; ---; 256	Stone et al.	1959
<i>greeni</i> (Theobald)	Bamboo stumps at lake; ---; 70, 143, 146, 149	Brug	1931a
	---; ---; 70, 146, 149 (Tree holes)	Barraud	1934
	Tree holes; ---; 143	Barraud	1923b
	---; ---; 147	Edwards	1934a
<i>greeni</i> var. <i>kanaranus</i> (Barraud)	---; ---; 70. ---; July-Oct.; 143	Barraud	1924a
<i>gubernatoris</i> (Giles)	Tree holes, bamboo stumps; ---; 70	Wijesundara	1942
	Rock pools; ---; 70	Senior-White	1920 +
	Artificial container in and around the houses, tree holes and all types of holes containing clear or dirty water; ---; 143°	Afridi	1939
	---; ---; 143, 144	Edwards	1922c
<i>gubernatoris</i> var. <i>kotiensis</i> Barraud	Tree holes; ---; 143	Knight & Marks	1952
<i>hamistylus</i> Laffoon	---; ---; 242	Knight & Hull	1953
<i>harperi</i> Knight	Bamboos; ---; 242	Knight & Marks	1952
<i>harveyi</i> (Barraud)	---; ---; 70. Cisterns; ---; 143	Knight & Marks	1952
	Tree holes and bamboo stumps; ---; 76	Chow	1949
	Contaminated well, leaf axils, rock pools in stream bed; ---; 143, 146, 149	Brug	1931a
	Tree holes; Aug.-Oct.; 143	Barraud	1924a
	Tree holes; ---; 146	Barraud	1934
<i>harveyi</i> var. <i>nigrorhynchus</i> Brug	Tree hole; ---; 146	Brug	1931a

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>Aedes</i>	---; May, Aug.; 76	Wu	1936
<i>hatorii</i>	---		
Yamada	---; ---; 77	Bohart	1946
	Cool, clear water in rock pools of stream bed, rice paddies; ---; 158	La Casse & Yamaguti	1950
	---; ---; 158°	Hsiao & Bohart	1946
	Rock pools; bites man during day; 168°	Barnett & Toshioka	1951
<i>hebrideus</i>	---; ---; 147, 242	Stone & Farner	1945
Edwards			
<i>hegneri</i>	Rock pools; ---; 277	Knight & Marks	1952
Causey			
<i>hirsutipleura</i>	---; ---; 143	Farraud	1928a
Barraud	---; ---; 149	Brug & Edwards	1931
<i>hirsutus</i>	---; ---; 242	Bezzi	1913 +
(Theobald)			
<i>hirsutus</i>	---; ---; 2	Edwards	1941
<i>adenensis</i>			
Edwards			
<i>hoogstraali</i>	---; ---; 242	Stone et al.	1959
Knight & Rozeboom			
<i>horishensis</i>	---; ---; 77	Edwards	1922c
Yamada			
<i>ibis</i>	---; in jungle; 143	Barraud	1931a
Barraud			
<i>idjenensis</i>	---; ---; 146	Stone et al.	1959
Brug	---; ---; 190	Knight & Marks	1952
<i>imitator</i>	---; ---; 190, 280	Edwards	1928
Leicester			
<i>imprimens</i>	---; ---; 31, 145	Edwards	1922c
(Walker)	---; Jul.-Sept.; 143. ---; ---; 235	Barraud	1928
	Salty lagoons; attacks during daytime; 144°	Borel	1926
	---; ---; 146, 149	Brug & Edwards	1931

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>AEDES</i>			
<i>imprimens</i> (Walker) (cont.)	---; ---; 147, 190, 277 (Bite viciously in shade during the day). Buffalo wallows; ---; 277	Bohart	1945
	---; bites readily in deep shade; 158°	Hsiao & Bohart	1946
	---; ---; 158. Shaded temporary puddles; ---; 242. Buffalo wallow; ---; 277	Knight & Hull	1953 +
<i>incertus</i> Edwards	---; ---; 145, 190	Edwards	1922 c
<i>indecorabilis</i> (Leicester)	---; ---; 190	Stone et al.	1959
<i>indicus</i> (Theobald)	---; ---; 70	Carter	1950 a
	Open pools, rain filled ditches; ---; 143	Barraud	1934
	---; ---; 235	Barraud	1928 a
	---; ---; 242	Bezzi	1913 +
<i>indosinensis</i> Borel	Hollow bamboo stalks; ---; 144	Borel	1930 a
<i>inquinatus</i> Edwards	Tree holes; Aug.; 143	Barraud	1923 b
<i>intrudens</i> Dyar	Pond in forest; May; 256	Martini	1930
	---; ---; 256, 321 (In reservoirs)	Shtakelberg	1937
<i>irritans</i> Theobald	---; ---; 70	Senior-White	1927 +
<i>iyengari</i> Edwards	---; ---; 59, 143, 146 (Bamboo stumps)	Barraud	1934
	Plains; Sept. and Feb.; 143	Senior-White	1934
	Bamboo stumps; ---; 146	Brug	1932 +
<i>jamesi</i> (Edwards)	---; ---; 70 (Jungle pools)	Barraud	1934
	Pools; ---; 143	Barraud	1928
<i>japonicus</i> (Theobald)	Rock and stream bed pools; experimental transmission of Japanese "B" encephalitis; 76. ---; ---; 158 (Rock & stream bed pools)	Bohart	1946
	Stone excavation containing rain water with no vegetation, excavation in rocks at the bed of a hill stream at 1000 to 2500 feet altitude; ---; 76	Feng	1933 b

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>Aedes japonicus</i> (Theobald) (cont.)	Tree holes, bamboo stumps, rock troughs; ---; 76	Chang	1939
	Jungle, mountains, bamboo stumps; ---; 76	Li & Wu	1935 b +
	---; ---; 76, 77, 139 (Clear water containers, water in stone cavities, bite man)	Hsiao	1945
	Rocky pools; ---; 77	Chow	1950
	---; experimentally transmits Japanese "B" encephalitis; 154	Hammon	1949 +
	Rock holes in the vicinity of hill country streams, clear water of artificial containers; ---; 158°	Hsiao & Bohart	1946
	Artificial containers with organic matter in sun or shade, cut bamboo stumps, May-Oct.; 158	La Casse & Yamaguti	1950
	Rainwater pools; ---; 158	Sasa & Sabin	1950
	---; experimentally infected with Japanese "B" encephalitis; 158	Sabin	1950
	---; ---; 194, 194 (Artificial containers and reservoirs, in outhouses, bites man)	Petrishcheva	1948
	Shaded reservoirs, tree holes; ---; 256	Pavlovskii	1947 +
<i>japonicus</i> var. <i>koreicus</i> Edwards	Rocky pools and hilly regions; ---; 76	Feng	1935 a
	---; ---; 168	Shtakelberg	1937
<i>johnsoni</i> Laffoon	---; ---; 242	Bick	1943
<i>jugraensis</i> (Leicester)	Fallen leaves; ---; 190	Knight & Marks	1952
	---; ---; 242	Stone et al.	1959
	Fallen leaves in forest; ---; 280	Edwards & Given	1928
<i>kabaenensis</i> Brug	Crab holes near shore; ---; 145	Brug	1939
<i>kararensis</i> Edwards	---; ---; 143	Edwards	1934 a
<i>khazani</i> Edwards	Tree holes; Sept.-Nov.; 143. ---; Sept.; 235	Barraud	1923 b
	Tree holes and bamboo stalks; ---; 144	Borci	1926
<i>xiangsiensis</i> Tung	---; ---; 76	Stone et al.	1959

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>AEDES kochi</i> var. <i>poicilia</i> (Theobald)	Leaf axils of <i>Crinum</i> sp. at lake; ---; 145, 146, 149, 190, 242	Brug	1931 a
<i>koreicoides</i> Sasa, Kono & Hayashi	---; Aug.; 158	Sasa et al.	1950
<i>koreicus</i> Edwards	Artificial containers, water pools in rocks and in hills; experimental transmission of <i>Dirofilaria immitis</i> ; 76°. Artificial containers, water pool in rock and in hills; ---; 194	Hsiao	1946
	Water kongs; late summer; 76	Lan-Chou	1930
	Rock and stream bed pools; ---; 76, 168	Bohart	1946
	---; ---; 77. Artificial containers and ground water; ---; 158°	Hsiao & Bohart	1946
	---; ---; 158. Ground pool, troughs, irrigation tanks; ---; 168	La Casse & Yamaguti	1950
	Artificial containers and waterbarrels along the streets; sometimes bites man in the daytime; 194°	Chin	1936
	---; ---; 256	Stone	1961
<i>lacteus</i> Knight	Tree holes; ---; 242	Knight & Marks	1952
<i>laffooni</i> Knight & Rozeboom	---; ---; 242	Knight & Hull	1952
<i>laniger</i> (Wiedemann)	---; ---; 70, 143, 144, 145, 146, 149, 190, 242	Knight & Hull	1951
	Water in ruts of forest paths; ---; 144	Borel	1930 a
<i>laoagensis</i> Knight	---; ---; 242	Knight & Hull	1951
<i>leicesteri</i> Edwards	Stream, in jungle; ---; 190	Edwards	1917
<i>lepchana</i> (Barraud)	Bamboo stumps; Oct., 143	Barraud	1923 a
<i>lepidonotus</i> Edwards	---; ---; 31, 162, 256 (In reservoirs, bites man)	Shtakelberg	1937
	Swamplands; ---; 317	Martini	1930
	Reservoirs; ---; 350	Monchadskii	1936 +

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>Aedes</i>	Edge of forests, in bushes; ---; 256	Martini	1930
<i>leucomelas</i>			
Meigen	Shaded reservoirs; ---; 256, 321	Monchadskii	1936 +
	---; ---; 256, 321 (Reservoir on forest edge, bushes)	Shtakelberg	1937
<i>leucomeres</i>	---; ---; 242	Edwards	1929
(Giles)			
<i>leucopleurus</i>	Tree holes; June; 242	Rozeboom	1946
Rozeboom			
<i>lineatopennis</i>	---; ---; 11, 59, 143, 149, 190, 242 (Natural pools, bites man by day). Rain water filled depressions; ---; 76	Hsiao	1945
(Ludlow)	---; ---; 70, 145, 146, 147, 277 (Bites man). Temporary grassy ground depressions; ---; 242	Knight & Hull	1953
	---; naturally infected with <i>Wuchereria malayi</i> , Apr.-March, Oct.; 70	Carter	1948
	---; naturally infected with filaria; 70	Dassarayake & Chow	1954
	Natural pools, ricefields; ---; 76	Chow	1949 c
	---; ---; 146	Brug & Edwards	1931
	---; ---; 147	Bohart	1945
	---; in houses, in train near light; 277	Barraud & Christophers	1931
<i>littoralis</i>	---; ---; 143	Barraud	1928
Barraud			
<i>longirostris</i>	---; ---; 11, 190 (Pools in mangrove swamps, crab holes)	Barraud	1934
(Leicester)	---; ---; 70 144, 145	Stone et al.	1959
	Brackish pools in swamps and near beach, artificial container in grassy area, depression in fallen log; crabholes; 242. Brackish rock pool; ---; 277	Knight & Hull	1952
	Edge of mangrove swamps, in sunshine and in shade, pools with black mud, crabholes, obstructed drains, artificial containers; ---; 280	Colless	1957 a
<i>lophoventralis</i>	Tree holes; artificial containers; 143	Knight & Marks	1952
(Theobald)	---; March-Oct.; 143 (Tree holes, sometimes in water-butts)	Barraud	1934

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>AEDES</i>	Bamboo traps; ---; 143	Fletcher	1923
<i>lophoventralis</i> (Theobald) (cont.)	Water butts; Aug.; 235	Barraud	1923 b
<i>lowisii</i> (Theobald)	---; ---; 11, 70, 143	Barraud	1928
	---; ---; 147	Stone et al.	1959
	---; ---; 242	Edwards	1929
<i>lugubris</i> Barraud	---; ---; 11, 59	Barraud	1928 a
<i>luteolateralis</i> (Theobald)	---; ---; 242	Bezzi	1913 +
<i>lutescens</i> Fabricius	---; July-Aug.; 256	Pletnjow	1928
	---; enters houses; 256	Shchel- kanovtzer	1928 +
	---; ---; 317	Anonymous	1944
	---; enters houses, May-July; 321	Rybinsky	1933
<i>luteus</i> (Ludlow)	Axils of palm, taro and banana; ---; 242	Knight & Marks	1952
<i>luzonensis</i> Rozeboom	Tree-holes and in artificial containers; July; 242	Rozeboom	1946
<i>macdougalli</i> Edwards	---; ---; 59, 144. Rock pools and stream bed pools; ---; 76	Bohart	1946
	Rock holes, rock pools or bamboo; ---; 70, 143, 149	Brug	1931 a
	Tree holes and bamboo stumps; ---; 70	Wijesundara	1942
	---; March, Sept.; 70	Barraud	1924 a
	---; ---; 76, 139 (Rock cavities in streams)	Hsiao	1945
	---; ---; 146	Knight & Marks	1952
<i>macfarlanei</i> (Edwards)	---; ---; 59, 143. Rock pools, stream bed pools; ---; 76	Bohart	1946
	Rock holes; ---; 76	Hu	1937
	Rock pools or bamboo; ---; 139, 144, 149	Brug	1931 a
	Tree holes, bamboo stumps; ---; 144	Borel	1926

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>AEDES</i>			
<i>macrodixoa</i> Dyar & Shannon	---; June; 242	Dyar & Shannon	1925
<i>maculatus</i> Meigen	Swamps, semipermanent ground pools; ---; 76	Bohart	1946
	---; ---; 76 (Bites during the day, marshy, weeded areas)	Hsiao	1945
	---; ---; 118, 256, 321 (Reservoirs, puddles, filled with melted snow or rain water, bites man)	Shtakelberg	1937
	Natural pools and marshes; ---; 194	Hsiao	1946
	---; bites man in the open in the daytime, in marshy places; 194°	Chin	1936
	Reservoirs with vegetation; ---; 256, 321	Monchadskii	1936 +
	---; May-Sept.; 256	Pletnjow	1928
	Temporary pools of melted snow water; ---; 321	Shlyapino	1933
	---; enters houses, May-July; 321	Rybinsky	1933
<i>margarsen</i> Dyar & Shannon	---; May; 242	Dyar & Shannon	1925
<i>mariae</i> (Sergent & Sergent)	Rock holes; Nov.; 154	Buxton	1924 a
	Warm sea water, coastal tide pools; bites freely in day time; 174°	Barraud	1921
	---; in houses, Sept.; 174	Parr	1943
	Along the coast; ---; 317	Martini	1930
	---; July; 321	Rybinsky	1933
	---; ---; 321, 326, 342 (In rock by sea shore)	Shtakelberg	1937
<i>mediolineatus</i> (Theobald)	---; ---; 59, 143	Barraud	1928
	---; ---; 70	Senior-White	1927 +
	---; ---; 133, 146, 277	Stone et al.	1959
	Shallow muddy swamps; ---; 144	Borel	1930 a
	---; ---; 149	Drug & Edwards	1931

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>Aedes</i>	---; ---; 70	Carter	1950 a
<i>mediopunctatus</i>	---		
Theobald	---; ---; 143 (Bamboos)	Barraud	1934
	---; ---; 144	Borel	1930 +
<i>mediopunctatus</i>	---; ---; 77	Stone et al.	1959
<i>pexplexus</i> (Leicester)	Bamboos; open woods; 242	Knight & Hull	1952
<i>mediopunctatus</i> <i>submediopunctatus</i>	---; jungle, Aug.; 143	Barraud	1923 d
Barraud			
<i>mediopunctatus</i> var. <i>sureilensis</i>	---; ---; 143	Barraud	1934
Barraud			
<i>medleri</i> Knight & Laffoon	Axils of <i>Pandanus</i> , banana, taro and abaca; ---; 242	Knight & Marks	1952
<i>meigenavus</i> Dyar	Springs in woods; ---; 256	Shchel-kanovtzev	1928 +
	---; ---; 321	Rybinsky	1933
<i>melanopterus</i> (Giles)	Tree holes; ---; 242	Knight & Hull	1952
<i>meronephada</i> (Dyar & Shannon)	Axil of banana-like plant along a jungle stream at 8,000 feet elevation; base of tree in a jungle at 1,000 feet elevation; 242	Knight & Hull	1952
<i>miachaetessus</i> Dyar & Shannon	---; ---; 31	Bohart	1945
	---; in crabholes; 242	Knight & Hull	1953
	---; Aug.; 242	Dyar & Shannon	1925
<i>micropterus</i> (Giles)	---; ---; 59 (Tree holes)	Barraud	1934
	---; ---; 70	James	1914 a
	Tree holes; rainy season; 143, 235	Barraud	1928 a
<i>mikiranus</i> Edwards	---; ---; 143	Edwards	1922 b
<i>mindoroensis</i> Knight & Hull	---; ---; 11, 147, 242	Knight & Hull	1951 a
<i>natronius</i> Edwards	---; ---; 332	Stone et al.	1959

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>AEDES</i>			
<i>nearcticus</i> Dyar	---; ---; 256°	Kiseleva	1936
<i>neborosus</i> Meigen	---; bites man in evening; 256°	Martini	1928 +
	---; ---; 256, 321	Martini	1930
<i>nigrinus</i> Eckstein	---; ---; 256	Shtakelberg	1937
<i>nigripes</i> Zetterstedt	---; ---; 256	Shtakelberg	1937
<i>nigrocanus</i> Martini	---; ---; 31	Shtakelberg	1937
	---; ---; 317	Stone et al.	1959
<i>nigrostriatus</i> Barraud	---; ---; 59, 143	Barraud	1928
<i>nigrotarsis</i> (Ludlow)	Pools; ---; 242	Bohart	1945
	Puddles; ---; 242	Bick	1949
	---; naturally infected with <i>Wuchereria bancrofti</i> ; 242	Rozeboom & Cabrera	1964
<i>nipponicus</i> La Casse & Yamaguti	Shaded water with organic matter; rare; 158	La Casse & Yamaguti	1950
	Artificial containers; bites man during day; 168°	Barnett & Toshioka	1951
<i>niveoides</i> Barraud	---; ---; 59. Tree holes, bamboo; ---; 76	Bohart	1946
	Bamboo stumps at about 2,500 feet elevation; ---; 76	Crook	1939
	---; ---; 139 (Tree holes, bamboo stumps)	Hsiao	1945
	Tree holes; bamboo; 143	Knight & Marks	1952
	---; ---; 144, 146, 149 (Bamboos)	Barraud	1934
<i>niveoscutellum</i> (Theobald)	---; ---; 143, 146	Barraud	1934
	Muddy ruts in forest paths; ---; 144	Borel	1930 a
	---; ---; 149	Brug & Edwards	1931
	---; ---; 242	Dyar & Shannon	1925

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>AEDES niveus</i> (Ludlow)	Tree holes, bamboo stump at lake; ---; 11, 146, 149, 158, 280	Brug	1931 a
	Tree holes and bamboos; ---; 76	Bohart	1946
	---; jungle; 76	Li & Wu	1935 b +
	---; ---; 70, 145	Knight & Marks	1952
	---; ---; 139, 143, 190, 242, 277 (Tree holes, bamboo stumps)	Hsiao	1945
	---; ---; 143, 144, 158 (Reservoirs, bamboo hollows)	Shtakelberg	1937
	Bamboo stumps; ---; 144	Borel	1930 a
	Tree holes at root or trunk of beech; ---; 158	Sasa & Ishimura	1951
	---; ---; 235	Barraud	1923 b
	Tree holes, bamboo stumps; ---; 242	Bohart	1945
	---; in banana groves, bamboo thickets and woods, naturally infected with <i>Wuchereria bancrofti</i> ; 242	Rozeboom & Cabrera	1964
	---; secondary vector of <i>W. bancrofti</i> ; 242	Cabrera & Rozeboom	1964
<i>niveus</i> var. A Brug	---; ---; 143	Brug	1931 a
<i>niveus</i> var. B Brug	Bamboo stumps at lake; ---; 144, 146, 149	Brug	1931 a
<i>niveus nipponicus</i> La Casse & Yamaguti	Bamboos, artificial containers; ---; 158	Knight & Marks	1952
<i>nobukonis</i> Yanada	---; ---; 158°	Hsiao & Bohart	1946
<i>notoscriptus</i> (Skuse)	---; ---; 242	Cooling	1924 a +
<i>notoscriptus montanus</i> Brug	Tree holes, bamboo stumps; ---; 146	Knight & Marks	1952
	Tree holes, artificial containers; ---; 147	Edwards	1924 +
<i>novalbopictus</i> Barraud	Tree holes; ---; 70	Wijesundara	1942
	Tree holes; ---; 143	Barraud	1934

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>AEDES</i>			
<i>novoniveus</i> Barraud	Tree holes, bamboos; ---; 143, 190	Knight & Marks	1952
<i>nubicolus</i> Laffoon	---; ---; 242	Knight & Hull	1953
<i>nummatus</i> Edwards	Tree holes, artificial containers in jungle; July, Sept.; 143	Barraud	1928
	Bamboos; ---; 143	Barraud	1934
<i>obturbans</i> Walker	Bamboo stumps, artificial containers; in forests early morning and evenings, bite is painful, in houses; 158°	Martini	1930
<i>okinawanus</i> Bohart	Artificial containers, tree holes, cut bamboo; bites in deep shade during the day, May to Oct.; 257°	Bohart & Ingram	1946
	Tree holes; ---; 257	Knight & Marks	1952
<i>orbitae</i> Edwards	---; ---; 190	Edwards	1928
	Cart tracks in jungle; ---; 280	Edwards & Given	1928
<i>oreophilus</i> Edwards	Tree holes; ---; 143	Barraud	1934
	---; Oct.; 143	Barraud	1924 a
	Tree holes; ---; 235	Knight & Marks	1952
<i>ornatus</i> Meigen	Tree holes; ---; 256	Martini	1928 +
	---; ---; 317	Anonymous	1944
<i>ostentatio</i> (Leicester)	---; ---; 70, 145, 190, 242	Barraud	1934
	---; ---; 143, 147. Jungle pools; vicious day- time biter; 190°	Knight & Hull	1953 +
	Small, sunny, grassless pools; ---; 144	Borel	1926
	---; ---; 146, 149	Brug & Edwards	1931
<i>pallidostriatus</i> (Theobald)	---; naturally infected with <i>Wuchereria malayi</i> , cattle-baited traps, April-November; 70	Carter	1948
	---; ---; 70 (Seepages, rain pools, dykes, ditches, borrow pits)	Barraud	1934
	Irrigation channels, temporary rain pools; Aug.- Sept.; 143	Senior-White	1928 a
	---; March and July; 143	Barraud	1928

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>AEDES pallirostris</i> Edwards	Bamboos; ---; 143	Knight & Marks	1952
	---; Feb.; 143	Barraud	1924 a
<i>pampangensis</i> (Ludlow)	Rain pools, vegetated stream margins, grassy pool in temporary stream bed; ---; 242	Knight & Hull	1953
<i>panayensis</i> Ludlow	---; ---; 147, 242	Knight & Hull	1953
<i>paradisimilis</i> Rozeboom	Tree holes, cut bamboo, palm stubs; Jan., Apr., June, Sept. and Dec.; 242	Rozeboom	1946
<i>patriciae</i> Mattingly	---; ---; 143	Stone et al.	1959
	---; ---; 235	Mattingly	1954 +
<i>paullusi</i> Stone & Farner	---; ---; 145, 147, 149. Rockpools in drying streambeds, coconut bushes, rot holes in fallen logs, hollow palm trunks and bamboos; in the woods; 242	Knight & Hull	1952
<i>peipingensis</i> Feng	Tree holes, bamboos; ---; 76	Bohart	1946
	---; bites man at dusk; 76°	Hsiao	1945
<i>perditus</i> (Leicester)	---; ---; 190	Edwards	1928
<i>periskeletus</i> (Giles)	---; ---; 143	Barraud	1928 a
<i>perplexus</i> (Leicester)	---; ---; 190	Edwards	1928
<i>pipersalatus</i> Giles	---; cattle baited traps, Apr.-Nov., naturally infected with <i>Wuchereria malayi</i> ; 70	Carter	1948
	---; naturally infected with filaria; 70	Dassanayake & Chow	1954
	---; ---; 70, 143, 235 (Ground pools, water-filled ditches)	Barraud	1934
	---; naturally infected with <i>W. malayi</i> ; 143	Raghavan	1961
	---; August; 143	Barraud	1928
	---; ---; 146	Salm	1917 +
<i>platylepidus</i> Knight & Hull	Fallen coconut spathe, log depression in mangrove area; ---; 242	Knight & Hull	1951 a

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>Aedes poecilus</i> (Theobald)	---; ---; 11, 145	Edwards	1922 c
	Leaf axils of taro; bite at dusk; 59°, 143°, 145°, 190°	Marks	1948 +
	---; ---; 59, 143, 190, 242. Leaf axils of <i>Colocasia indica</i> and <i>Crinum</i> sp.; ---; 146	Barraud	1934
	Leaf axils of taro and <i>Crinum</i> ; ---; 146. Banana stump; ---; 242	Stone & Bohart	1944
	---; June; 149	Stanton	1915
	Leaf axils of banana, abaca; ---; 190	Knight & Marks	1952
	Leaf axils of abaca and banana plants; enter houses at night, naturally infected with <i>Wuchereria bancrofti</i> ; 242	Rozeboom & Cabrera	1964
	---; naturally infected with and natural vector of <i>W. bancrofti</i> ; 242	Raghavan	1961
	---; ---; 242*	Manson-Bahr	1959
<i>prioekanensis</i> Brug	Swamps in virgin forest; ---; 149	Brug	1931 c
<i>prominens</i> Barraud	---; ---; 59. Tree holes, bamboos; ---; 76	Bohart	1946
	Bamboo stumps; Sept.; 143	Barraud	1923 a
	Tree holes; ---; 143	Barraud	1923 b
	---; ---; 144 (Tree holes and bamboo stumps)	Barraud	1934
	---; ---; 145	Knight & Marks	1952
<i>pseudalbopictus</i> (Borel)	---; ---; 59, 143. Tree holes, bamboos; ---; 76	Bohart	1946
	---; Aug. and May; 76	Wu	1936
	Bamboo stumps; ---; 144	Barraud	1931
	---; ---; 146 (Bamboo stumps)	Hsiao	1945
	---; ---; 149 (Bamboo stumps)	Barraud	1934
<i>pseudo-albolineatus</i> Brug	Bamboo stumps, treeholes in virgin forest and holes of mango tree; ---; 145	Brug	1939
<i>pseudodormica</i> Theobald	---; ---; 76	Faust	1926 a

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>AEDES</i>			
<i>pseudodivinus</i> (Theobald)	---; ---; 143	Barraud	1928 a
<i>pseudomedio- fasciatus</i> (Theobald)	---; Apr.-May, naturally infected with <i>Wuchereria malayi</i> ; 70	Carter	1948
	---; naturally infected with filaria; 70	Dassanayake & Chow	1954
	---; ---; 70, 143 (Hill streams, swamp)	Barraud	1934
<i>pseudoniveus</i> (Theobald)	Artificial containers, fallen leaves under a banyan tree; ---; 76	Riley	1932
	---; ---; 145, 149, 190	Stone et al.	1959
	Latex cup on rubber tree; ---; 280	Knight & Marks	1952
<i>pseudotaeniatus</i> Giles	---; ---; 59, 70, 143, 235 (Tree holes, rock pools, cement sinks, drains, iron cisterns)	Barraud	1934
	Artificial containers, tree holes, rock pools; ---; 143	Barraud	1923 b
	---; Apr., Aug.-Oct.; 143	Barraud	1924 a
	Tree holes, rock pools, artificial containers; ---; 242	Bohart	1945
<i>pulchritarsis</i> (Rondani)	---; ---; 35, 118, 143, 150, 321 (Reservoirs and tree hollows)	Shtakelberg	1937
	Tree holes with stagnant water; ---; 118	Rukhadze	1929
	Tree holes; ---; 150, 256	Monchadskii	1936 +
	---; ---; 162, 235 (Tree holes)	Barraud	1934
	---; ---; 303	Keshish'yan	1941 +
	---; ---; 317	Martini	1930
	Tree holes; ---; 321	Shakhov	1928 a +
	---; ---; 321°	Reinhard & Gutzevich	1931 +
<i>pulchritarsis</i> var. <i>asiaticus</i> Edwards	---; ---; 35, 150	Gutzevich	1948 +
	---; ---; 235	Stone et al.	1959
	Tree holes; ---; 318	Monchadskii	1936 +
	Tree holes; ---; 326, 350	Martini	1930

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>Aedes</i>			
<i>pulchritarsis</i> var. <i>stegomyia</i> Stackelberg & Monchadskii	Tree holes; ---; 162	Monchadskii	1926
<i>pulchritarsis</i> var. <i>versicolor</i> Barraud	---; at 7,500 feet elevation; 235	Barraud	1934
<i>pulchriventer</i> (Giles)	---; at 10,000 feet elevation; 76	Feng	1935
	---; ---; 76 (Fresh water pools in stream beds)	Hsiao	1945
	Tree holes, small pools and pot holes in stream beds; ---; 143. ---; ---; 235	Knight & Marks	1952
	Rock pools; ---; 143	Barraud	1934
	---; Feb.-June; 143	Barraud	1924 a
	---; ---; 144	Wu	1940
<i>pallatus</i> Coquillett	---; ---; 235	Barraud	1934
	Pools with vegetation; ---; 256	Pavlovskii	1947 +
	Shaded reservoirs; ---; 256	Monchadskii	1936 +
	In a valley; ---; 256	Martini	1930
	---; ---; 256 (Reservoir with peat silt and rocks)	Stackelberg	1937
<i>pulverulentus</i> Edwards	---; ---; 143	Barraud	1934
	---; ---; 235	Edwards	1922 b
<i>punctatus</i> Meigen	---; ---; 154, 317	Séguy	1924
<i>punctifemore</i> (Ludlow)	---; ---; 143	Edwards	1934 a
	---; Nov.; 242	Dyar & Shannon	1925
<i>punctipes</i> Edwards	---; ---; 59	Barraud	1934
<i>punctor</i> (Kirby)	Swamps, reservoirs; ---; 256, 321	Monchadskii	1936 +
	---; Aug.; 256	Breev	1950
	---; ---; 256, 321 (Reservoirs, marshes with vegetation, woods and taiga, bites man)	Shtakelberg	1937
<i>punctor</i> <i>meigenaus</i> Dyar	---; July-Aug.; 256	Pletnjow	1928
	---; ---; 321	Edwards	1921 +

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>AEDES</i>			
<i>quadripunctis</i> (Ludlow)	Open natural pools; ---; 242	Bohart	1945
<i>quartus</i> Martini	---; ---; 256	Martini	1931
	---; most active July; 321	Rybinsky	1933
<i>rami</i> Barraud	---; in jungle; 143	Barraud	1928 a
<i>refiki</i> Medschid	---; ---; 31, 321 (In spring puddles)	Shtakelberg	1937
	Pools and reservoirs; ---; 317	Monchadskii	1936 +
	---; ---; 317	Anonymous	1944
<i>reginae</i> Edwards	Treeholes; ---; 70	Barraud	1928 a
	---; ---; 143	Barraud	1934
<i>riparius</i> Dyar & Knob	Pools and reservoirs; ---; 256	Monchadskii	1936 +
	---; ---; 256, 321 (Reservoirs, marshes)	Shtakelberg	1937
	---; ---; 321°	Reinhard & Gutzevich	1931 +
<i>riparius</i> <i>ater</i> Gutzevich	---; ---; 294	Stone et al.	1959
<i>riveris</i> Bohart & Ingram	Artificial containers, rock holes, tree holes, cut bamboo, Aug.-Sept.; bites in woods during day, rests among foliage; 257°	Bohart & Ingram	1946
<i>rizali</i> (Banks)	---; ---; 242°	Bohart	1945
	---; ---; 242	Edwards	1929
<i>robertsi</i> Laffoon	---; ---; 242	Bick	1949
<i>rossicus</i> Dolbeskin, Gorickaja & Mitrofanova	---; ---; 256, 321 (Reservoirs, bites man)	Shtakelberg	1937
<i>rostochiensis</i> Martini	Cool forest water holes; attacks man day and evening; 256°	Martini	1928 +
	---; forests, May, June; 256	Martini	1925 +
	---; active June-September; 321	Rybinsky	1933
<i>rufus</i> Gimmerthal	---; ---; 256	Stone et al.	1959

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>AEDES</i>			
<i>rusticus</i>			
var. <i>subtrichurus</i>	---; ---; 317	Stone et al.	1959
Martini			
<i>salinellus</i>	Pools in forest; ---; 256	Shchel- kanovtzev	1928 +
Edwards	---; ---; 321	Rybinsky	1933
<i>salinus</i>	---; along coastal areas, steppes; 256°, 317°	Martini	1931
Ficalbi	Alkaline water; ---; 256	Martini	1925 +
	---; ---; 317	Anonymous	1944
<i>saperoi</i>	Tree holes, bamboo; ---; 242	Knight & Marks	1952
Knight			
<i>saricola</i>	Rock pools, tree holes; Aug.-Sept.; 143	Barraud	1923
Edwards	Rock holes in stream beds; ---; 143	Knight & Marks	1952
	---; ---; 146, 190 (Rock pools)	Barraud	1934
	Rock pools; ---; 190	Edwards	1923 +
	Large rock pools exposed to sunlight; ---; 277	Causey	1937
	Rock pools; ---; 280	Edwards & Given	1928
<i>scatophagoides</i>	---; ---; 59, 70, 143 (Open natural rain pools)	Barraud	1934
(Theobald)	Swamps, semi-permanent ground pools; ---; 76. ---; ---; 144	Bohart	1946
	---; ---; 139 (Natural rain pools)	Hsiao	1945
	---; ---; 235	Barraud	1929 +
<i>schtakelbergi</i>	---; ---; 294	Stone et al.	1959
Shingarev			
<i>scutellaris</i>	Small tree holes and coconut shells, tins and fallen bracts of coconut inflorescences; ---; 11, 59, 147, 149, 242	Lee	1944
(Walker)	Tree holes and bamboo stumps; ---; 70	Wijesundara	1942
	---; carrier of dengue; 76, 77	Faust	1926 a
	---; ---; 78, 337	Barraud	1934
	Cement pits sewage; naturally infected with filaria; 143	King et al.	1929

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>Aedes</i>			
<i>scutellaris</i> (Walker) (cont.)	Artificial containers, pools and ditches; ---; 143	Liston & Akula	1913 +
	<i>Colocasia</i> ; ---; 149	Brug	1931 a +
	Artificial containers, coconut shells, bushes and fallen fronds, tree holes and rot holes on fallen logs, in split bamboo; hovering about humans in shaded areas near habitations; 242	Knight & Hull	1952
	---; Aug.; 242	Dyar & Shannon	1925
	On fallen leaves; ---; 280	Colless	1957 a
<i>scutellaris</i> <i>alorensis</i> Stone & Farner	---; ---; 146	Manson- Bahr	1959
	---; ---; 149	Stone & Farner	1945
<i>scutellaris</i> <i>andrewsi</i> Edwards	---; ---; 78	Manson- Bahr	1959
<i>scutellaris</i> <i>paullusi</i> Stone & Farner	---; ---; 149	Stone & Farner	1945
	---; ---; 242	Manson- Bahr	1959
<i>scutellaris</i> <i>scutellaris</i>	---; ---; 147, 148, 242	Manson- Bahr	1959
	---; ---; 337	Stone & Farner	1945
<i>seculatus</i> Menon	---; on a bush; 143	Menon	1950
<i>semicantans</i> Martini	---; ---; 256	Shchel- kanovtzev	1928 +
	---; most active May-June; 321	Rybinsky	1933
<i>seoulensis</i> Yamada	Tree holes, bamboos; ---; 76, 168	Bohart	1946
	---; attacks man during the daytime; 168°	Barnett & Toshioka	1951
	Tree holes; bites during day; 194°	Hsiao	1946
<i>sherki</i> Knight	Rock holes in stream beds, occasionally in artificial containers; ---; 242	Knight & Marks	1952
<i>shintienensis</i> Tsia & Lein	---; ---; 77	Stone et al.	1959

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>AEDES</i>	Rock pools; June; 143	Barraud	1924 a
<i>shortti</i> (Barraud)	From <i>Colocasia</i> at lake; ---; 143, 149	Brug	1931 a
	---; ---; 149 (Rock pools)	Barraud	1934
	---; ---; 235	Knight & Marks	1952
<i>sigmoides</i> Barraud	---; crab hole; 11	Barraud	1928 a
<i>similis</i> Theobald	Clear pools in swamps; ---; 147	Lee	1944
<i>simlensis</i> Edwards	Tree holes; Aug.-Sept.; 143	Barraud	1924 a
	---; ---; 277	Causey	1937
<i>simplex</i> (Theobald)	Crab holes; ---; 11, 70	Barraud	1928 a
	---; ---; 149	Brug & Edwards	1931
	---; ---; 224	Barraud	1934
<i>simulatus</i> Barraud	Tree holes; ---; 143	Barraud	1931 a
<i>sinensis</i> Chow	Papaya treehole, bamboo stump; ---; 77	Chow	1950
<i>singularis</i> (Leicester)	---; ---; 145, 190	Edwards	1922 c
<i>sintoni</i> (Barraud)	---; ---; 161	Shtakelberg	1937
	---; ---; 143, 235 (Rock pools in stream beds)	Barraud	1934
	Rock pools in stream beds; at 7,000 feet altitude and above; 235	Knight & Marks	1952
	---; at 7000 feet elevation, Sept.; 235	Barraud	1924 c
<i>solicitans</i> Walker	---; ---; 76	Faust	1926 a
<i>stenoetrus</i> (Theobald)	---; ---; 70, 143	Barraud	1934
<i>stevensoni</i> Barraud	Bamboo stumps; Aug.-Sept.; 143	Barraud	1923 a
<i>sticticus</i> (Meigen)	---; ---; 143	Edwards	1921 +
	Open or shaded water; ---; 158°	Hsiao & Bohart	1946
	Reservoirs with vegetation; ---; 256, 321	Monchadskii	1936 +

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>Aedes</i>	---; Aug.-Sept.; 256	Pletnjow	1928
<i>sticticus</i> (Meigen) (cont.)	---; most active May-July; 321	Rybinsky	1933
<i>stonei</i> Knight & Laffoon	Axils of banana, <i>Pandanus</i> , taro, and abaca; ---; 242	Knight & Marks	1952
<i>subalbatus</i> (Coquillett)	---; ---; 59, 76, 77, 143, 144, 158, 168, 242, 257, 277	Stone et al.	1959
<i>subalbopictus</i> Barraud	Treehole; ---; 143	Barraud	1934
	---; jungle; 143	Barraud	1931
<i>subdiversus</i> Martini	---; ---; 162	Ivanov	1944
	---; ---; 256, 321	Shtakelberg	1937
<i>subniveus</i> Edwards	---; ---; 145. Latex cup; ---; 280	Edwards	1922 b
	---; ---; 149, 190	Brug & Edwards	1931
<i>subsimilis</i> Barraud	Bamboo stumps; Sept.; 143	Barraud	1927
<i>subtrichurus</i> Martini	---; ---; 317	Anonymous	1944
<i>suffusus</i> Edwards	Tree holes; Aug.; 143	Barraud	1924 a
<i>syntheticus</i> Barraud	---; ---; 143	Barraud	1934
<i>taeniorhynchoides</i> (Christophers)	---; ---; 70	Carter	1950 a
	Temporary rainpools; Oct.; 143	Senior-White	1928 a
	Ground pools; ---; 143	Barraud	1934
	Breeding places hidden; January; 144	Borel	1926
	---; in low region of hilly area, during day attacks man, common in the course of a brook, most troublesome at night in houses; 144*	Borel	1926 c
	---; ---; 235	Barraud	1928
<i>tarnogradskii</i> Martini	---; ---; 345	Martini	1930
<i>thomsoni</i> Theobald	---; ---; 70	Carter	1950 a
	Bamboo traps; ---; 143	Fletcher	1923
	Tree holes; ---; 143	Edwards	1917

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>Aedes togoi</i> (Theobald)	Brackish pools; experimental infection of <i>Wuchereria bancrofti</i> ; experimental transmission of Japanese "B" encephalitis; 76	Bohart	1946
	Rocky pools of sea water on the seashore in May; ---; 76	Feng	1935 a
	Fresh water in stone cavities; ---; 76. ---; bites at night; 158°. Foul rain water, brackish rock pool; ---; 256	Farner et al.	1946 +
	Cavities containing rainwater; ---; 76. Rock pools by the seashore, saline waters; in houses, resting in daytime upon walls, cattle byres, notorious nuisance; 139°. ---; complete development of <i>W. bancrofti</i> ; 158. Pools containing rainwater; 256.	Jackson	1938 b
	---; enters houses; 76°. ---; experimentally infected with <i>W. bancrofti</i> ; 158*. Highly saline water near seacoast, fresh water; ---; 257	Bohart & Ingram	1946
	Brackish water in rocky coastal pools; ---; 77	Chow	1950
	---; ---; 139, 158, 256 (Brackish water)	Hsiao	1945
	Brackish rock pools, artificial containers; enters houses, experimental infection with Japanese "B" encephalitis; 158. ---; ---; 168.	Hsiao & Bohart	1946
	Open areas, cement tank, granite vases in gardens, water containing hollows in rocks, in partly dried up beds of streams running down hill; ---; 158	Lamborn	1922
	Concrete pools, bamboo holes; ---; 158°	Sasa & Sabin	1950
	Ground water in sun, irrigation tanks, borrow pits; ---; 158	La Casse & Yamaguti	1950
	---; naturally infected with <i>W. bancrofti</i> ; 158*	Manson-Bahr	1959
	---; carrier of <i>Filaria bancrofti</i> ; 158	Edwards	1922 a
	---; indoors, May to Nov., peak Aug.; 158	Mitamura & Kitaoka	1950
	Brackish rock pools just above high tide, fresh water in artificial containers near the coast; invade houses during day and lighted rooms at night, host of <i>W. bancrofti</i> and experimental infection with "B" encephalitis; 168°	Hsiao	1948
	Artificial containers and ground pools; a possible vector of filariasis and Japanese "B" encephalitis, 168°	Barnett & Toshioka	1951

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>Aedes togoi</i> (Theobald) (cont.)	Artificial and reservoirs; town and villages, shelter by day in outhouses; 194°. Lagoons, warm water, deep fissures and shaded pool sites, artificial containers; enters houses, in rocky coast, June-Sept.; 256	Petrishcheva	1948 a +
	Brackish water pools among rocks, on seashore, rain-water puddles; domestic; 194*	Anonymous	1946
	---; ---; 256 (In rocks with rain water, bites man)	Shtakelberg	1937
	Pools with alkaline water; ---; 256	Pavlovskii	1947 +
<i>tonkinensis</i> Galliard & Ngu	Rocky excavations; ---; 144	Knight & Marks	1952
<i>tonsus</i> Edwards	---; ---; 145, 149	Brug	1934 +
	---; ---; 147	Stone et al.	1959
<i>treubi</i> (de Meijere)	From <i>Nepenthes gymnamphora</i> ; ---; 146	Brug	1931 a
<i>trimaculatus</i> (Theobald)	---; ---; 143	Barraud	1934
<i>umbrosus</i> Brug	---; ---; 145, 146	Brug	1924
	---; ---; 190	Edwards	1928
	---; ---; 242	Bick	1949
	Pot holes, crab holes in uncut mangrove; ---; 280	Edwards & Given	1928
<i>uncus</i> (Theobald)	---; ---; 190, 242	Bohart	1945
<i>unicinctus</i> Edwards	Tree holes; Aug.-Sept.; 143	Barraud	1923 b
<i>uniformis</i> (Theobald)	Jungle pools; ---; 143	Barraud	1934
<i>unilineatus</i> (Theobald)	Tins, barrels and garden pots, iron troughs, tree holes, bamboo sections; ---; 143°	Afridi	1939
<i>vallistris</i> Barraud	---; ---; 59	Barraud	1934
	---; in jungles; 143	Barraud	1928 a
<i>variegatus</i> (Schrack)	Coconut and cocoa-shells, tree holes, shells; ---; 11, 146, 147, 149	Brug	1931 a
	---; ---; 78	Edwards	1922 a
	Small pools of high organic content, water in coconut shells; ---; 147, 242	Stone & Farner	1945

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS: ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>Aedes</i>	---; ---; 190	Edwards	1932 +
<i>variegatus</i> (Schrank) (cont.)	---; ---; 242	Edwards	1929
	Steppe river lowlands in the high grass; seldom in forests but very much so in grazing grounds, are a big nuisance and attack in the evening, Apr., May, June; 256°. ---; ---; 350	Martini	1931
	---; ---; 256	Martini	1928 +
	---; ---; 317	Irfan & Vogel	1927 +
<i>variegatus</i> <i>alorensis</i> Bonne-Wepster & Brug	---; ---; 146	Stone et al.	1959
<i>variegatus</i> <i>andrewsi</i> Edwards	---; ---; 78	Barraud	1928
<i>varietas</i> (Leicester)	---; ---; 145	Edwards	1922 c
	---; ---; 149, 190	Brug & Edwards	1931
<i>versicolor</i> Barraud	---; at altitudes of 7500 feet; 235	Barraud	1924
<i>vexans</i> (Meigen)	Temporary waters; ---; 2	Edwards	1941
	Reservoirs, pools, pits, ditches, only in fresh water; ---; 28, 35, 150, 318, 321, 326	Monchadskii	1936 +
	---; ---; 28, 35°, 118, 150, 162, 168, 256, 318, 321 (In the open ditch, hole, puddle)	Shtakelberg	1937
	---; ---; 59, 70, 143°, 190, 235	Barraud	1928
	Pools, swamps; bites man day and night; 76°, 194°	Hsiao	1948
	Ground pools; bites day and night; 76°	Chow	1949 c
	Rain water; ---; 76	Chang	1939
	---; found at 10,000 feet above sea level; 76	Feng	1935
	---; Aug. & May; 76	Wu	1936
	---; to 10,000 feet; 76	Barraud	1934
	---; ---; 77	Edwards	1921 a
	Pools, ponds, ditches; ---; 139	Li & Wu	1934 a +
	---; ---; 143, 145	Edwards	1922 c

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>Aedes vexans</i> (Meigen) (cont.)	---; country settlements; 144	Borel	1926
	---; ---; 146, 149	Brug & Edwards	1931
	Artificial containers; ---; 150	Gutzevich	1948 +
	---; ---; 158. Riverflooded areas; a great pest from May-July, in houses; 256°. Highwater areas; March, a great pest; 317°. ---; ---; 350, 354	Martini	1930
	---; ---; 194	Chin	1936
	Temporary ground pools, ditches, foul water and grassy pools; bite during the day; 242°	Bohart	1945
	Ditches, temporary pools; experimental infection and transmission of encephalomyelitis; 256	Pavlovskii	1947 +
	Swamps, borrow pits, streams, artificial containers; ---; 256	Gutzevich	1937 +
	Ground pools, artificial containers; ---; 277	Causey	1937
	---; bites man, forest-steppe and forest areas; 303°	Bregetova	1946'
	Rain pools, in meadows; ---; 317	Bedia Bali	1938
	Swamps; May-September; 321	Rybinsky	1933
	---; ---; 321°	Reinhard & Gutzevich	1931 +
	Ditch water; ---; 326	Kazantzev	1932 +
<i>vexans bactrianus</i> Olsuf'ev	---; ---; 162	Olsuf'ev	1941
<i>vexans nipponii</i> (Theobald)	Temporary rain pools; ---; 76	Bohart	1946
	Fresh water ground pools, rice paddies, ditches; day and night biters in bamboo groves, suspected transmitter of Japanese "B" encephalitis; 158°	La Casse & Yamaguti	1950
	Temporary rain pools; ---; 158°	Hsiao & Bohart	1946
	---; June-Oct.; 158	Sasa et al.	1950 b
	---; ---; 162, 168, 256	Stone et al.	1959
	Fresh water ground pools, ponds, rice paddies, ditches; possible vector of Japanese "B" encephalitis; 168°	Barnett & Toshioka	1951
	Temporary rain pools; bite day and night, 168°	Hsiao	1948

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>Aedes</i>	—; —; 194	Ono	1939 +
<i>vexans</i>			
<i>nipponii</i> (Theobald) (cont.)	—; experimentally infected with spring-summer encephalitis; 256	Levkovich & Gutzevich	1941 +
	Temporary ground pools filled with rain water, open foxhole; April and May; 257	Bohart & Ingram	1946
<i>vexans</i>			
<i>nocturnus</i> (Theobald)	Temporary ground pools and depressions, principally in grassy areas; bites man at night; 242°	Knight & Hull	1953
	—; —; 242, 337	Bohart & Ingram	1946
<i>vexans</i>			
<i>stenostrus</i> Theobald	—; —; 31	Séguy	1924
<i>vigilax</i> (Skuse)	Salt marsh on coast; —; 77, 145	Edwards	1924 +
	—; —; 77, 144, 145, 146. Brackish pools along tidal swamp margins; common after periods of unusually high tides; 242°	Bohart	1945
	—; —; 149	Brug & Edwards	1931
	—; —; 190	Edwards	1928
	Salt and brackish marsh species; —; 242, 277	Lee	1944
	Nipa palm swamp; —; 277	Causey	1937
	—; —; 337	Brug	1924
<i>vigilax</i> <i>ludlowi</i> (Blanchard)	Small temporary ground pools surrounding rice paddies containing algae, water rushy in appearance, from temporary brackish pools at edge of salt marsh; woods, mangroves; 242	Knight & Hull	1951
<i>virilis</i> (Leicester)	—; —; 149, 190	Brug & Edwards	1931
<i>vittatus</i> (Bigot)	—; —; 2, 25, 70, 143, 144 (Vector of yellow fever)	Kumm	1931
	Treeholes and bamboo stumps; —; 70	Wijesundara	1942
	—; —; 70, 143, 295 (Reservoirs, rocks, artificial reservoirs near human dwelling)	Shtakelberg	1937
	Tins, barrels and garden pots, depressions in iron covers, cement garden stumps; favor outdoor situations, attacked men and displayed enhanced activity between 8:00 and 11:00 a.m. and between 4:00 and 6:00 p.m.; 143°	Afridi	1939

TABLE 1 - MOSQUITOS (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>Aedes vittatus</i> (Bigot) (cont.)	In artificial container; ---; 144	Borel	1926 a
	---; ---; 190	Edwards	1928
<i>vaimwrighti</i> Baisas	---; ---; 242	Stone et al.	1959
<i>v-albus</i> (Theobald)	---; ---; 70, 149	Stone et al.	1959
	Bamboo stumps; ---; 76, 77	Chow	1949 c
	---; lower hills; 76	Chang	1939
	---; ---; 139, 190	Wu	1940
	Bamboo traps; ---; 143	Fletcher	1923
	---; July; 143°	Afridi	1939
	---; jungle; 277	Causey	1937
<i>watasei</i> Yamada	---; Attempts to bite man by day; 158°	Hsiao	1946
	---; outdoors; 158°	Hsiao & Bohart	1946
<i>yamada</i> Sasa, Kono & Takahasi	---; ---; 158	Sasa et al.	1950 a
<i>yerburyi</i> Edwards	---; ---; 70	Senior-White	1927
<i>yunnanensis</i> (Caschen)	Rock pools and streambed pools; ---; 76	Bohart	1946
<i>yusafi</i> Barraud	---; ---; 143, 235	Barraud	1931 a
<i>zamittii</i> Theobald	---; ---; 317	Anonymous	1944
<i>zonatipes</i> (Walker)	---; ---; 242 (Implicated as a vector of dengue)	Bohart & Ingram	1946
<i>AEDIMORPHUS littoralis</i> Barraud	---; ---; 143	Barraud	1927
<i>nigrostriatus</i> Barraud	---; Dec., Nov.; 59, 143	Barraud	1927
<i>ADIOMYIA catasticta</i> Knob	---; ---; 70	James	1914 a
	---; ---; 242 (Breed in algae of marshy ponds, irrigation reservoirs, along grassy banks of coastal lagoons in full sunlight within dense vegetation)	Delfinado	1966

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>AEDYMYIA</i>	---; ---; 11. Weedy ponds; ---; 143	Barraud	1923 b
<i>catantora</i>			
Knob	Calm seabay, ---; 145, 146, 149	Brug	1931 a
	Swamps, pools with much vegetation, road cuts; ---; 242	Bohart	1945
<i>canustipes</i>	---; ---; 11	Barraud	1927
(Skuse)	---; ---; 59, 70, 143, 242 (Weedy pools, usually with vegetation)	Barraud	1934
	Weedy ponds; ---; 143	Barraud	1923 b +
	---; Dec.; 143	Senior-White	1934
	Shallow swamps free of vegetation; ---; 144	Borel	1930 a
	---; ---; 145	Brug	1931 a +
	---; ---; 146, 149, 190	Brug & Edwards	1931
	Floating vegetation; Jan., April., Dec.; 277	Causey	1937
	---; enters houses; 277	Barraud & Christophers	1931
<i>ANOPHELES</i>			
<i>acari</i>	---; ---; 242	Stone et al.	1959
Baisas			
<i>aeonitus</i>	---; ---; 11, 59, 70, 143, 144, 145, 146, 149, 190, 277 (Irrigation channels, swamps, ponds, pools in creeks and riverbeds, storm drains and tanks with grassy margins)	Boyd	1949
Dönitz			
	Clear water, artificial containers; experimentally infected with malaria; 59	Gater	1934 +
	Shaded fresh water with vegetation in creek and river bed pools, lakes; naturally infected with malaria; 59, 190. ---; ---; 77. Clean tanks with grassy edges, roadside storm water drains, streams, rivers; ---; 143	Christophers	1933 +
	Thick vegetation, small forest pools; Jan., Sept.- Nov.; 59°	Macan	1948
	Fast flowing streams, irrigation ditches; ---; 76*	Li & Wu	1934 +
	Ricefields; ---; 76	Chow	1949 a +
	---; houses, Sept.-Dec., Feb., Mar.; 76	Chow & Balfour	1949

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>ANOPHELES aconitus Dönitz (cont.)</i>	---; ---; 133 (Irrigation ditches, swamps, ponds, rice fields, stream and river pools)	Hsiao	1945
	---; ---; 139	Toumanoff	1934
	Tanks, pools among fallen paddy; infected with sporozoites of malaria, all year; 143*	Senior-White et al.	1943
	Grassy edges of irrigation canals; ---; 143. ---; malaria carrier; 144, 146, 277	Roy & Brown	1954
	Artificial containers, swamps, ditches, rice fields; ---; 143, 235. ---; in houses, Oct.; 143	Strickland & Chowdhury	1927
	Canals, wells, field channels; ---; 143	Abraham & Samuels	1944
	Ponds; ---; 143	Iyengar	1931 a
	---; naturally infected with malaria; 143, 144*, 145, 146, 190, 337 (Rice fields, fresh water ponds with grassy edges, steep, damp streambanks, in houses, bites man)	Bonne-Wepster & Swellen-grebel	1953
	---; experimentally infected with <i>Plasmodium falciparum</i> and <i>P. vivax</i> ; 143	Iyengar	1933
	---; ---; 143°	Ramsay	1930 a
	Small river, weedy lakes near habitations; Dec., nocturnal; 144 (Rare, troublesome)	Borel	1928
	Broad swamps with abundant reeds; ---; 144, 146*	Borel	1930 a
	---; all year, in houses, naturally infected with malaria; 144°	Raynal & Gaschen	1935
	---; experimentally infected with <i>Wuchereria bancrofti</i> ; 145*	Farner	1943 +
	---; naturally infected with <i>W. bancrofti</i> ; 145	Farner et al.	1946 +
	In shade, on shore at the outlet; ---; 145, 146, 149, 337	Brug	1931
	---; ---; 145*	Manson-Bahr	1959
	---; all year; 146	Toumanoff	1933 b
	Shaded, vegetated edges of swift mountain streams, springs, marshes; wild species; 147°	Lee & Woodhill	1944 +
	---; naturally infected with malaria; 147, 149, 235, 277°. ---; stream banks, enters houses, naturally infected with malaria; 146	Covell	1944

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>ANOPHELES</i> <i>aconitus</i> Dönitz (cont.)	Swamps with grassy margins; ---; 149	Toumanoff	1932
	---; May-Sept., carrier of malaria; 149	Doorenbos	1931
	---; ---; 158*	Geigy & Herbig	1955
	Streams running through paddy fields, swampy grass, large swampy pools, open deep swamps, weedy ponds; Oct.-Apr.; 190	Lamborn	1922 a
	---; Jan.-Mar., stables, experimentally infected with <i>P. falciparum</i> ; 190	Kingsbury	1932
	---; in houses; 190*	Wharton	1953
	---; naturally and experimentally infected with malaria; 190	Christophers	1916
	---; experimentally infected with <i>P. vivax</i> ; 190	Green	1935
	---; Apr.-Dec.; 190	Kingsbury	1931
	---; ---; 190*	Wilcocks	1944 b
	Open and closed ditches, rice fields; ---; 277. ---; ---; 366*	Causey	1927
	Flooded and grass grown fallow land, slowly moving streams; ---; 277	Barnes	1923 a
	Borrow pits, drain; ---; 277	Barraud & Christophers	1931
	---; Aug., Oct.-Dec., in houses; 277*	Barnes	1923
	Rice fields, fresh water fish ponds, canals and occasionally in streams; ---; 337*	Wilcocks	1944 d
<i>aconitus</i> var. <i>filipinae</i> Manalang	---; ---; 242	Manalang	1930
<i>adenensis</i> Christophers	Wells, streambed pools; ---; 2	Christophers	1924 a +
	Artificial containers; ---; 2	Boyd	1949
	---; suspected vector of malaria; 313, 332	Russell	1956
<i>aitkenii</i> James	Stream edges, seepage springs, in sun and shade; in houses; 11, 144	Boyd	1949
	Small pools near streams; tropical jungle and forest, enters houses; 11, 59, 143	Christophers	1916

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>ANOPHELES aitkenii</i> James (cont.)	Forest pools; ---; 11	Wilcocks	1944 a
	Wells, ditches; ---; 59	Grewal	1937 +
	---; ---; 59, 77, 135, 139, 143, 144, 242, 277 (Shaded cool, clear pools with sandy or stony bottoms)	Hsiao	1945
	Rock pools in the outlet of a lake; ---; 70, 143, 145, 146, 147, 149, 190	Brug	1931 a
	Jungle streams; ---; 70	D'abrera	1944
	Shaded cool and clear water pools with sandy and stony bottom; ---; 76	Feng	1938
	Small streams, seepage springs, small pools and bamboo groves; ---; 76	Chang	1939
	Drains, streams, forest, and bamboo gardens; ---; 76	Robertson	1940
	Mountains; ---; 76	Li & Wu	1935 b +
	---; experimentally infected with malaria; 76, 139	Li & Wu	1934 b +
	---; in houses; 76	Ling, Liu & Yao	1936
	---; ---; 122	de Mello	1934 +
	Fallow and growing rice fields, irrigation channels, swamps, hill-streams, rain water and seepage pools, wells; at 4,000 feet elevation and higher, in houses; 143	Russell & Jacob	1942
	Small pools along edges of streams in jungles up to 6,000 feet elevation; rarely in houses; 143, 190	Russell et al.	1943
	Shady stream and rocky drainage channel; ---; 143	McCombie Young & Bailly	1928
	Ditches and depressions; ---; 143	Iyengar	1930 b
	Indentations on banks of clear forest streams; Jan., Feb.; 143	Adhikari	1929
	Stagnant or semi-stagnant pools; Sept., Nov.-Dec.; 143	Shortt	1924
	---; Oct.; 143	Puri	1930
	Sunny or shaded rock pools, streams; ---; 144. Clear, sunny water; ---; 190	Toumanoff	1932
	---; ---; 145, 146, 149, 190 (In vegetation at rivers edge, seepage springs, jungle and forests, swamps, marshes, channels, rivers, rockpools)	Bonne-Wepster & Swellen- grebel	1953

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>ANOPHELES</i> <i>aitkenii</i> James (cont.)	Shaded, vegetated edges of swift mountain streams, springs, marshes; ---; 147°	Lee & Woodhill	1944 +
	---; ---; 162, 342	Peus	1942 +
	Rapid streams; jungle; 190	Lamborn	1922 a
	---; ---; 218	Stone et al.	1959
	Grassy margins of running streams; ---; 280	Colless	1957 a
	---; ---; 345	Shingarev	1926 +
<i>aitkenii</i> <i>aitkenii</i> James	Well-shaded, fresh, clean water in seepages, and jungle pools; ---; 143. ---; ---; 145	Colless	1948
<i>aitkenii</i> <i>bengalensis</i> Puri	---; ---; 70. ---; Feb., Sept.; 143	Puri	1930
	---; ---; 70, 139, 145, 366 (Margins of small streams, seepage springs, pools in forest, in sun and shade)	Boyd	1949
	Shaded margins of still or slow-flowing clear, cool, forest streams; ---; 76, 143, 144, 146, 190	Russell et al.	1943
	Pools, small streams, in shade or exposed to sunlight, forest regions from foothills to an altitude of about 1000 meters; ---; 77	Chow	1949 b
	---; ---; 145	Bonne-Wepster & Swellengrebel	1953
	---; ---; 149, 277	Smart	1943 +
	Quiet margins of cool forest streams; experimentally infected with malaria; 242	Bohart	1945
	Clear, cool, forest streams, along shaded edges with or without current; ---; 242	Russell & Baisas	1935
<i>aitkenii</i> var. <i>borneensis</i> McArthur	Clear running water in dense jungle shade; ---; 145	Bonne-Wepster & Swellengrebel	1953
<i>aitkenii</i> <i>stantoni</i> Puri	---; ---; 190, 337	Stone et al.	1959
<i>aitkenii</i> <i>treacherii</i> Leicester	---; ---; 145	Boyd	1949
	---; ---; 190	Stone et al.	1959

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>ANOPHELES</i>	---; ---; 70	James	1914 a
<i>albirostris</i>	---		
Theobald	---; malaria carrier; 143, 144	Faust	1926 a
	---; ---; 146, 190	Christophers & Harvey	1923
<i>albofimbriatus</i>	---; ---; 342	Stone et al.	1959
Giles			
<i>albotaeniatus</i>	Jungle and swamp pools; ---; 145. Shaded jungle pools of peaty water, sago swamp; bite outdoors during early evening; 190°	Colless	1948
Theobald	---		
	---; ---; 145, 146, 149, 190 (Small pools, shaded pools, decaying leaves, virginal forest, in slow running water)	Bonne-Wepster & Swallen- grebel	1953 +
	Deep, clear, shady forest pools with decaying vegetation; ---; 147	Knight et al.	1944 +
	---; March; 149	Stanton	1915
	---; naturally infected with <i>Huchereria malayi</i> ; 277	Raghavan	1961
	---; ---; 337	Stone et al.	1959
<i>alexandrae</i>			
<i>schingarevi</i>	---; ---; 326	Zhelokhovtzev	1937 +
Shingarev			
<i>algeriensis</i>	---; ---; 35	Kalandadze & Kaviladze	1947
Theobald			
	---; ---; 118, 151, 162, 256, 345 (Reservoirs, treeholes, irrigation, ditch, bites man)	Shtakelberg	1937
	Sluggish rivers and streams, fresh clear water usually still, in light shade, swamps; rarely enters houses; 150, 151, 159, 162, 302, 303, 321°, 342, 345	Logan et al.	1953 +
	Standing or slow-flowing water in ponds, pools and ditches with shading vegetation; bites man at dusk; 151°	Peus	1942 +
	Spring-fed swamps; in caves; 151	Macan	1950 +
	---; ---; 151° (Large marshes and sluggish streams with vegetation)	Russell et al.	1943
	Marshes; bites man outdoors at sunset; 154°, 159°, 174	Barraud	1921
	Stagnant water, slight current; Jan.-July; 154	Buxton	1924 a
	---; in houses by day; 154	Boyd	1949

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>ANOPHELES</i> <i>algeriensis</i> Theobald (cont.)	Marsh with vegetation; bites man by day; 159°	Lumsden & Yofe	1950
	Reeds; readily bites man after sunset in woods; 162	Vel'tishchev	1943 +
	Swamps, springs; May-Nov., attacks man at sunrise and sunset; 256°	Enikolopov	1937
	River floods and irrigation ditches; ---; 256*	Terdschanian	1929 +
	Muddy ponds with dense vegetation; ---; 256	Lomeiko	1924
	Swamps with vegetation, canals; ---; 302	Leeson	1950
	Slow running water with vegetation; ---; 317°	Sabit	1927 +
	Brackish water; ---; 317	Vogel & Martini	1927 +
	---; in shade; 317	Martini	1928 a
	---; ---; 318	Gutzevich	1948 +
	Swamp-fed springs, drainage and irrigation ditches, ricefields; ---; 326	Vlitcheva	1943 +
	Saline waters; in houses, stables, bites in the open when almost dark; 342°, 350°. ---; ---; 326	Martini	1929
	Edge of swamps covered with vegetation; pools; 342	Saliternik	1933
	---; all year; 342	Senevet & Andarelli	1956
<i>algeriensis</i> <i>turkestani</i> Schingarew	---; ---; 162	Martini	1929
<i>alongensis</i> Venhuis	Rock holes with clear water; ---; 144	Bonne-Wepster & Swellen- grebel	1953
	Clear water with algae; ---; 144	Boyd	1949
<i>amaurus</i> Martini	---; ---; 162, 326	Stone et al.	1959
<i>annandalei</i> Prashad	Bamboos and tree holes; ---; 31	Christophers	1924
	Treeholes and bamboo stumps; in houses; 70	Wijesundara	1942
	Tree holes; 5000 feet elevation and above; 143	Iyengar	1922
	Tree holes; ---; 146	Boyd	1949
<i>annandalei</i> var. <i>djajasanensis</i> (Brug)	---; ---; 146	Stone et al.	1959

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>ANOPHELES</i> <i>annandalei</i> <i>interruptus</i> Puri	Tree holes; ---; 70, 144	Russell et al.	1943
	Cut bamboos; ---; 70	D'abrera	1944
	Jungle tree holes; ---; 76	Chow	1949 a +
	---; ---; 76, 277	Stone et al.	1959
	Tree holes; August; 143	Puri	1929
	Cut bamboo stems; ---; 143	Russell & Jacob	1942
	---; enters houses; 144	Farinaud	1938
	Tree holes, mountain valleys, foothills, swamps, pools and rice fields; ---; 59	Wilcocks	1944
	Shallow vegetated lake, ditches; ---; 59, 133, 144	Farner et al.	1946 +
	---; ---; 59, 76, 143, 145, 146, 242, 277 (Fresh water fishponds, ricefields, hill streams with vegetation, swamps, borrow pits of much aquatic vegetation, in houses at night, greedy blood sucker, naturally infected and vector of malaria)	Bonne-Wepster & Swellen- grebel	1953
<i>annularis</i> Van der Wulp	Marshy forest areas; active day and night, Jan.- Mar., Aug.-Dec.; 59	Macan	1948
	---; naturally infected with malaria; 59, 76, 190. ---; naturally infected with malaria, enter houses, plain or hills up to 7000 feet; 143. Tree holes, cut bamboo; ---; 144. Saline water; naturally infected with malaria; 146 (Still water with floating vegetation, tanks, swamps, rice fields, borrow pits, in houses)	Covell	1944
	Rivers, slow-flowing ditches; ---; 70*. ---; experimentally infected with malaria; 144	Simmons & Aitkens	1942 +
	---; naturally infected with malaria; 70, 77, 144, 147, 149, 277 (Ponds with aquatic vegetation, slow-flowing streams, rivers, ditches, altitude of 7000 feet elevation)	Russell et al.	1943
	Swamps, drying rivers or streams, lakes, reservoirs, ponds, open wells, drains, ditches, stagnant river or stream margins, rice fields; enters houses, naturally infected with malaria; 76*	Robertson	1940
	Pools, ponds; low-lying plains, enters houses, Aug.- Sept.; 76°	Chang	1940
	Seepage water from hillsides, rice field and grassy vegetation; ---; 76	Feng	1928

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>ANOPHELES</i>	Hill streams; ---; 76	Feng	1936
<i>annularis</i>	---	Hsiao	1945
Van der Wulp (cont.)	---; naturally infected with malaria; 76		
	---; June-Dec.; 76	Chow & Balfour	1949
	Still and running water in lowlands; ---; 77	Chow	1949 b
	Natural ponds with weeds and grass in shade, banks; enters houses; 122	James	1904 +
	Still water, channels, drains, swamps, paddy fields; in houses, Aug.-Nov.; 143*	Senior-White et al.	1943
	Stagnant water with vegetation in wells, canals, margins of lakes, tanks, moats, dead rivers, ponds, drains, river bed pools; powerful flier; 143	Christophers	1933 +
	Tanks, ponds, pools, borrow pits with vegetation; Sept.-Dec.; 143	Panigrahi	1942
	Field channels, swamps, ricefields; ---; 143	Abraham & Samuels	1944
	---; experimental transmission of <i>Plasmodium vivax</i> , <i>P. falciparum</i> and <i>P. malariae</i> ; 143	Basu	1943
	---; all year, in houses; 143	Russell & Ramachandra Rao	1941
	---; naturally infected with <i>Wuchereria</i> <i>bancrofti</i> ; 143	Manson- Bahr	1959
	---; June, Oct.; 143	Jaswant Singh	1933
	Lake margins, ditches; ---; 145, 147, 149	Boyd	1949 +
	Clear fresh water, fish ponds, rice fields, hill streams with much vegetation, swamps, borrow pits, with much aquatic vegetation; enters houses, bites at night; 146*, 149*, 190*, 242*, 277*	Bonne-Wepster & Swellengrebel	1953 +
	Shallow, vegetated lake and slow stream margins, artificial containers; ---; 146, 190, 242	Farner et al.	1946 +
	Low swampy areas; July and Aug.; 190	Hodgkin & Johnston	1935
	---; Jan.-Apr., Sept.-Dec., experimentally and naturally infected with malaria; 190	Kingsbury	1928 +
	---; ---; 190*	Geigy & Herbig	1955
	---; experimentally infected with <i>P. falciparum</i> ; 190	Green	1935

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>ANOPHELES</i>	---; ---; 218	Kumm	1929 +
<i>annularis</i>			
Van der Wulp (cont.)	---; ---; 235	Iyengar	1944
	Aquatic vegetation in ponds, ditches, ricefields and along vegetated edges of lakes; ---; 242	Russell & Baisas	1935
	Pools, swamps, borrow pits; naturally and experimentally infected with malaria; 242	Bohart	1945
	---; naturally infected with <i>W. bancrofti</i> ; 242	Raghavan	1961
	Open and closed ditches, rice fields; enters houses, possible carrier of malaria; 277	Causey	1937
	---; ---; 277*	Wilcocks	1944 b
<i>annularis</i>			
<i>adie</i>	---; Sept. to Dec.; 76	Yao et al.	1943
James & Liston			
<i>annulipes</i>	---; suspected vector of malaria; 77	Gaschen	1936
Walker	---; ---; 242	Edwards	1929 +
<i>apoci</i>	---; ---; 31	Macan	1942
Marsh	Stagnant brackish pools; ---; 150	Russell et al.	1943
	---; ---; 151	Stone et al.	1959
<i>aquasalis</i>	---; ---; 190°	Wharton	1953
Curry			
<i>arabica</i>	Slow-flowing water in underground aqueduct; ---; 25	Russell et al.	1943
Christophers & Khazan Chand	---; ---; 151, 235	Macan	1950
	Slow moving water, seepages; ---; 154*, 302*	Boyd	1949
<i>arabiensis</i>	---; ---; 2	Stone et al.	1959
Patton			
<i>argyropus</i>	---; ---; 143, 146, 149, 190, 277	Stone et al.	1959
(Swellengrebel)			
<i>asiaticus</i>	---; ---; 70	Senior-White	1925
(Leicester)	---; ---; 143	Christophers	1921
	Bamboo stumps; deep jungles; 190	Russell et al.	1943
	Fallen bamboo with decaying leaves; ---; 190	Kingsbury	1936
	Tree holes; ---; 190	Christophers	1924

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>ANOPHELES</i>			
<i>atropotenae</i> Lindtrot	---; ---; 35	Stone et al.	1959
<i>aurirostris</i> (Watson)	Nipa palms and in brackish water; ---; 190	Russell et al.	1943
	Large swampy pools; ---; 190	Lamborn	1922 a
<i>saeniae</i> Baily- Choumara	Brackish water, covered with algae, <i>Typha</i> and aquatic vegetation, artificial containers, warm salty water; ---; 2	Baily- Choumara	1960
<i>baezai</i> Gater	---; ---; 144, 146, 149. ; ---; 190 (Among nipa palms, bites man)	Bonne-Wepster & Swellen- grebel	1953
	---; ---; 145*	McArthur	1950
	Brackish water in stagnant pools and swamps under shade along the coast; naturally infected with malaria; 190	Russell et al.	1943
	Water of high salinity; ---; 190	Kingsbury	1936
	---; enters houses; 190	Nair	1947 +
	Brackish water; ---; 242	Rozeboom	1951
	---; ---; 277, 337	Stone et al.	1959
	Tidal swamps; ---; 280	Gater	1933 +
<i>baezi</i> <i>gateri</i> Baisas	---; ---; 145. Brackish waters under deep shade, overgrown tidal drains, Nipa palm, swamp fringes; ---; 242	Colless	1948
<i>balabacensis</i> Baisas	---; ---; 77, 146, 190, 235. ---; possible vector of malaria; 59, 143, 144. Pools in deep jungle; ---; 145. Seepages from stream, rock pools, pits; in forest, enters houses, all year peak, Sept.-Nov.; 277*	Scanlon & Sandhinand	1965
	---; possible vector of malaria; 149. ---; ---; 145*	Bonne-Wepster & Swellen- grebel	1953
	Forest creeks, clear pools in beds of temporary forest streams and pools away from stream; ---; 242	Boyd	1949
<i>balabacensis</i> <i>baisasi</i> Colless	---; ---; 242	Stone et al.	1959
<i>balabacensis</i> <i>introlatus</i> Colless	---; ---; 190	Stone et al.	1959
	---; - -; 277	Scanlon & Sandhinand	1965

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>ANOPHELES</i> <i>balerensis</i> Mendoza	---; ---; 242	Stone et al.	1959
<i>bancroftii</i> Giles	Shallow, stagnant or running water with vegetation; ---; 70	Knight et al.	1944 +
	---; ---; 70, 190. Large bodies of water with vegetation, ditches, canals; naturally infected with malaria; 242	Bohart	1945
	---; naturally infected with <i>Wuchereria bancrofti</i> ; 145	Manson- Bahr	1959
	Lakes, river backwaters; bites man at night; 147*	Farner	1943 +
	---; ---; 147 (Shaded pools, grassy-banked slow creeks, pot holes in creeks and rivers)	Covell	1944
<i>bancroftii</i> var. <i>barbiventr</i> Brug	Clear sunny pools; ---; 145	Russell et al.	1943
	Shaded pools in woods; ---; 145	Bonne-Wepster & Swellen- grebel	1953
<i>bancroftii</i> var. <i>pseudo- barbirostris</i> (Ludlow)	---; along stream banks, Oct.-Dec.; 242	Russell	1931
<i>barbirostris</i> Van der Wulp	Shady pools and watercourses; common in forests, orchards, rarely enters houses, experimentally infected with malaria; 11, 59, 70, 143	Christophers	1916
	Salt water swamp, well; ---; 11. ---; naturally infected with malaria; 149, 190. ---; enters houses; 242 (Shady pools with vegetation, tanks, borrow pits, ricefields, swamps, slow-flowing streams, bite outdoors in shade by day, rarely found in houses)	Covell	1944
	Slow streams, tanks covered with weeds; ---; 11	Wilcocks	1944 a
	Spring, dams, ponds, pools, stagnant water, burrow pits; ---; 11, 59, 133, 144, 149, 190, 242, 277	Farner et al.	1946 +
	---; ---; 70, 76, 143, 146. ---; experimentally infected with <i>Wuchereria malayi</i> ; 145. ---; in houses, experimentally infected with <i>Plasmodium vivax</i> ; 190. ---; experimentally infected with <i>P. falciparum</i> ; 242. ---; experimentally infected with <i>P. vivax</i> ; 337 (Clear water, slow running streams, ponds, swamps, ditches, bites man)	Bonne-Wepster & Swellen- grebel	1953

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>ANOPHELES</i> <i>barbirostris</i> Van der Wulp (cont.)	---; attack man by day; 11. Stagnant water in lakes, irrigational borrow pits, pits; ---; 143	Christophers	1933 +
	Marshy forest areas, forest pools, shell crater; Jan.-March, July-Dec., bites man at night; 59°	Macan	1948
	Artificial containers; ---; 59	Feegrade	1929 +
	---; enter houses, bites man out doors; 59°	Macan	1950 a
	Rain pools on grass, tank, ricefield and jungle pond; Feb., April, June; 70	Senior-White	1928
	---; naturally infected with <i>K. malayi</i> ; 70	Carter	1948
	Swamps, drying rivers or streams, lakes, reservoirs, open wells, drains and ditches, stagnant river or stream margins; enters houses; 76	Robertson	1940
	Ponds, pools, rice fields and with vegetation; ---; 76	Feng	1938
	Stagnant water with vegetation; ---; 76	Boyd	1949
	---; Sept. to Dec.; 76	Yao et al.	1943
	Swamps, rice fields; enters houses at daytime, July-Oct.; 76°	Chang	1940
	Shores of river, ponds, puddles; March and Oct., during dry season and end of rainy season; 122	de Mello & & Bras de Sa	1935
	Ricefields; ---; 133°	Hsiao	1945 +
	---; ---; 133, 139	Feng	1937
	Swamps, slow flowing shaded streams; ---; 139	Li & Wu	1934 +
	Water rich with putrifying vegetation; common, Nov. and March, in houses; 143	Russell & Ramachandra Rao	1941
	Stagnant ponds, shaded ditches, shaded pools with vegetation; ---; 143	Iyengar	1930 a
	Irrigation channels; ---; 143. ---; ---; 143°	Senior-White	1928 a
	Grass covered tanks, hill streams, wells; ---; 143	McCombie Young & Abdul Majid	1929
	In lake; ---; 143	Senior-White & Adhikari	1939
	Storm water by roadsides; ---; 143.	Iyengar	1924
	---; all year; 143	Iyengar	1932
	---; ---; 143°	Senior-White	1934
	Open water; enters houses; 143, 235	Strickland & Chowdhury	1927

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
ANOPHELES <i>barbirostris</i> Van der Wulp (cont.)	---; naturally and experimentally infected with <i>W. bancrofti</i> and <i>W. malayi</i> , natural vector of <i>W. bancrofti</i> , natural and experimental vector of <i>W. malayi</i> ; 143*, 145, 277*. ---; experimentally infected with and experimental vector of <i>W. bancrofti</i> ; 146. ---; naturally infected with and natural vector of <i>W. malayi</i> ; 190	Raghavan	1961
	---; ---; 143*, 145*	Manson-Bahr	1959
	Sunny or shady stagnant pools, swamps, streams with vegetation, artificial containers; enters houses; 144*	Borel	1930 a
	Grassy streams and pools; November-April; 144	Borel	1926
	Small river, reedy lakes; Dec., nocturnal; 144	Borel	1928
	In stagnant water of furrows; common; 144	Borel	1926 c
	---; Nov., Dec.; 144	Gashen & Marneffe	1936
	---; all year, in houses; 144	Raynal & Gaschen	1935
	---; ---; 144°	Toumanoff	1935 a
	In shade in clear water of streams and rivers, ponds, rock pools, ditches, canals, borrow pits, rice fields, wells, salt water swamps; bite in shade in day, enter houses occasionally, experimentally infected with <i>Plasmodium vivax</i> ; 145°, 147°	Simmons	1942 +
	"Coconut" on the lake; ---; 145, 146, 147, 149	Brug	1931 a
	Fresh and brackish water; ---; 145, 146, 147	Farner	1943
	Shaded, sunny, turbid and stagnant water; ---; 145*. ---; in houses, naturally and experimentally infected with <i>W. malayi</i> , attacks day and night; 149°	Lee & Woodhill	1944 +
	Sago swamps, drains; in buildings, May-Oct.; 145	Roper	1914
	Pools, buffalo wallows, swamps with tall grass sedge seepages, paddy fields; ---; 145. Ground water containing vegetation, paddy fields, overgrown drains and open, sedge swamps; bite during day and at night; 146°	Colless	1948
	---; in houses, experimentally infected with microfilaria, carrier of <i>Wuchereria malayi</i> ; 145°	Karladi	1938
	---; naturally infected with malaria; 145	Roy & Brown	1954
	---; possible vector of malaria; 145	McArthur	1950

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
ANOPHELES <i>barbirostris</i> Van der Wulp (cont.)	---; ---; 145*. Coastal plains in slow moving stagnant water, often shaded; ---; 190*	Russell	1956
	---; ---; 145*	Wilcocks	1944 d
	Clean water swamp and polluted fish pond; ---; 190	Hacker	1923
	Swamps; in houses, vector of malaria; 190*	Hodgkin et al.	1935
	Large swampy pools; ---; 190	Lamborn	1930
	Swamps with overgrown vegetation, mining pools and aquatic plants; ---; 190	Hodgkin & Johnston	1935
	---; Apr.-Dec., cattle sheds; 190	Kingsbury	1931
	---; March-June, experimentally infected with <i>W. bancrofti</i> ; 190	Hodgkin	1938
	---; experimentally infected with malaria; 190, 242, 337. Dense cover of weeds, open and closed ditches; ---; 277. ---; naturally infected with malaria; 337	Causey	1937
	---; experimentally infected with <i>P. vivax</i> ; 190	Green	1935
	---; possible vector of malaria, occasionally bites out of doors, indoors; 190°	Wharton	1953
	---; naturally infected with <i>W. malayi</i> ; 190	Wharton	1957
	---; stables, all year; 190	Kingsbury	1932
	---; enters houses; 190	Lamborn	1922 b
	---; ---; 235	Christophers	1921
	Wells, mountain creek, spring full of aquatic vegetation; May and Aug., rare; 242	Baisas	1931
	Pools in stream beds, streams and rivers, irrigation channels, rice fields; ---; 242	Mieldazis	1930
	Semi-stagnant pool, densely shaded with vegetation and algae, open rivers and brooks, under overhanging plants along the banks of open streams; ---; 242	Walker & Barber	1914
	Shaded clear water of streams and rivers; naturally infected with malaria; 242	Bohart	1945
	---; wall with cracks and crevices, Oct. to Dec.; 242	Russell	1931

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>ANOPHELES</i>	---; naturally infected with oocysts; 242	Dy & Gapuz	1948
<i>barbirostris</i> Van der Wulp (cont.)	Borders of rice fields, in moats, ponds, borrow pits, roadside drains and in gardens; inside houses and sheds, Oct.-Nov.; 277	Barraud & Christophers	1931
	Flooded and grass grown fallow land; June, July, Nov.-Dec.; 277	Barnes	1922
	Blind ends of waterways; common; 277	Wilcocks	1944 b
	---; ---; 277°	Barnes	1923
	---; ---; 349	de Mello & Afonso	1921
<i>barbirostris</i> <i>ahomi</i> Chowdhury	Ditches and stagnant pools with vegetation, swamps; ---; 143	Russell et al.	1943
<i>barbirostris</i> <i>barbirostris</i> Van der Wulp	---; ---; 59, 70, 76, 133, 143, 144, 149, 190, 242, 277 (Ponds, pools and rice fields, bites man). ---; intermediate host of <i>Wuchereria malayi</i> ; 145 (Ponds, pools and rice fields with vegetation, feed on human blood)	Hsiao	1945
	---; naturally infected with <i>W. bancrofti</i> ; 143, 146*	Manson-Bahr	1959
	---; ---; 145, 146, 147 (Under shaded streams, rivers, vegetated ponds, pools, burrow pits, rice fields, wells, salt water swamps). ---; naturally infected with malaria; 190	Russell et al.	1943
	---; ---; 190*	Geigy Herbig	1955
<i>barbirostris</i> <i>innominata</i> (Venhuis)	Stagnant pools, rivers, swamps; ---; 145*	Stoker & Koes	1949 +
<i>barbumbrosus</i> Strickland & Chowdhury	Rocky pools in forest or swamps; ---; 77	Chow	1949 b
	---; ---; 144	Lefeburev	1938
	Sunny open grassy ravines, clear streams; infected with malaria; 145. ---; ---; 190, 277, 337 (Slowly running water, springs in jungle and rice fields, grass fringed streams)	Bonne-Wepster & Swellen-grebel	1953
	---; ---; 146, 149	Colless	1948
	Stagnant water in deep drain; ---; 190	Kingsbury	1931

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>ANOPHELES</i> <i>barianensis</i>	Tree holes, 5,000 to 8,000 feet elevation; 143. ---; ---; 303	Russell et al.	1943
	---; enters houses; 143°. ---; ---; 235	Christophers	1916 a
<i>berestnevi</i> Shingarev	---; ---; 326	Stone et al.	1959
<i>bifurcatus</i> Linnaeus	---; mountains, June-August; 3°	Lindberg	1949
	Pools, springs, drainage ditches; ---; 35	Voskressenskii & Brenn	1928 +
	Clean cool ditch water with vegetation; ---; 118	Anonymous	1915 a
	Forests; ---; 118	Roukhadze	1925
	Boggy areas; ---; 118	Roukhadze	1926 b
	---; enters houses, Mar.-Nov.; 118	Roukhadze	1925 a
	---; ---; 143	Iyengar	1928
	Cool mountain streams, stagnant water, irrigation channels; ---; 150	Gutzevich	1948 +
	---; ---; 151	Christophers & Shortt	1921 b
	Subterranean rock cisterns, orange groves, wells; enters houses; 154°	Austen	1919
	Cisterns; Jan.-March; 154	Kligler	1924
	Wells, cisterns, small bodies of water; March and June, carrier of malaria; 154. Wells, cisterns, small bodies of water; found March and June; 342	Buxton	1924 a
	Cool rain water in cisterns, covered wells; rarely enters houses; 159, 174, 342	Barraud	1921
	---; ---; 162	Khodukin	1928 +
	Riverbeds, open wells, ditches; ---; 174. Artificial containers; Feb.-March; 302	Legendre	1924 +
	Shaded waters of subsoil origin, drainage ditches with sandy banks overgrown with grass; trees and reeds adjoining drainage ditches; 256	Enikolopov	1931 +
	Natural reservoirs containing clear, pure water; ---; 256	Zarkin	1929 +
	Shaded still waters, small swiftly running mountain streams; ---; 256	Yatzenko	1927

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>ANOPHELES</i>	---; attacks man in daylight; 256°	Shakhmatov	1926 +
<i>bifurcatus</i>	Cisterns and wells, sunny mud puddles without vegetation; ---; 302	Legendre	1924 a
Linnaeus (cont.)	---; Apr., May, Sept., Oct.; 303	Latushev	1929 +
	Swamps, shady waters surrounded by tall vegetations, springs, wells, fountains; in forests, houses and stables, bites man at night; 317°. Wells and cisterns; ---; 342	Martini	1929
	Clear, slow-flowing or stagnant, shaded water; ---; 317	Sabit	1927 +
	---; carrier of malaria; 317	Anonymous	1944
	Irrigation ditches; ---; 318	Petrishcheva	1931 +
	Springs; ---; 318	Orlowa & Schachow	1930 +
	---; ---; 318, 326 (Shaded reservoirs, bites man)	Shtakelberg	1937
	Streams; all year; 321	Rybinsky	1933
	Permanent reservoirs nourished by spring water; ---; 321	Dolbeshkin	1928 +
	---; bites man during day; 321*	Shakhov	1928
	Deep wells; ---; 342	Swellen-grebel	1925
	Reservoirs and artificial containers; ---; 342	Shapiro	1933
	---; ---; 342*	Stuart	1933
	---; ---; 345	Mess	1940
<i>brevipalpis</i>	---; swamps and jungle, Jan., Apr., June and Dec.; 145	Roper	1914
Roper	---; in houses; 145°, 149°, 190° (Drains, pools, jungle swamps with dense vegetation)	Russell et al.	1943
	---; ---; 145, 190, 337 (Swamps, streams, pools and drains in shade)	Bonne-Wepster & Swellen-grebel	1953
<i>brevirostris</i>	Small stream at edge of jungle in foothills or in coastal plains; ---; 190	Bonne-Wepster & Swellen-grebel	1953
Reid	Grassy margins of running streams; ---; 280	Colless	1957 a

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS, ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>ANOPHELES</i> <i>bulkleyi</i> Causey	Tree hole; ---; 277	Bonne-Wepster & Swollen- grebe]	1953
<i>cardioidensis</i> Koidzumi	---; ---; 77	Faust	1926 a
	---; ---; 139*	Russell	1956
<i>chaudoeyi</i> Theobald	---; ---; 143	Edwards	1912 a
	---; ---; 342	Shtakelberg	1925 +
<i>chodukini</i> Martini	---; ---; 162, 326	Martini	1929
<i>christophersi</i> Theobald	Sluggish or fast flowing streams with grassy edges; ---; 143	Strickland & Chowdhury	1927
	---; malaria carrier; 143, 144	Faust	1926 a
<i>cinereus</i> Theobald	---; ---; 2	Bedford	1928
	---; ---; 25	Stone et al.	1959
	---; ---; 143	Puri	1928 a
	Artificial containers; Dec.; 233	Gill	1916
	---; enter houses; 270° (Margins of rivers, swamps, pools and ditches)	Russell et al.	1943
	---; ---; 270	Leeson	1948
<i>claviger</i> (Meigen)	---; ---; 3, 150, 151, 162, 342	Stone et al.	1959
	---; ---; 28. ---; bites man at night; 162°	Senevet & Andarelli	1956
	Shaded springs devoid of vegetation, mountains; ---; 35	Ivanova & Polovodova	1942 +
	Wells with salt water; ---; 35	Achundow	1935 +
	---; ---; 35*. ---; ---; 159*	Russell	1956
	Springs and swampy meadows; river, May-Aug.; 118	Nikiforova	1941 +
	Natural and artificial reservoirs, streams; ---; 118	Dzhaporidze	1937 +
	Water exposed to light; ---; 118	Shlenova	1941 +
	Rivers, wells, water holes, ground pools, swamps, artificial containers; rarely indoors, on vegetation; 150, 151, 159, 162, 256, 302, 303, 342	Logan et al.	1953 +
	Shaded spring pools, in houses; ---; 150, 151°	Macan	1950 +

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>ANOPHELES claviger</i> (Meigen) (cont.)	Shaded permanent ponds, lake margins, artificial containers; ---; 154*	Boyd	1949
	Cisterns; indoors; 154, 159°	Lumsden & Yofe	1950
	---; May-July, Oct., Nov., possible vector of malaria; 154	Garret-Jones	1962
	Areas flooded by mountain rivers; foothills; 162	Balkashina	1939 +
	---; in houses, naturally infected with malaria; 162	Vassiliev	1913 +
	---; ---; 162, 350 (Marshes, shallow rock pools and wells). ---; ---; 302. Cisterns and domestic wells; enters houses; 342*°	Russell et al.	1943
	Streams with dense algae, springs and mountain streams, depressions in sandy river shoals, pools; rarely enters houses; 166	Petrishcheva & Polyakov	1940 +
	Irrigation channels, swamps, spring water; ---; 166	Raevskii & Vinogradskaya	1934 +
	---; ---; 166°	Naumov	1940 +
	Cool, often dark wells, artificial containers, leakage from canals, quiet stream pools; bites man night and day, indoors and outdoors, all year; 174*, 302*°	Leeson	1950
	Open water reservoirs, in dark caves with algae, tunnels; ---; 256	Velichkevich	1935 +
	---; basements of inhabited houses and cellars; 256	Zaikin	1946 +
	---; in houses; 256	Raevskii	1942 +
	---; bites man in the open; 256°	Danilova	1938 +
	Caves; ---; 302	Anonymous	1944
	---; malaria carrier; 302	Roy & Brown	1954
	---; ---; 317°	Hakki	1934 +
	Ditches, flooded irrigation areas with vegetation, slow mountain streams, wells, pits and springs; enters houses, Feb., Mar., Nov., Dec.; 318	Petrishcheva	1934 +
	Wells, sun-exposed streams with dense grass, sulphur springs, in gorges, caves and burrows; Apr.- Nov.; 318	Petrishcheva	1934 a +
	Shaded brooks, swamps and ponds; bites man in woods, occasionally enters houses; 321°	Val'kh	1938 +

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>ANCPHELES</i> <i>claviger</i> Meigen (cont.)	River flood water in forests; ---; 321	Savitzhu	1941 +
	Rivers, swamp-fed springs, rice fields, drainage and irrigation ditches; ---; 326	Ulitcheva	1943 +
	Wells and cisterns; common in towns and villages; 342	Anonymous	1944 c
	Coastal swamp; ---; 342	Kirkpatrick	1925 +
	Marshes; ---; 342	Anonymous	1941 +
	Pools, pits; bites man; 345°	Markovich	1941 +
<i>costalis</i> Theobald	---; ---; 2	Christophers	1920
	---; ---; 76	Riley & Wu Liang-Yu	1932
<i>coustani</i> Laveran	Brackish wells; ---; 2	Leeson	1948
	---; ---; 154	Stone et al.	1959
	---; ---; 302	Smart	1943 +
	Marsh breeder; ---; 342	Anonymous	1941 +
	---; coastal swamps; 342	Kirkpatrick	1925 +
<i>coustani</i> var. <i>tenebrosus</i> Dönitz	Shallow swamps with vegetation; ---; 25	Boyd	1949
	---; bites man by day in shade, preferably between 6:00 and 7:00 p.m.; 25°	De Meillon	1947 +
	---; ---; 154, 233, 270	Stone et al.	1959
	---; ---; 242	Senevet & Andarelli	1956
<i>crawfordi</i> Reid	---; ---; 149, 190	Stone et al.	1959
<i>cristatus</i> King & Baisas	Rock holes formation in stream beds with shade of overhanging vegetation; ---; 242	King & Baisas	1936
<i>culicifacies</i> Giles	Wells, pools in beds of rivers; ---; 2	Christophers & Chand	1915
	Fresh or salt water, wells and garden channels; ---; 2	Buxton	1944 +
	---; 3*, 70*, 150*, 235*	Russell	1956
	Brackish water, fresh water in ditches, seepages, slow moving streams, pools, canals, river beds, fresh rain water, borrow pits, fallowed rice fields, shallow tanks and wells; in houses by day; 25°, 190°. Artificial containers; ---; 277	Farner et al.	1946 +

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>ANOPHELES culcifacies</i> Giles (cont.)	Clean water, particularly pools in dried-up river beds; ---; 25, 31	Macan	1942
	Irrigation channels of artesian wells, tanks; ---; 37	Afridi-Majid	1938 a
	Sluggish river, areas overgrown with pond weed; active by night, Feb.-March, Aug.-Sept.; 59	Macan	1948
	Canals, rocky stream pools, borrows, road puddles; mountain valleys, foothills; 59	Wilcocks	1944
	Irrigation channels; common, in houses, important carrier of malaria; 59, 143	Christophers	1916
	Artificial containers; ---; 59	Grewal	1937 +
	Shallow wells; ---; 59, 76	Boyd	1949 +
	---; March-May; 59	Lalor	1913 +
	---; ---; 59*, 144, 277 (Slow running streams, irrigation channels and seepages, pools in river beds, rain water pools, borrow pits)	Bonne-Wepster & Swellen-grebel	1953
	Clear, fresh water with aquatic vegetation, exposed to the sun; enter houses, active all night; 70°	Carter	1945
	Shaded springs among rocks and wells; ---; 70	Senior-White	1920 a
	Pools in river, sluggish streams; ---; 70. ---; suspected vector of malaria; 76, 144 (Fresh water and occasionally in brackish water, irrigation channels, sluggish streams, rice fields, borrow pits, shallow wells, pools, bites man freely, enters houses)	Covell	1944
	---; ---; 70*, 143*. Rice fields; naturally infected with malaria, May-Jan.; 76°	Chow & Balfour	1949
	---; carrier of malaria, in houses, Nov.; 70	Russell	1931
	Brackish water, streams, irrigation canals, pools; enter houses, bites at night; 76*°	Hsiao	1945
	Artificial containers, clear water in ditches, pools, streams; ---; 76	Chang	1940
	---; carrier of malaria; 76°	Feng	1938
	---; July-Sept.; 76	Yao et al.	1943
	---; ---; 122	Christophers	1933 +

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>ANOPHELES culicifacies</i> Giles (cont.)	Irrigation canals and channels, seepage borrow pits, wet fallow rice fields and ditches, rain water pools; all year, in houses, dwellings; 143	Russell & Ramachandra Rao	1941
	Swamps, ponds, tanks in valleys; possible vector of malaria; 143	Rao & Nassiruddin	1945
	Streams, artificial containers, irrigation ditches; Jan.; 143°	Strickland & Chowdhury	1927
	In muddy stagnant water, surface water, drains and rock pools; carrier of malaria; 143	McCombie Young & Bailly	1928
	Clean fresh water in irrigation channels, canal and sandy river bed pools, tanks, rain water, wells; ---; 143	Christophers	1933 +
	Hill streams; ---; 143	McCombie Young & Abdul Majid	1929
	---; experimentally infected with malaria; 143	Iyengar	1931 a
	---; experimentally infected with <i>Plasmodium vivax</i> and <i>P. falciparum</i> ; 143	Siddons	1944
	---; naturally infected with and natural vector of <i>Wuchereria malayi</i> ; 143	Raghavan	1961
	---; naturally infected with sporozoites, July-Dec.; 143	Subramanian & Dixit	1948
	Shallow wells, rocky and sandy river bed pools, artificial containers; ---; 144, 277°	Boyd	1949
	Clear sunny water; ---; 144	Monier	1933
	---; all year, in houses; 144	Raynal & Gaschen	1935
	---; Aug., Sept., possible vector of malaria; 144	Gaschen	1935
	---; naturally infected with malaria; 144*	Gaschen	1935 a
	---; ---; 150, 162, 218, 313	Stone et al.	1959
	---; ---; 190. ---; carrier of malaria; 235, 342	Roy & Brown	1954
	Borrow pits, surface water collections, shallow wells; Oct.-Mar.; 233	Gill	1916
	Fresh water wells; March-Apr.; 233, 313	Leeson	1948
	Irrigation channels with vegetation, ditches with clear water; naturally infected with malaria, common, July-Oct.; 235	Sinton	1917
	---; enters houses; 235, 270° (Fresh clean water, irrigation channels, pools, burrow pits, wells, river beds, fallow rice fields and brackish water)	Russell et al.	1943

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>ANOPHELES</i>	Clear mountain stream; ---; 277*	Wilcocks	1944 b
<i>culicifacies</i>	---		
Giles	---; in house, Aug.; 277	Barnes	1923
(cont.)	Edge of canals, small streams; ---; 349	de Mello	1938 +
<i>culicifacies</i>	Wells, pools in stream beds; ---; 2. ---; ---; 3,	Christophers	1924 a
<i>adenensis</i>	59, 70, 143, 233, 235		
Christophers	---; enters houses; 270° (Pools, irrigation ditches, sluggish streams, rice fields, burrow pits, wells, river beds, mostly in clear water)	Russell et al.	1943
	---; ---; 282, 313, 332	Stone et al.	1959
<i>culicifacies</i>			
var. <i>sergenti</i>	Pools; in tents, Aug.; 154	Barraud	1921
Theobald			
<i>culiciformis</i>	Tree holes, jungle pools; ---; 122	Christophers	1933 +
Cogill	Tree holes, jungle pools; forests; 143	Russell et al.	1943
<i>demeilloni</i>	---; ---; 2, 332	Stone et al.	1959
Evans			
<i>d'thali</i>	---; ---; 2°, 25°, 151°, 154 (River bed pools, wells, enters houses)	Boyd	1949
Patton			
	Brackish water covered with algae; ---; 2	Bailly & Choumara	1960
	---; ---; 2, 151, 233, 235, 342 (Pools, streams, springs and wells, enters houses, bites man)	Russell et al.	1943
	---; ---; 25, 31, 150 (Breeds in a wide variety of places)	Macan	1942
	Pools and hill streams; ---; 143	Roy & Brown	1954
	---; ---; 143 (Ponds, brooks with algae and grasses, nocturnal, bites man, suspected vector of malaria)	Peus	1942
	Weedy backwaters, isolated stagnant pools, rice fields; ---; 150, 151	Macan	1950 +
	---; ---; 151, 154 (Reservoirs, bites man)	Shtakelberg	1937
	Shaded stream margins, small pond with floating vegetation; ---; 159	Lumsden & Yofe	1950 +
	---; ---; 159, 174, 235, 270, 282, 302, 332	Stone et al.	1959
	Pools, volcanic rock holes, underground aqueduct, wells; ---; 233	Christophers	1933 +

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>ANOPHELES</i> <i>edwardsi</i> Yamada	Cool water; ---; 158°. ---; ---; 168	Hsiao & Bohart	1946
	---; ---; 158	King	1931
	Cool water; ---; 168°	Hsiao	1948
<i>ejercitoi</i> Mendoza	---; ---; 242	Stone et al.	1959
<i>elegans</i> (James)	---; ---; 70, 143	Stone et al.	1959
<i>elutior</i> Martini	---; ---; 162	Stone et al.	1959
<i>elutus</i> Edwards	---; ---; 35, 318*	Kumm	1929 +
	---; enters houses, March-Nov.; 118*	Roukhadze	1925 a
	---; ---; 150*	Gutzevich	1948 +
	---; ---; 151, 256, 350. ---; indoors; 317 (Malaria vector)	Martini	1929
	Stagnant waters; enters houses, March-July, Oct.,-Nov.; 154*	Kligler	1928
	Stagnant bodies of clear water with vegetation; Jan.-March; 154°	Kligler	1924
	Along shore of lake; naturally infected with malaria, May-Dec.; 154	Kligler & Mer	1931
	Reservoirs, winter wadis, seepage wadis, borrow pits, swamps, cisterns; ---; 154	Anonymous	1944 c
	---; ---; 162, 302	Stone et al.	1959
	---; carrier of malaria; 194	Roy & Brown	1954
	Rice fields; ---; 303	Martini	1928
	---; July-Aug., in plains; 317	Arar & Atamanoglu	1938
	Rice fields; ---; 317	Martini	1928 a
	Stagnant pools, shores of river, swampy areas; March-Nov., enters houses, carrier of malaria; 342*	Kligler	1930
	Stagnant, brackish swamps, sand dunes obstructing streams, pools and low-lying areas, borrow pits, seepages, wells, cisterns, reservoirs, shores with vegetation and gravel; April, May, Aug., Nov.; 342	Shapiro	1933
	---; ---; 342°	Buxton	1924 a

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>ANOPHELES</i>			
<i>errabundus</i> (Swellengrebel)	---; ---; 145	Stone et al.	1959
<i>farauti</i> Laveran	---; ---; 145*	Russell	1956
	Clear, turbid, stagnant, or rain water, lagoons, taro gardens under water, wells, animal wallows, road ruts, bomb craters, trenches, borrow pits; ---; 147	Farner et al.	1946 +
	---; ---; 147 (Natural and artificial water collections, in houses, bites man, possible vector of malaria, infected with <i>Wuchereria bancrofti</i>)	Bonne-Wepster & Swellen-grebel	1953
<i>febrifer</i> Banks	Shaded brooks, depressions of banks, wooded streams, irrigation ditches with vegetation; efficient carrier of malaria; 242°	Walker & Barber	1914
	---; experimentally infected with oocysts; 242*	Dy & Gapuz	1948
<i>filipinae</i> Manalang	In either sunny or shaded, clear or muddy water in rivers, flowing irrigation ditches, pools and lakes; possible vector of malaria; 242	Cook	1954
	Breeds among aquatic plants in spring water either slowly flowing or impounded; ---; 242	Russell & Baisas	1935
	---; naturally infected with malaria; 242	Bohart	1945
<i>flavirostris</i> (Ludlow)	Irrigation ditches, temporary streams; July-August; 242*°	Baisas	1939
	---; Nov.; 242	Ludlow	1914
<i>flerowi</i> Portschinsky	---; ---; 326	Stone et al.	1959
<i>fluviatilis</i> James	Shaded, fresh running water in drainage, irrigation canals; ---; 2. Brackish wells; ---; 270	Leeson	1948
	---; ---; 3, 77, 218, 233, 235	Stone et al.	1959
	Pools in stream beds, in slow flowing weedy rivers, swampy margins of lakes and ponds; ---; 31*	Macan	1942
	---; ---; 31, 59, 70, 139, 144, 151, 162, 277. ---; near houses under stream banks; 143 (Foothill streams, springs, irrigation channels, edges of swamps, lakes and tanks, enters houses)	Covell	1944
	Side pools of fast running irrigation channels, leaking Afridi & Majid 1938 a hydrants; ---; 37		
	Running streams and water pools in stream bed with sandy bottom; ---; 76°, 139°	Feng	1938

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>ANOPHELES</i> <i>fluviatilis</i> James (cont.)	Slow running water in irrigation channels and ditches, ground pools, rice fields; ---; 76	Chow	1949 a +
	Excavations; ---; 76	de Mello	1938 +
	---; in houses, Nov.-March; 76	Chow & Balfour	1949
	Clear water with vegetations in pits, wells, open-air reservoirs, puddles; enters houses by day; 122	de Mello & Bras De Sa	1935
	---; ---; 133	Feng	1937
	Springs, irrigation channels, rice fields, swamps, lakes, artificial containers; bites at night; 139°*, 144°*	Boyd	1949 +
	Slow flowing streams and pools with sandy bottoms; ---; 139	Hsiao	1945
	Streams, channels, trenches, wells, seepage pools, rice fields, river bed pools; enters houses at night, Jan.-May, Aug.-Dec., naturally infected with oocysts and sporozoites; 143°*	Viswanathan	1950
	Irrigation channels; vicinity of houses, Mar.-June; 143°	Adisubra- maniam & Vedamani- kkam	1943
	Artificial containers, canals, field channels, borrow pits, swamps, pools, puddles; all year, naturally infected with malaria; 143	Abraham & Samuels	1944
	Foothills; ---; 143. ---; suspected vector of malaria; 150	Russell	1956
	---; July-Dec.; 143	Subramanian & Dixit	1948
	---; ---; 144°, 162° (Foothill streams, pools, springs and irrigation channels)	Russell et al.	1943
	---; ---; 150, 151 (Streams with vegetation, in houses, Nov.-Mar.)	Macan	1950 +
	---; ---; 218	Stone et al.	1959
	---; malaria carrier; 235	Roy & Brown	1954
	Clear mountain streams; ---; 277*	Wilcocks	1944 b
<i>formosae</i> Hatori	---; ---; 77	Stone et al.	1959

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>ANOPHELES</i>			
<i>formosaensis</i> I Tsuzuki	---; ---; 77	Stone et al.	1959
<i>formosaensis</i> II (Tsuzuki)	---; ---; 77	Yamada	1925
<i>fuliginosus</i> Giles	---; June-May; 59. ---; in houses, March-Apr.; 143	Mayne	1928
	Swampy water, pools with vegetation; common in houses, experimentally and naturally infected with malaria; 59, 143	Christophers	1916
	---; ---; 70	Christophers	1921
	Rice fields, ponds, streams and river bed pools; ---; 76*	Li & Wu	1934 +
	---; enters houses, bites man at night; 76°	Yamada	1925 +
	---; carrier of malaria; 77, 143, 144	Faust	1926 a
	---; common; 77	Koidzumi	1930
	---; ---; 90	de Mello & Afonso	1921
	---; ---; 139	Toumanoff	1934
	Canal, deep permanent weedy pools; carrier of malaria, common, all year; 143	Hodgson	1914
	Artificial containers, swamps, borrow pits, pools, streams; ---; 143, 235. ---; in huts; 143. ---; Oct., Dec.; 235	Strickland & Chowdhury	1927
	Stagnant ponds and ditches; ---; 143	Iyengar	1930 a
	Rice fields; ---; 143	Fletcher	1924
	---; ---; 143*, 146*	Manson-Bahr	1959
	---; open area outside the jungle; 143*	Iyengar	1930 b
	Broad swamps with vegetation, rock pools--shaded or sunny; all year, near houses; 144	Borel	1930 a
	Small river, reedy lakes near houses; nocturnal; 144	Borel	1928
	Stagnant putrid mud puddles without vegetation; ---; 144	Toumanoff	1932
	Rock pools, tree holes; ---; 144	Borel	1926

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>ANOPHELES</i>	In stagnant water of furrows; ---; 144	Borel	1926 c
<i>fuliginosus</i>	---; in houses; 144	Toumanoff	1935 a
Giles	In a Sawah on the river; ---; 145, 146, 149	Brug	1931 a
(cont.)	---; enters houses; 190	Lamborn	1922 b
	Large swampy pools, ponds; Aug., Oct.-Apr.; 190	Lamborn	1922 a
	Grass grown tanks; rare, June-July, Sept.-Oct.; 235	Sinton	1917
	Rainwater ponds, flowing streams and river sloughs; ---; 242	Mieldazis	1930
	Rice fields, dam; ---; 242	Baisas	1931
	---; daytime resting along stream bank, Oct.-Dec.; 242	Russell	1931
	In moats and grassy pools, especially in flooded land lying fallow; March, enters houses; 277°	Barnes	1923
	Gardens, weedy canals and ponds; enters houses in the evening, Oct.-Nov.; 277	Barraud & Christophers	1931
<i>fuliginosus</i>	---; cold season; 143, 235	Christophers	1916
var. <i>adieii</i>			
James & Liston			
<i>funestus</i>	---; ---; 70	Carter	1925
Giles	Dead rivers and ponds; ---; 143. Borrow pits; ---; 235	Strickland & Chowdhury	1927
	Shaded streams and rivers; ---; 143	Ramsay	1930
	Tanks; ---; 143	Roy	1931
	---; naturally infected with malaria, Apr.-Nov.; 143. ---; all year, rarely found in houses; 242*	Manalang	1931 a
	---; ---; 190	Buxton	1923
	Permanent or temporary streams; ---; 242	Manalang	1931 c
	---; naturally infected with malaria; 242	Manalang	1931
	---; bites man at night; 242°	Manalang	1931 b
	---; April, Aug.-Oct., enters houses; 277°	Barnes	1923
<i>funestus</i>	Underground aqueducts; ---; 143	Ramsay	1930
var. <i>arabicus</i>	Underground aqueducts; Nov.-Apr.; 233	Gill	1916
Christophers			

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>ANOPHELES</i> <i>funestus</i> <i>listoni</i>	Streams; enters houses, natural vector of malaria; 59, 70, 143, 235	Christophers	1916
	Ravine stream, tank, jungle pond; Feb., April-June; 70	Senior-White	1928
	Rivers, ravines, wells, rice fields; Feb.-March, August-Sept.; 70	Senior-White	1920 a
	---; ---; 90, 94, 122, 349	de Mello & Afonso	1921
	Slightly flowing water; common, June-Oct.; 235	Sinton	1917
<i>gambiae</i> Giles	Partially exposed pool in sunlight, puddles, ponds, drains, irrigation furrows, seepages, ditches, lake and swamp edges, footprints; enters houses; 2°	Evans	1938 +
	Small natural water collections in sun, artificial containers, tree holes; enters houses; 25°	Boyd	1949 +
	Small pools under sun light; enters houses; 143*°, 270*°	Russell et al.	1943
	---; indoors by day; 190°	Wharton & Reid	1950
	Swamps, tree holes; carrier of malaria, in houses, June-Sept., Dec.-Jan.; 242*°	Russell	1934
<i>gateri</i> Baisas	Pools, hoof marks, artificial containers, gutters fully exposed to the sun; ---; 270	Macan	1942
	---; naturally infected with malaria; 313, 332	Russell	1956
	Standing or slow flowing water, with or without vegetation, preferably in sun, artificial containers; enters houses and bites man by day and in the evening; 317°	Peus	1942
	Shaded and unshaded pools of brackish water with or aquatic vegetation; ---; 242	Russell et al.	1943
	---; at high altitudes; 59, 70, 77, 143, 146	Christophers	1924
<i>gigas</i> Giles	Pools; ---; 70, 143	Christophers	1916
	Shady, swampy areas, grassy ditches; ---; 76	Kan	1941 +
	Fresh water with dense vegetation, river bed pools; ---; 76	Li & Wu	1934 +
	Shady swampy ground, grassy ditch, spring water under shade; ---; 76	Kan	1941
	---; probable vector of malaria; 76	Faust	1929 +

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>ANOPHELES</i> <i>gigas</i> Giles (cont.)	Small rocky pool; Sept.-Dec., enters houses; 143	Shortt	1924
	Fresh water springs, ponds with vegetation at edges, seepage ponds, marshy places among grass, small pools of shallow hill streams; ---; 143. ---; ---; 144, 149. Marsh in virginal forest; ---; 145	Bonne-Wepster & Swellen-grebel	1953
	Borrow pits, swamps, hill streams, rainwater and spring pools, wells; ---; 143	Russell & Jacob	1942
	Rain pools; ---; 143	Iyengar	1930 +
	---; in houses at dusk; 143	Senior-White	1922
	---; Jan.-Feb.; 143	Watson	1924
	---; ---; 190	Christophers	1921
	---; ---; 242	Dyar & Shannon	1925
<i>gigas</i> var. <i>baileyi</i> Edwards	---; ---; 31	King	1931
	---; ---; 59, 143 (Cool water pools in mountainous regions above 2,500 feet)	Hsiao	1945
	Cool water pools in mountainous regions of a high altitude above 2,500 feet; ---; 76	Feng	1938
	Shaded clear pools or ponds, open grassy streams; ---; 76	Chang	1940
	---; enters houses; 76, 143	Boyd	1949 +
	---; found at 10,000 feet above sea level; 76	Feng	1935
	In cool water pools in mountainous regions of high altitude up to 2,300 meters; ---; 77	Chow	1949 b
	Shady flowing water with vegetation; December; 144	Toumanoff	1932 a
	---; at high altitudes; 144	Lefebvre	1938
	---; ---; 144 (Small deep pools)	Bonne-Wepster & Swellen-grebel	1953
	---; ---; 366	Russell et al.	1943
<i>gigas</i> var. <i>crockeri</i> Colless	---; ---; 145	Stone et al.	1959
<i>gigas</i> var. <i>danaubento</i> Mochtar & Walandaaw	Clear stagnant water in marshes containing "Bento" grass; indoors; 149	Bonne-Wepster & Swellen-grebel	1953

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>ANOPHELES</i>	---; ---; 77, 242	Stone et al.	1959
<i>gigas</i>			
var. <i>formosus</i>	Grassy margins of pools in stream beds, shaded stream pools, in an altitude of 4,700 feet; April-May; 242	King	1931
Ludlow	Irrigation ditches, rice fields; ---; 242	Bonne-Wepster & Swellengrebel	1953
	Aquatic plants; at an elevation of 7,500 feet; 242	Russell & Baisas	1935
<i>gigas</i>	Above 5,000 feet elevation; ---; 70, 143 (Springs, ponds with vegetated margins, seepage pools, in	Russell et al.	1943
<i>gigas</i>			
Giles			
<i>gigas</i>	Fresh water springs in forest, mountain and streams, stagnant pools, swamps, jungle; in houses; 149	Bonne-Wepster & Swellengrebel	1953
var. <i>oedjajikalahensis</i>			
Nainggolan			
<i>gigas</i>			
var. <i>pantjarbatu</i>	---; ---; 149	Stone et al.	1959
Waktoedi			
<i>gigas</i>	Small stream pools, fresh water springs, vegetated and seepage ponds, marshy places among grass; occasionally enters houses; 70	Boyd	1949 +
var. <i>refutans</i>			
Alcock	Drains; ---; 70°	D'Abrera	1944
<i>gigas</i>	---; ---; 59, 235	Christophers	1924
var. <i>simlensis</i>	---; ---; 70	Stone et al.	1959
(James)	Cool water mountain pools; ---; 76	Feng	1938 +
	Ponds with vegetation, seepages, marshy areas, stream pools; ---; 143	Boyd	1949 +
	Artificial containers, fallow rice fields, swamps, hillstreams, rainwater and spring pools, tanks, wells; ---, 143	Russell & Jacob	1942
	---; jungles, rainy season; 143	Iyengar	1930 b
<i>gigas</i>	---; ---; 145	McArthur	1950 +
var. <i>sumatrana</i>	Rice fields, altitude of 4,550 feet; rarely in houses; 149	Russell et al.	1943
Swellengrebel & Rodenwaldt	---; ---; 242	Smart	1943
<i>gigas</i>			
var. <i>udjajikalah</i>	---; ---; 149	Stone et al.	1959
Waktoedi			

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>ANOPHELES habibi</i>	---; ---; 143	Puri	1936
Mulligan & Puri	Small irrigation channels; ---; 235	Russell et al.	1943
<i>hackeri</i> Edwards	---; ---; 145, 149, 190 (Dead, hollow and split bamboos under shade, nipah swamps)	Bonne-Wepster & Swellen-grebel	1953
<i>hamabusai</i> Yamada	---; ---; 77	Yamada	1925 a
<i>hatorii</i> Koidzumi	Streams, pools; in houses; 76	Yamada	1925 +
	---; ---; 77	Koidzumi	1930
<i>hispaniola</i> Theobald	Clear, shallow, slow or rapid water with <i>Spirogyra</i> , swamps, water holes, artificial containers, ground pools, outdoors; ---; 159°	Logan et al.	1953
	Sunlit or partly shaded streams, springs, ditches, seepages; ---; 159°	Lumsden & Yofe	1950
<i>hunteri</i> (Strickland)	---; ---; 149, 190 (Clear water in jungle, indoors)	Bonne-Wepster & Swellen-grebel	1953
	Pools, swamps and stream beds in the jungle; ---; 190	Russell et al.	1943
	---; June, Sept.; 190. ---; pools; 280	Strickland	1916
<i>hyrcanus</i> Pallas	---; ---; 28, 118, 143, 158, 256, 321, 345 (Reservoirs, rice fields, bites man)	Shtakelberg	1937
	Marshes, rice fields; ---; 31	Macan	1942
	Still water with vegetation, reservoirs, rice plots, plains; ---; 35	Ivanova & Polovodova	1942
	Shell craters, rice fields, forests; Aug.-Oct., enter houses; 59°	Macan	1948
	---; ---; 59 (Lake pools with vegetation and growths of brown alga)	Jones	1949
	---; naturally infected with filaria, Sept., Oct., Dec. and Feb.; 70	Carter	1948
	---; naturally infected with malaria; 70, 190. ---; malaria carrier; 337	Hindle & Chow	1929
	---; occasionally carries malaria; 70	Carter	1945
	Drains, swamps, wells, seepages, artificial containers; experimentally infected with malaria; 76, 77, 168, 190	Gater	1934
	Ponds, pools and streams; July-Aug.; 76	Chung & Lin	1931

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>ANOPHELES hyrcanus Pallas (cont.)</i>	Rice fields, stagnant and foul water in swamps; ---; 76, 158	Lamborn	1922
	---; possible malaria carrier; 76, 158	Lamborn	1922 b
	---; in houses; 76°	Feng	1932
	---; ---; 76*	Toumanoff	1935
	---; ---; 76*. ---; naturally infected with malaria; 139, 194	Feng	1935
	---; ---; 76, 77, 143, 150, 158, 162, 190, 242, 337 (Shallow standing waters with vegetation, swamps, lagoons, edges of ponds, ditches, rice fields, seldom in houses, bites man day and night)	Peus	1942
	Swamps, natural and artificial reservoirs, streams; ---; 118	Dzhaparidze	1937
	Hill streams, irrigation ditches, rice fields; intermediate host of <i>Wuchereria bancrofti</i> ; 139	Jackson	1951
	---; naturally infected with malaria, all year; 139	Feng	1937
	---; experimentally infected with <i>W. bancrofti</i> ; 139*	Jackson	1938 c +
	---; enters houses at night; 139°	Jackson	1938 a
	Rice fields; all year, in houses; 143	Russell & Ramachandra Rao	1941
	Tanks, ponds, pools, borrow pits with aquatic vegetation; ---; 143	Panigrahi	1942
	Field channels, wells, swamps; ---; 143	Abraham & Samuels	1944
	---; experimentally infected with <i>W. bancrofti</i> ; 144	Galliard	1936 +
	---; July-February; 144	Treillard	1932
	Swamps with much vegetation; enters houses, bites man; 145*	Lee & Woodhill	1944 +
	---; ---; 145	Kariadi	1938
	Canals and rice fields; ---; 146*. Swamps; ---; 149	Wilcocks	1944 d
	Marshes, rice fields; ---; 147, 158	Boyd	1949 +
	Flooded areas among reeds, shaded irrigation channels, reed beds; rarely indoors, bites at night; 150°, 151°	Macan	1950 +
	Rivers, swamps; ---; 150*	Gutzevich	1948 +

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>ANOPHELES hyrcanus Pallas (cont.)</i>	In patches of green algae; ---; 154	Euxton	1922
	Marshes; ---; 154, 159	Barraud	1921
	Marshes, ditches, seepages; bites man in marshes; 159°	Lumsden & Yofe	1950 +
	Shallow, standing water with vegetation, swamps, delta formations lake banks, ditches and rice fields; bites man outdoors day and night; 162°	Peus	1942 +
	---; in desert, rare in foothills; 162	Balkashina	1939
	Rice fields; enters houses; 166°	Petrishcheva	1940
	---; cottage roof; 168	Hsiao	1948
	Irrigation channels, swampy areas; ---; 174, 302	Leeson	1950 +
	Paddy fields, swampy pools, ponds; Oct.-April; 190	Lamborn	1922 a
	---; bites man in the open, in houses; 190°	Wharton	1953
	---; May-July; 190	Kingsbury	1933
	Ponds, ditches, marshes; carrier of malaria; 194	Feng	1937
	---; ---; 218	Puri	1948
	---; ---; 235	Iyengar	1944
	Rice fields, dam; ---; 242	Baisas	1931
	Ponds; ---; 242	Mieldazis	1930
	Swamps, borrow pits, streams, artificial containers; ---; 256°	Gutzevich	1937
	Muddy ponds with vegetation; ---; 256	Lomeiko	1942
	Rice fields, irrigation ditches; ---; 256	Zvyagintzev	1939
	---; enters houses; 256	Plyater-Plokhotskaya	1939
	Dense cover of weeds; ---; 277	Causey	1937
	---; ---; 280	Kumm	1929
	Rice fields, swamps, seepages; ---; 303	Glagoleva	1947
	---; carrier of malaria; 317	Anonymous	1944
	---; active after sunset; 317	Noyan	1951
	---; in trains, July and Aug.; 317	Arar & Atamanoglu	1938

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY, DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>ANOPHELES</i>	Irrigation systems; ---; 318	Petrishcheva	1931
<i>hyrcanus</i>	---; ---; 318°	Mitrofanova	1941
Pallas	Rice fields, lakes, shallow rivers with vegetation; ---; 321	Goritzkaya	1939
(cont.)	---; bites man during day; 321°	Pazhitnova	1935
	---; enters house: 321	Yatzenko	1926
	Rivers, springs, drainage and irrigation ditches, rice fields, warm shallow creeks with vegetation; May-Sept.; 326	Ulicheva	1943
	Swamps; ---; 326	Kazantzev	1932
	Stagnant water, low-lying areas, burrow pits, seepage areas and high ground water areas with puddles and vertical vegetation; ---; 342	Shapiro	1933
	Swamps covered with vegetation, small river bank pools; ---; 342	Saliternik	1933
	---; all year; 342	Stuart	1933
	Rice fields, swamps, brackish water; ---; 345	Zaitzev	1934
<i>hyrcanus</i>	---; ---; 146	Christophers	1924 b
var. <i>argyropus</i>			
Swellengrebel			
<i>hyrcanus</i>	Springs, along lake margins, slow-flowing canals;	Bohart	1945
<i>lesteri</i>	---; highlands; 242	Baisas & Hu	1936
Baisas & Hu			
<i>hyrcanus</i>	---; ---; 303	Keshish'yan	1941 +
<i>mairmuti</i>	---; ---; 350	Martini	1930
Martini			
<i>hyrcanus</i>	---; ---; 345	Martini	1930
<i>marzinowskii</i>			
Shingarew			
<i>hyrcanus</i>	Tree holes with decomposed vegetation; ---; 118	Kalandadze & Tairova	1939
var. <i>mesopotamiae</i>	---; ---; 151	Christophers & Shortt	1921 b
Christophers & Chand	---; ---; 162	Shingarev	1926 +
	---; ---; 303	Latuishev	1929 +
	---; ---; 326	Khodukin	1927

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>ANOPHELES</i> <i>hyrcanus</i> var. <i>nigerrimus</i> Giles	---; ---; 59, 70 (Rice fields, stagnant vegetated canals, impounded water areas, borrow pits, lakes, streams)	Russell et al.	1943
	---; ---; 70*, 143*. ---; naturally infected with <i>Wuchereria bancrofti</i> ; 190	Manson- Bahr	1959
	Rice fields, ponds or pools with vegetation, swamps, irrigation channels; enters houses; 76°	Chang	1940
	Still water, river bed pools with heavy vegetation, rain water pools; ---; 76*	Li & Wu	1934 +
	---; ---; 76*, 143*, 144*, 158*, 190*, 337*	Geigy & Herbig	1955
	River, rice field; ---; 122	de Mello & Bras de Sa	1935
	---; ---; 133, 139	Feng	1937
	Rice fields, irrigation channels, hill streams, spring pools, tanks and wells; ---; 143	Russell & Jacob	1942
	Stagnant ponds and ditches; ---; 143	Iyengar	1930
	Surface wells and springs; ---; 143	McCombie Young & Bailly	1928
	---; all year; 143	Iyengar	1932
	---; ---; 143, 144, 190, 242, 277. ---; naturally infected with malaria; 146, 149 (Rice fields, swamps, tanks with much vegetation, borrow pits, edges of slow moving streams, rarely in houses, bites in evening and in shade during day)	Covell	1944
	Clear water, stagnant or free flowing, with vegetation; enters houses; 144	Borel	1930 a
	In grassy streams and pools; November-April; 144	Borel	1926
	Stagnant pools; ---; 144	Toumanoff	1932
	---; May, June, naturally infected with malaria; 144	Gaschen	1936
	Pools, buffalo wallows; enters houses; 145	Colless	1948
	---; possible vector of malaria; 145	McArthur	1950
	---; possible vector of malaria; 149	Roy & Brown	1954
	Swamps; ---; 190°	Hodgkin & Johnston	1935
	---; possible malaria carrier; 190. Grassy pools, irrigation ditches, rice or forage paddies; common, July-Sept.; 242	Balsas & Hu	1936

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>ANOPHELES</i> <i>hyrcanus</i>	---; stables, naturally infected with malaria, Jan.-April; 190	Kingsbury	1932
var. <i>nigerrimus</i> Giles (cont.)	---; experimentally infected with <i>Plasmodium falciparum</i> and <i>P. vivax</i> ; 190	Green	1935
	---; April-Dec.; 190	Kingsbury	1931
	Dams, rice fields; Sept.-Oct.; 242	Baisas	1931
	Stagnant vegetated canals and impounded water; ---; 242	Russell & Baisas	1935
	Open and closed ditches, rice fields; in houses; 277	Causey	1937
	Grassy portions of flooded fallow land; common; 277	Barraud & Christophers	1931
<i>hyrcanus</i> <i>peditaeniatus</i> Leicester	Rice fields, swamp with vegetation; enters houses; 149	Farner	1943
	---; ---; 190	Brug & Edwards	1931
	---; ---; 242	Edwards	1929
<i>hyrcanus</i> <i>pictus</i> Loew	---; ---; 342	Edwards	1929 a +
<i>hyrcanus</i> <i>popovi</i> Schingarev	---; ---; 162	Martini	1930
<i>hyrcanus</i> <i>pseudopictus</i> Grassi	Rice fields; ---; 28	Ananyan	1929
	---; ---; 144	Koun	1926
	Rice fields, swamps; enters houses; 146, 147°	Farner	1943 +
	---; ---; 162, 317	Smart	1943 +
	Irrigation ditches and flooded meadows; ---; 166	Raevskii & Vinogradskaya	1934
	River floods, irrigation ditches; ---; 256*	Terdschanian	1929 +
	Flooded estuaries of rivers; ---; 256	Danilova & Lappen	1937
	---; enters houses; 256	Shipitzuina	1934
	---; ---; 303	Latuishev	1929
	Lakes, streams, swamps with dense vegetation; ---; 318	Petrishcheva	1936 +

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>ANOPHELES</i>	---		
<i>hyrcanus</i>	---; common, rarely in houses; 321	Goritzkaya	1938
<i>pseudopictus</i>	---; ---; 321°	Dolbeshkin	1928 +
Grassi (cont.)	Ditches with saline water; experimentally infected with malaria; 326	Lisova	1932
	Rice fields; ---; 326	Pazhitnova	1929
	---; enters houses; 326°	Lisova & Eskin	1932
	---; ---; 342, 350	Senevet & Andarelli	1956
	Swamps, rice fields, brackish water; ---; 345*	Zaitzev	1934
<i>hyrcanus</i>	Large bodies of water with vegetation, lakes and ponds; ---; 242	Baisas & Hu	1936
<i>pseudosinensis</i> Baisas			
<i>hyrcanus</i> var. <i>sinensis</i> Wiedemann	Open or grass covered stagnant water, swamps, ponds, lakes, wells, drains and ditches and in the water of rice fields; ---; 59*	Wilcocks	1944
	Ponds, pools, ditches, marshes, lakes; naturally infected with malaria, experimentally infected with <i>Plasmodium malariae</i> , <i>P. vivax</i> and <i>P. falciparum</i> , all year; 76. ---; naturally infected with malaria, all year; 139. Ponds, ditches, marshes; naturally infected with malaria, experimentally infected with <i>P. vivax</i> ; 194. ---; carrier of malaria; 210	Feng	1937
	Rivers, drains; possible intermediate host of <i>Wuchereria malayi</i> ; 76. ---; naturally infected with <i>W. bancrofti</i> , possible vector of filariasis; 139 ---; naturally infected with <i>W. bancrofti</i> , possible intermediate host of <i>W. malayi</i> ; 144. ---; possible intermediate host for the transmission of <i>W. malayi</i> ; 337	Hsiao	1945
	Ground water, artificial containers; enters houses; 76**°. ---; ---; 194°	Hsiao	1946
	Rice paddies and grassy ditches; bites at night; 76°	Meng	1943
	Manure pits with rain water; ---; 76	Crook	1939 +
	---; experimentally infected with <i>P. vivax</i> , <i>P. malariae</i> , <i>P. falciparum</i> ; 76*, 133	Feng	1935

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
ANOPHELES hyrcanus var. sinensis Wiedemann (cont.)	---; natural and experimental vector of <i>W. bancrofti</i> ; 76	Raghavan	1961
	---; possible vector of malaria; 76	Toumanoff & Hu	1935
	---; possible vector of <i>W. malayi</i> ; 76	Behart	1946
	Still and running water, in rice fields; common, possible vector of malaria; 77	Chow	1949 b
	---; in plains along rivers and lakes, carrier of <i>P. vivax</i> ; 77*, 168 Ponds, temporary and permanent pools, marshes, rice fields, water reservoirs, ditches, artificial containers; enters houses, carrier of <i>P. vivax</i> , in plains along rivers and lakes, June-Oct.; 158*°	Yamada	1925
	---; enters houses; 77°. ---; naturally infected with malaria; 144, 149 (Rice fields, swamps, tanks with vegetation, borrow pits, edges of slow moving streams). ---; ---; 145, 146	Covell	1944
	---; ---; 77, 143, 168 (Stagnant water in rice fields, pools, swamps and ponds, along shores of streams and lakes)	Russell et al.	1943
	Stagnant water with vegetation, sluggish streams; malaria carrier; 139	Jackson	1938
	Mountain streams; ---; 139. Fresh and saline water; potential carrier of malaria; 190. In high lands of considerable elevation; ---; 242. ---; ---; 280	Baisas & Hu	1936
	---; ---; 139*, 158*	Manson-Bahr	1959
	Swamps, irrigation canals, rice fields; ---; 144	Wilcocks	1944 c
	Stagnant water with vegetation; ---; 144	Borel	1930 a
	---; naturally infected with malaria; 144. ---; ---; 337*	Toumanoff & Canet	1940
	---; experimentally infected with <i>W. bancrofti</i> and <i>W. malayi</i> , experimental transmission of <i>W. malayi</i> , probable vector of Filariasis; 144	Galliard	1938
	---; all year, in houses; 144	Raynal & Gaschen	1935
	---; ---; 144*	Gaschen	1936
	---; ---; 144°	Toumanoff	1935 a

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>ANOPHELES</i> <i>hyrcanus</i> var. <i>sivensis</i> Wiedemann (cont.)	---; naturally infected with <i>W. malayi</i> ; 146. ---; naturally infected and carrier of <i>W. malayi</i> ; 190	Hu	1940
	---; ---; 146°	Hu & Yu	1937
	---; carrier of malaria; 149, 158, 168	Roy & Brown	1954
	Rice fields, slow streams, ground pools; ---; 158°	Sasa & Sabin	1950
	---; naturally infected with <i>W. bancrofti</i> ; 158	Yamada & Komori	1927
	---; experimentally infected with <i>W. bancrofti</i> ; 158	Yamada	1928
	---; experimental transmission of Japanese "B" encephalitis; 158	Mitamura et al.	1950
	---; indoors, May-Aug.; 158	Mitamura & Kitaoka	1950
	Rice paddies, ponds, swamps, lakes, ditches, streams and large tanks; enters houses, night biter, vector of malaria, possible vector of filariasis, possible vector of Japanese "B" encephalitis; 168*°	Barnett & Toshioka	1951
	Swamps, streams; carrier of malaria, all year; 190°	Hodgkin & Johnston	1935
	---; experimentally infected with <i>P. falciparum</i> ; 190	Green	1935
	---; experimentally infected with <i>P. vivax</i> ; 190	Kingsbury	1932
	Stagnant pools, lakes, rice fields; bites at night and rarely during day; 194°	Anonymous	1946
	Spring with vegetation, lakes; May and Aug.; 242	Baisas	1931
	---; Oct. to Dec.; 242	Russell	1931
	---; ---; 317	Sabit	1927 +
	Marshes; April-June; 342	Anonymous	1944 c
	Stagnant marsh, small sluggish streams; ---; 342	Jerusalem	1941 +
	---; ---; 342°	Kligler	1930 +
<i>hyrcanus</i> var. <i>sineroides</i> Yamada	---; ---; 76	Faust	1926
<i>hyrcanus</i> <i>vanus</i> Theobald	---; ---; 151	Christophers & Shortt	1921 b

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>ANOPHELES</i> <i>hyrcanus</i> <i>williamseni</i> Baisas & Hu	Slow moving stream margins, rice fields, swamps, artificial containers, borrow pits; enters houses, bites man by night and by day in shade, naturally infected with malaria; 145°, 146°, 149°, 190°	Boyd	1949 +
	---; ---; 190	Baisas & Hu	1936
<i>immaculatus</i> Theobald	---; ---; 143	Christophers	1916
	---; ---; 146, 149	Brug & Edwards	1931
<i>indefinitus</i> (Ludlow)	---; ---; 77	Morishita	1936
	---; ---; 139	Anonymous	1915
	Ponds; ---; 242	King & del Rosario	1935
<i>indiensis</i> Theobald	---; ---; 59, 143, 144, 145, 146, 149, 190, 277	Bonne-Wepster & Swellengrebel	1953
	---; ---; 77	Koidzumi	1927 +
	---; ---; 139	Anonymous	1915
<i>insulaeflorum</i> (Swellengrebel & Swellengrebel-de Graaf)	Small streams; ---; 70	D'Abrera	1944
	---; ---; 70, 77, 143, 146, 147 (Shaded forest streams, among debris floating in stagnant water)	Russell et al.	1943
	In forest in sun and shade; ---; 143	Boyd	1949 +
	---; Feb., Sept.; 143	Puri	1930
	---; ---; 145	Bonne-Wepster	1953
	---; ---; 149, 190, 337. Shaded streams; ---; 158	Hsiao & Bohart	1946
	Quiet, shaded forest streams and among debris with stagnant water; ---; 242	Russell & Baisas	1935
<i>intermedius</i> Schingarev	---; ---; 256	Stone et al.	1959
<i>jamesii</i> Theobald	Lakes and grassy ponds; ---; 59	Christophers	1933 +
	---; ---; 59, 143, 144. (Pools in river beds, rice fields, springs, seepage pools, tanks, in houses)	Boyd	1949
	---; ---; 59 (Lake pools with vegetation and growths of brown algae)	Jones	1949
	Grass-edged streams in deep shade, sunlit rivers; March-Apr.; 70	Senior-White	1920

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>ANOPHELES jamesii Theobald (cont.)</i>	---; ---; 70, 76 (River beds, rice fields, seepage pools with grassy margins, artificial containers, enters houses)	Russell et al.	1943
	---; ---; 70, 143 (Ditches, ponds and tanks with vegetation)	Roy & Brown	1954
	On shores of river, ponds, water holes: March, Oct., dry season and at end of rainy season; 122	de Mello & Bras de Sa	1935
	---; ---; 133, 139, 144. Ponds and rain pools; ---; 76	Hsiao	1945
	Swamps; Sept.-Oct., Dec.; 143	Abraham & Samuels	1944
	Small muddy puddles; in houses; 143, 235	Strickland & Chowdhury	1927
	In tanks with masses of floating algae; April-June; 143	Sen	1941
	Growing rice fields, irrigation channels, swamps, hill streams, rain water and spring pools, tanks and wells; ---; 143	Russell & Jacob	1942
	Streams outside the jungle; ---; 143	Iyengar	1930 b
	---; experimentally infected with <i>Plasmodium falciparum</i> ; 143	Iyengar	1933
	---; Jan.-May; 143	Russell & Ramachandra Rao	1941
	---; ---; 143, 144 (Lakes and grassy rain pools and ponds, pools in river beds, springs, surface well, enters houses)	Bonne-Wepster & Swellengrebel	1953
	Rock pools with vegetation; ---; 144	Borel	1927 a
	---; ---; 146	Swellengrebel	1920 +
	Large, grassy swamp; in houses; 277°	Barnes	1923
	---; Aug.-Nov.; 277	Barnes	1923 a
<i>jekafi Patton</i>	---; ---; 349	de Mello & Afonso	1921
	---; ---; 2	Stone et al.	1959
<i>jeyporiensis James</i>	Grassy river margins, rice fields, drains, mountain valleys, foothills; carrier of malaria; 59	Wilcocks	1944
	Forest pools; enter houses at night; 59°	Macan	1948

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>ANOPHELES</i>	---; Apr., May; 59*	Macan	1950 a
<i>jeyporiensis</i>	---		
James	---; ---; 59, 143, 366 (Streams, rice fields, marshy edges of streams, lakes and ponds). ---; naturally infected with malaria; 143	Covell	1944
(cont.)	---		
	---; ---; 70	Senior-White	1925
	Hilly streams, seepage water from hill; naturally infected with malaria; 76	Feng	1937
	Open slow-flowing water, river margins, streams with grassy edges, drains, drainage channels, rice fields; ---; 76*	Robertson	1940
	---; at 1,700 elevation; 76, 144 (Bites at night)	Gaschen	1935 a
	---; in houses, all year; 76°	Chow & Balfour	1949
	---; infected with oocysts; 76	Feng	1932
	Rice fields, pools with rice stubble; important malaria carrier, naturally infected with <i>Wuchereria bancrofti</i> ; 139	Jackson	1938
	Slow flowing streams, pools with vegetation; ---; 139	Li & Wu	1934 +
	---; in huts; 139°	Jackson	1938 a
	---; naturally infected with malaria; 139	Feng	1935
	---; ---; 139*	Russell	1956
	Fallow and growing rice fields, field and irrigation channels, swamps, hill streams, rain water and spring pools, tanks and wells; in houses; 143	Russell & Jacob	1942
	Streams, grassy lake margins; bites indoors and in open at dusk, suspected vector of malaria; 143°	Bonne-Wepster & Swellen-grebel	1953
	---; common, March-April; 143	Young & Majid	1929
	---; Oct.; 143	Perry	1914
	Streams; carrier of filaria; 144	Wilcocks	1944 c
	---; all year, in houses, naturally infected with malaria; 144°	Raynal & Gaschen	1935
	---; at the beginning of the rain season, rare; 144*	Toumanoff & Canet	1940
	---; ---; 144*	Raghavan	1961

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>ANOPHELES</i> <i>jeyporiensis</i> var. <i>candidiensis</i> Koidzumi	Running water in ditches; ---; 59, 143, 144	Russell et al.	1943
	---; suspected vector of malaria; 59. ---; naturally infected with malaria; 143. ---; naturally infected with malaria, enters houses; 144°. ---; ---; 59, 77, 143, 144, 366 (River margins, streams, ditches, swamps, rice fields, seepage outcrop)	Covell	1944
	---; Aug.-Oct., marshy forest areas, active by night, indoors at night; 59	Macan	1948
	---; naturally infected with malaria; 59*, 76*, 143*, 144*	Boyd	1949
	---; ---; 59, 77, 143 (In running water in grassy drains, naturally infected with malaria)	Bonne-Wepster & Swellen- grebel	1953
	Swamps formed from seepage water draining from the sides of hills and slopes; ---; 76*°. ---; naturally infected with malaria; 139	Feng	1935
	Streams, irrigation channels, pools and ponds, swamps, rice fields; enters houses; 76	Chang	1940
	Hilly streams; carrier of malaria; 76, 133, 139	Feng	1937
	---; natural carrier of malaria, July-Dec.; 76	Yao et al.	1943
	Seepage water and ditches; ---; 77	Chow	1949 b
	---; ---; 133. Shallow grassy streams and irrigation ditches; probable vector of filariasis; 76°. ---; naturally infected with <i>Wuchereria bancrofti</i> ; 139	Hsiao	1945
	Hill streams, irrigation ditches, rice cultivation and flooded fallow fields; in buildings, malaria carrier, May-Oct.; 139	Jackson	1951
	Swamps; ---; 139	Burke	1937 +
	---; naturally infected with <i>W. bancrofti</i> ; 139*	Manson- Bahr	1959
	---; Apr.-Dec., abundant in morning; 139	Jackson	1936
	---; ---; 139*	Raghavan	1961
	---; carrier of malaria; 144, 277. ---; ---; 235*	Roy & Brown	1954
	---; naturally infected with filaria; 144	Farner et al.	1946 +
	---; ---; 235 (Possible vector of malaria)	Senior-White	1948

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>ANOPHELES</i> <i>jeyporiensis</i> <i>jeyporiensis</i> James	---; ---; 143, 144 (Streams, marshy edges of lakes, ponds and rice fields). ---; enters houses, naturally infected with malaria; 143°. ---; in houses; 144°	Russell et al.	1943
<i>karwari</i> James	Hill-foot seepages, marshy bottoms between hillocks; Oct. and Nov.; 59	Macan	1950 a
	---; enters houses; 59°, 70°, 76°, 145° (Shaded streams, springs, pools, drains, seepages, swamps)	Russell et al.	1943
	---; ---; 59, 70, 143, 190, 366 (Clear shaded streams, spring pools, drains, seepages, swamps, enters houses, feeds on humans). Seepage pools; ---; 143. Pools; suspected vector of malaria; 190	Covell	1944
	Rock springs; ---; 70	Senior-White	1920 a
	---; ---; 70, 143, 366 (Ravines)	Roy & Brown	1954
	Pools in rocky streams, river and torrent beds, seepages, springs, below reservoirs; ---; 76	Robertson	1940
	Mountain streams, drains, pools in beds of streams or rivers; ---; 76	Chang	1940
	Ponds, pools, slowly flowing streams; ---; 76. ---; ---; 133. ---; naturally infected with malaria; 190	Hsiac	1945
	---; ---; 76, 143, 144, 145, 149, 190, 242, 277 (In little streams, springs, seepage water along streams and irrigation canals, rice fields, in houses, experimentally infected with <i>Plasmodium falciparum</i>)	Bonne-Wepster & Swollen- grebel	1953
	---; Feb., June; 122	James	1904
	Clear shaded streams, spring pools; enters houses; 139°	Simmons & Aitkens	1942 +
	Swamps, streams, abandoned rice fields, ditches; rare; 139	Jackson	1938
	---; naturally infected with malaria; all year; 139	Feng	1937
	---; experimental transmission of malaria; 139	Li & Wu	1934 +
	Grassy pools or seepage water, exposed to the sun or lightly shaded, seepages bordering paddie fields; ---; 143. ---; ---; 145	Colless	1948
	Jungle streams; ---; 143	McCombie Young & Bailly	1928
	---; Aug.-Sept.; 143	Strickland & Chowdhury	1930

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>ANOPHELES</i>	---		
<i>karwari</i>	---; in houses; 143	Russell & Jacob	1942
James	---		
(cont.)	---; Oct.; 143	Perry	1914
	Swamps, bogs, streams with grassy margins; ---; 144, 190	Toumanoff	1932
	---; all year, in houses; 144	Raynal & Gaschen	1935
	---; ---; 146	Swellen-grebel	1920 +
	Grassy pools, wheel ruts in bogs; ---; 149, 242	Boyd	1949 +
	Contaminated water at the edge of a running stream; ---; 190	Smart	1914
	Drains with vegetation, weed tanks, ---; 190	Christophers	1933 +
	Small open pools; ---; 190	Lamborn	1922 a
	Swamps; ---; 190	Hodgkin et al.	1935
	---; experimentally infected with <i>P. falciparum</i> and <i>P. vivax</i> ; 190	Green	1935
	---; in houses; 190°	Wharton	1953
	---; May-June, Aug.-Nov.; 190	Kingsbury	1931
	---; Jan., March; 190	Kingsbury	1932
	---; Apr., Jul.; 190	Kingsbury	1933
	---; springs and clear shaded streams, ditches, seepage pools and swamps; experimentally infected with malaria; 242	Bohart	1945
	---; enters houses, May; 277°	Barnes	1923
	---; at 2,500 feet elevation; 277	Barraud & Christophers	1931
<i>kinoshitai</i>	---; ---; 77	Stone et al.	1959
Koidzumi			
<i>koochi</i>	Standing water between furrows; ---; 59. ---; ---; 76, 77, 145, 147, 242, 277, 366. ---; naturally infected with malaria; 143, 149. ---; enters houses at night, naturally infected with malaria; 144. Buffalo wallows, wheel tracks, sewage drains; ---; 190. ---; suspected vector of malaria, naturally infected with malaria; 337 (Small muddy pools, rice fields, streams, irrigation channels, enters houses, bites man)	Covell	1944
D'Unitz			

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>ANOPHELES kochi Dönitz (cont.)</i>	Artificial containers, irrigation ditches, in sun or shade; ---; 59, 76, 144, 146°, 147°, 242, 277	Simmons	1942 +
	In pools freshly formed, often muddy rain pools; ---; 59, 143	Christophers	1916
	---; Feb., Mar., Aug.-Dec., active by day and night; 59	Macan	1948
	---; ---; 59, 76, 143, 144, 145, 146, 147, 149, 190, 242, 277. ---; naturally infected with malaria; 337 (Small shallow muddy collections of water, in houses, bites man)	Bonne-Wepster & Swellengrebel	1953
	---; bites man outdoors; 59°	Macan	1950 a
	---; ---; 59, 143, 337 (Ground pools)	Roy & Brown	1954
	Rice fields, shallow rain-filled excavations; enters houses; 76	Chang	1940
	Buffalo wallows, hoof prints, road ruts; ---; 76, 144, 242	Farner et al.	1946 +
	Borrow pits; ---; 76	Robertson	1940
	---; in houses, Oct., Nov.; 76	Chow & Balfour	1949
	---; ---; 77, 158	Yamada	1925 +
	---; ---; 133, 139 (Rice fields, muddy rain water pools)	Hsiao	1945
	Buffalo wallows; enters houses; 143, 146	Christophers	1933 +
	Temporary pools; ---; 143. Borrow pits; ---; 235	Strickland & Chowdhury	1927
	---; naturally infected with malaria; 143°	Ramsay	1930 a
	Small shallow ponds without vegetation; common; 144	Borel	1926 c
	Small, sunny, muddy grassless pools; ---; 144*	Borel	1930 a
	In brooks; ---; 144	Borel	1926 b
	---; enters houses at night; 144, 277	Boyd	1949 +
	---; naturally infected with malaria; 144	Morin & Mesnard	1931
	---; all year, in houses; 144	Raynal & Gaschen	1935
	Pools, buffalo wallows, seepages open to sun or slightly shaded, swamps with tall grass, sedge, artificial containers; ---; 145. Almost any collection of water not subject to heavy shade, drains, buffalo wallows, paddy fields, seepages, and empty tins; ---; 149	Colless	1948

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>ANOFHELES</i>	Fishpond; ---; 145, 146, 147, 149	Brug	1931 b
<i>kochi</i>	---		
Dönitz	---; in houses, all year; 145	Roper	1914
(cont.)	All types of fresh water; ---; 147	Lee & Woodhill	1944 +
	Stagnant water; Sept.-Dec., naturally infected with malaria; 149	Doorenbos	1931
	---; March; 149	Stanton	1915
	Pond; all year; 190	Hacker	1923
	Permanent collection of water; carrier of malaria; 190	Green & Gater	1931
	Swamps; ---; 190	Hodgkin et al.	1935
	---; experimentally infected with <i>Plasmodium falciparum</i> and <i>P. vivax</i> ; 190	Kingsbury	1932
	---; experimentally infected with <i>P. malariae</i> ; 190	Green	1935
	---; enters houses; 190	Lamborn	1922 b
	---; ---; 190*	Geigy & Herbig	1955
	---; ---; 190°	Wharton	1953
	Cut bamboo, artificial containers, small, open collections of water; naturally and experimentally infected with malaria; 242	Bohart	1945
	Wells, stream banks; Oct.-Dec.; 242	Russell	1931
	Rice field in the shade, exposed puddles; ---; 242	Bick	1949
	---; naturally infected with oocysts; 242	Dy & Gapuz	1948
	---; enters houses, August; 277°	Barnes	1923
	---; rare; 277	Causey	1937
<i>kolambuganensis</i>	Breeds in streams within virgin forest; rare; 242	Russell & Baisas	1935
Baisas			
<i>koliensis</i>	---; enters houses, bites man at night; 145°	Boyd	1949
Owens			
<i>koreicus</i>	Ponds, marshes, muddy shaded pools, streams; adults bite at night; 76°, 158°, 168°	Hsiao	1948
Yamada & Watanabe			

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>ANOPHELES</i>	Cool spring pools; ---; 76	Hsiao	1945
<i>koreicus</i>	---		
Yamada & Watanabe (cont.)	---; ---; 158. ---; rare; 168	Yamada	1925
	Ground pools, roadside ditches, stream margins; enters houses; 168	Barnett & Toshioka	1951
<i>lewis</i>	Fresh water ground pools, tanks; ---; 158. ---; ---; 168	La Casse & Yamaguti	1950
<i>edwardsi</i>	---		
Yamada	---; in houses; 158	Hsiao	1948
	Cool water; bites readily after dark; 158°	Hsiao & Bohart	1946
<i>koreicus</i>			
var. <i>hinnoe</i>	---; ---; 158	Stone et al.	1959
Tsuchimoto			
<i>koreicus</i>	Rainpools, ditches, margins of slow moving streams; ---; 158	La Casse & Yamaguti	1950
<i>koreicus</i>			
Yamada & Watanabe			
<i>kwaiyangensis</i>	Ground pools; ---; 76	Chow	1949 a +
Yao & Wu			
<i>kyondawensis</i>	Small shady pools along streams, in jungle; ---; 59	Boyd	1949
Abraham			
<i>labranchiae</i>	---; possible vector of malaria; 76. ---; ---; 194*	Hsiao	1945
<i>atroparvus</i>	(Ditches, enters houses)		
van Thiel			
	Brackish water along coast and fresh water inland; enters houses; 158°, 256°, 353°	Russell et al.	1943
	Brackish water along coastal areas, clear water; in houses; 194°	Hsiao	1946
<i>lesteri</i>	---; ---; 145	Stone et al.	1959
Baisas & Hu			
	---; naturally infected with and natural vector of <i>Wuchereria malayi</i> ; 190	Raghavan	1961
	Clear water in rice fields; ---; 242	Bick	1949
	Slightly brackish water; ---; 242	Bonne-Wepster & Swellen-grebel	1953
<i>letifer</i>	---; ---; 145, 149. Pools and stagnant drains; ---; 190 (Dark brown water of peaty land, fresh-water pools, enters houses, bites from dusk to dawn, vector of malaria, infected with <i>Plasmodium malariae</i>)	Bonne-Wepster & Swellen-grebel	1953
Sandoshan			
	Coastal plains, in shaded slow moving stagnant water; ---; 190*	Russell	1956
	---; natural vector of <i>Wuchereria bancrofti</i> and <i>W. malayi</i> ; 190	Raghavan	1961

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>ANOPHELES</i> <i>letifer</i> Sandosham (cont.)	---; possible vector of malaria; 190°	Wharton	1953
<i>leucosphyrus</i> Dönitz	Open pool beside forest streams, well; ---; 11. ---; suspected vector of malaria; 59. Springs; ---; 70. ---; ---; 76. Stagnant pools in open jungle, jungle streams; ---; 143. ---; in houses, naturally infected with malaria, suspected vector of malaria; 144. ---; in huts, naturally infected with malaria; 145°. ---; on stream banks; 146. ---; naturally infected with malaria; 149. ---; in houses, possible vector of malaria; 337°	Covell	1944
	---; ---; 11, 70, 144, 146, 147, 149, 190, 242, 277. Wells with brackish water; naturally infected with malaria; 145. ---; infected with and suspected vector of malaria; 337 (Jungle pools and streams, pools with and without vegetation in nipa forest, springs, elephant foot prints, bomb craters, wheel ruts, in houses, bites man, infected with and suspected vector of malaria)	Bonne-Wepster & Swellen-grebel	1953
	Pot-holes in rocks, puddles with grassy and muddy bottoms, seepage pools, shady swamps, tree holes and artificial containers; enters houses, March-Dec.; 59*°. ---; ---; 143*	Kuitert & Hitchcock	1948
	Marshy forest areas with vegetation, slit trenches, stagnant back waters of large streams, artificial containers; bites man at night, Aug.; 59	Macan	1948
	Pools in forest streams; common in huts, possible carrier of malaria; 59, 143	Christophers	1916
	Densely shaded jungle streams, swamps; ---; 70, 122, 143	Christophers	1933 +
	Tree holes, bamboos; ---; 70	Wijesundara	1942
	Ponds, pools in woods, rain water; ---; 76*	Li & Wu	1934 +
	Shaded rock pools and stagnant water in beds of mountain streams; ---; 77	Chow	1949 b
	Small pools in marshy, swampy area with elephant footprints; enter house, Feb.-March, and May-Nov.; 143	Clark & Choudhury	1941
	Artificial containers, hill streams and wells; ---; 143	Russell & Jacob	1942

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>ANOPHELES</i>			
<i>leucosphyrus</i>	Broken bamboo stalks, mud puddles, and artificial containers; April-November; 144*	Borel	1930 a
Dönitz (cont.)	Shaded puddles, tree holes filled with water; ---; 144	Borel	1926 b
	---; naturally infected with malaria; 144	Morin & Mesnard	1931
	Sago swamps, hill streams, clear pools, dams, artificial containers; July-Nov.; 145	Roper	1914
	Jungle; ---; 145	Colless	1948
	---; naturally infected and natural vector of <i>Wuchereria bancrofti</i> ; 145	Raghavan	1961
	---; malaria carrier; 145, 149	Roy & Brown	1954
	Sunny or partially shaded, clean, standing or running water, artificial containers; ---; 146	Lee & Woodhill	1944 +
	Pools in marshy areas; ---; 146, 149, 242	Boyd	1949 +
	Shaded pools; ---; 146	Wilcocks	1944 +
	---; March; 149	Stanton	1915
	Shaded breeder, ravines and fallen bamboos; ---; 190.	Hacker	1923
	Pools at the edge of streams; ---; 190	Smart	1914
	Rock holes and stagnant pools in shaded mountain creeks; rare; 242	Russell & Baisas	1935
	Wheel ruts and foot prints in open shade; ---; 242°	Cook	1954
	Mountain creek; ---; 242	Baisas	1931
	---; enters houses, May, Nov.; 277°	Barnes	1923
	---; ---; 337*	Stoker & Koes.	1949 +
	---; ---; 349	de Mello & Afonso	1921
<i>leucosphyrus</i>	---; ---; 11, 59, 143, 144, 145; 149, 190	Reid	1949
<i>balabacensis</i>	---; suspected transmitter of malaria; 59, 145	Wharton	1953
Baisas	---; ---; 145*	Russell	1956
	Bomb craters, wheel ruts, pools with a fine silt bottom and clear water; ---; 242	Colless	1948
	Forest creeks, streams and pools; ---; 242	Baisas	1936

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>ANOPHELES</i> <i>leucosphyrus</i> var. <i>elegans</i> James	---; ---; 11, 59, 70, 366. ---; Sept.-Oct.; 143	Reid	1949
<i>leucosphyrus</i> var. <i>hackeri</i> Edwards	Bamboo holes; ---; 145, 190	Russell et al.	1943
	---; naturally infected with <i>Wuchereria bancrofti</i> ; 145	Manson- Bahr	1959
	---; ---; 145, 190 (Under shade, fallen split bamboos, pools in rotten logs, palms). Brackish water; ---; 190	Reid	1949
	---; enters houses; 146	Soesilo	1932 +
	Nipa swamps, in jungle; ---; 190	Boyd	1949
<i>leucosphyrus</i> <i>leucosphyrus</i> Dönitz	---; ---; 59, 70, 143, 144, 145, 146, 149, 190 (Shaded rock pools in beds of mountain streams, adults in jungles)	Russell et al.	1943
	---; ---; 143, 146	Colless	1948
	---; ---; 145*	Russell	1956
	---; ---; 190*, 242*	Geigy & Herbig	1955
	Shaded rock pools and stream bed pools in the mountains; ---; 242	Bohart	1945
<i>leucosphyrus</i> var. <i>pujutensis</i> Colless	---; ---; 145°	Reid	1949
	---; ---; 145, 149. Brackish water; ---; 190 (Small pools)	Bonne-Wepster & Swellen- grebel	1953
<i>leucosphyrus</i> var. <i>riparis</i> King & Baisas	---; ---; 190 (Rock hole and pools in drying stream beds, between boulders at stream margins)	Bonne-Wepster & Swellen- grebel	1953
	Rock holes, pools left in stream beds or between boulders at the edge of the stream; ---; 242	King & Baisas	1936
<i>leucosphyrus</i> var. <i>sulawesi</i> Waktoedi	---; ---; 145	Stone et al.	1959
<i>lewisi</i> Ludlow	---; ---; 256	Stone et al.	1959

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>ANOPHELES</i> <i>lindesayi</i> Giles	Streams in hills; at 2,000-8,000 feet elevation, enters houses, may bite man; 31, 143	Christophers	1916
	---; restricted to high altitudes; 59	Christophers	1924
	Small pools, sandy pools or seepage, hill streams, small clear pools in the rocky beds of mountain torrents; thick forest or bamboo groves, at 2,000 feet elevation and above, naturally infected with <i>Plasmodium vivax</i> ; 76	Chang	1939
	Pools, drains, streams in or along forest, jungle or bamboo gardens; ---; 76	Robertson	1940
	Shady, swampy ground, seepage water; ---; 76	Kan	1941
	Shady pool in bed of partly dried stream; ---; 76	Hu	1937
	---; naturally infected with malaria; 76	Li & Wu	1934 b +
	---; ---; 77	Séguy	1924
	Garden pools and ditches; occasionally enters houses; 143	Christophers	1933 +
	Ravine stream, tank, jungle pond; June; 143	Senior-White	1928
	Small pools; small grove, Jul.-Aug.; 143	Shortt	1924
	Rain pools; at 4,000 feet elevation and above; 143	Iyengar	1930 +
	Stream pools; bites man during the day; 143°	Boyd	1949 +
	Clear, cool spring water; ---; 143, 158	Lamborn	1922
	Streams and swamps; ---; 143	Strickland & Choudhury	1927
	Shady rock pools; Aug.; 144	Toumanoff	1932 a
	---; bites man in the evening; 158°	Martini	1930
	Ravines in jungle; ---; 190	Hacker	1923
	---; ---; 218, 235	Stone et al.	1959
	---; ---; 303	Keshish'yan	1941 +
<i>lindesayi</i> var. <i>benquetensis</i> King	Irrigation ditches, rice fields; at 4,700 feet elevation; 242	Bohart	1945
	Edges of shaded streams with vegetation; ---; 242	King	1931
<i>lindesayi</i> <i>cameronensis</i> Edwards	Pools and streams in jungle; rarely enters houses; 190	Bonne-Wepster & Swellengrebel	1953

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>ANOPHELES</i>			
<i>lindesayi</i>	Clear pools of rocky stream beds; bites man in the evening; 76°, 77°	Russell et al.	1943
<i>japonicus</i>			
Yamada	Cool water pools; at high altitudes; 76	Feng	1935
	---; rare, on high mountains, carrier of malaria; 76	Feng	1937
	---; bites man by day, enters houses; 76°	Boyd	1949 +
	---; mountainous region; 77	Koidzumi	1927 +
	Margins of slow moving streams, rain water pools, ditches, irrigation tanks; May-Oct.; 158	La Casse & Yamaguti	1950
	Cool spring water or shaded pools in the mountains; ---; 158°	Hsiao & Bohart	1946
	Clear pools of rocky stream beds; bites man at night; 19½°	Anonymous	1946
<i>lindesayi</i>	Cool spring water or shaded pools at high altitudes; ---; 77	Chow	1949 b
<i>lindesayi</i>			
Giles	Clear pools in rocky bed of mountain streams; ---; 143°	Russell et al.	1943
<i>lindesayi</i>	Pools in rocky beds of mountain streams; bites man by day, at high altitudes; 143°	Boyd	1949
<i>nilgircus</i>			
Christophers	Pools, ditches; ---; 143	Russell et al.	1943
	Hill streams, borrow pits; ---; 143	Russell & Jacob	1942
<i>lindesayi</i>	Clear mountain streams and seepage pools; at an elevation from 2,000 to 6,000 feet, experimentally infected with malaria, rare; 76	Crook	1939
<i>pleocau</i>			
Koidzumi	Pools in rocky beds of mountain streams; bites man by day, enters houses; 77°	Boyd	1949
<i>listonii</i>	---; ---; 70	Evans	1930
Liston	---; carrier of malaria; 77	Faust	1926 a
	Pits, holes with clear water and vegetation, cisterns with grassy margins, shores of brooks and rivers; dry season and at the end of rainy season, in houses, possible vector of malaria, May; 122°	de Mello & Bras de Sa	1935
	Drains, hill streams; enters houses, carrier of malaria; 143	McCombie Young & Bailly	1928
	---; bites during the day; 143°	Perry	1914

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>ANOPHELES</i>	---; Sept.-Nov.; 143	Mayne	1928
<i>listonii</i>	---		
Liston (cont.)	---; ---; 162 (In brooks, with clean water and grassy edges)	Martini	1930
	---; ---; 277	Barraud & Christophers	1931
<i>litoralis</i>	Brackish water in borrow pits, lagoons, salt marshes; dry season; 144	Treillard	1934
King	---; ---; 145 (Salt water fish ponds, salt beds, marshes, lagoons with algae, bites man)	Bonne-Wepster & Swellen-grebel	1953
	In salt and brackish water, fish ponds, salt beds, marshes and stagnant pools; common; 242	Russell & Baisas	1935
	Lagoons; ---; 242°	Russell et al.	1943
<i>longirostris</i>	---; ---; 147 (Large swamps, seepage pools, wheel tracks, in or near jungle, in houses and bites man)	Bonne-Wepster & Swellen-grebel	1953
Brug			
<i>ludlowae</i>	Brackish water; enters houses, naturally infected with malaria; 11, 143. In brackish water; enters houses; 59, 70. ---; suspected malaria carrier; 145	Christophers	1916
(Theobald)	---; chief carrier of malaria; 11. Salt swamps; ---; 242	Walker & Barber	1914
	Rice fields; Dec.-Apr.; 76	Chow	1949 a +
	---; suspected vector of malaria; 76	Faust	1929 +
	River bed pools with sandy or stony bottoms without vegetation, exposed to direct sunlight, river and stream margins with vegetation, rice fields; ---; 77	Chow	1949 b
	---; malaria carrier; 77	Faust	1926 a
	---; ---; 77°, 242°	Russell et al.	1943
	---; ---; 122	Bras De Sa	1919
	---; ---; 133	Stone et al.	1959
	Brackish ponds and ditches; on banks of tidal channels, enters houses, naturally infected with malariae, experimentally infected with <i>Plasmodium malariae</i> and <i>P. falciparum</i> ; 143*	Iyengar	1931 a
	Brackish water; ---; 144	Treillard	1934

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>ANOPHELES</i> <i>ludlowae</i> (Theobald) (cont.)	Clear fresh water, running streams; indoors; 145*. Clear fresh water, running streams, under rocks; ---; 147. Pools and stagnant water in river; ---; 242	Bonne-Wepster & Swellen- grebel	1953
	---; ---; 146. Small open pools; ---; 190	Lamborn	1922 a
	---; ---; 146*	Manson- Bahr	1959
	---; ---; 146°	Kumm	1929 +
	---; naturally infected with <i>Wuchereria malayi</i> ; 149	Raghavan	1961
	---; March; 149	Stanton	1915
	Pools and conduits in mangrove swamps; ---; 190	Williamson	1925 +
	Brackish water in drains; ---; 190	Kingsbury	1933
	---; carrier of malaria; 190	Watson	1924
	---; ---; 190*	Watson	1923 +
	Stagnant, open or shaded streams; Dec.-Feb.; 242	Russell & Baisas	1935
	Sun exposed edges of large rivers, brackish ponds, salt beds; ---; 242	Mieldazis	1930
	Clear quiet water of streams; ---; 242	Bohart	1945
	---; experimentally infected with malaria; 242	Manalang	1928
	Small salt water marsh; Jul., Nov., in houses, incriminated vector of malaria; 277°	Barnes	1923
	Hill streams; carrier of malaria; 277	Wilcocks	1944 b
	Brackish water; Dec.; 277	Barnes	1923 a
	Salt water; ---; 280*	Scharff	1927 +
	Fresh water; ---; 337	Gater	1933 b
	---; ---; 337*	Flu	1926 +
	---; ---; 349	de Mello & Afonso	1921
<i>ludlowae</i> var. <i>flavescens</i> (Swellengrebel)	---; ---; 146	Stone et al.	1959
	---; ---; 337	Gaschen	1935 b

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>ANOPHELES</i> <i>ludlowae</i> var. <i>torakala</i> Stoker & Waktoedi	Stagnant or slow running water in river beds; ---; 145	Stoker & Koes.	1949
<i>ludlowi</i>	---; ---; 11*, 144*, 190*, 277*, 337*	Treillard	1934
<i>sundaicus</i> Rodenwaldt	---; ---; 139	Toumanoff	1934
	Ditches and ponds; ---; 143	Iyengar	1931 a
	---; intermediate host of <i>Wuchereria bancrofti</i> ; 143	Basu & Sundar Rao	1939
	---; naturally infected with malariae; 143	Iyengar	1931 b
	---; experimentally infected with <i>W. bancrofti</i> ; 143	Raghavan	1961
	---; ---; 143*	Manson- Bahr	1959
	---; in houses; 144°	Toumanoff	1935 a
	---; ---; 149	Boumeester	1934
<i>lukisii</i> Christophers	---; bites man at night, palm grove, April; 151°	Christophers	1916 b
<i>maculatus</i> Theobald	Streams and river beds near hills; experimentally and naturally infected with malaria; 31, 70, 143	Christophers	1916
	Shell craters; Jan.-Oct.; 59	Macan	1948
	Grassy edges of streams and drains in mountain valleys and foothills, unshaded pools in rocky streams and in seepages; ---; 59*	Wilcocks	1944
	Rice fields, shell craters, streams; enters houses, Jan.-March, June, Oct.; 59	Macan	1948
	---; naturally infected with malaria; 59, 337°. ---; ---; 70, 76, 77, 139, 145, 146, 149, 277 (Streams and river beds, pools, springs, seepages, borrow pits, lake margins, rice fields in hilly country, in houses, bites man)	Bonne-Wepster & Swellen- grebel	1953
	Spring-well, paddy field, shallow-banked ravine, spring-fed pools, swampy area; carrier of malaria; 70	Senior-White	1920 a
	Ravine stream, spring pool, drain, rock pool and irrigation channel; Apr.-Aug.; 70	Senior-White	1928
	---; ---; 70, 143 (Clear water exposed to sunlight, seepages). ---; malaria carrier; 146	Roy & Brown	1954

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>ANOPHELES maculatus Tenebald (cont.)</i>	Pools in rocky streams, river and torrent beds, seepages, springs, streams with grassy edges, flowing drains and drainage channels; naturally infected with malaria; 76*	Robertson	1940
	Streams, river beds, seepages, lake margins; low lying plains, enters houses; 76	Chang	1940
	Sandy and stony stream beds; all year; 76°	Chow & Balfour	1949
	Small sandy pool, seepages, abandoned rice field with vegetation; ---; 76	Kan	1941
	Grassy river margins, irrigation ditches; ---; 76. ---; naturally infected with <i>Wuchereria bancrofti</i> , probable vector of filariasis, Oct.-Dec.; 139	Hsiao	1945
	---; carrier of malaria; 76, 77, 144	Faust	1926 a
	River beds with sandy or stony bottom without vegetation, in streams of hilly regions, along river margins with or without vegetation; common; 77	Chow	1949 b
	---; ---; 122	de Mello	1934
	Fresh stagnant or polluted water in seepages, borrow pits, lake margins, wells, reservoirs; enters houses; 133	Farner et al.	1946 +
	Streams with grassy edges and irrigation ditches with cool running water; ---; 133. ---; carrier of malaria; 190	Feng	1935
	---; naturally infected with malaria; 133. ---; naturally and experimentally infected with malaria, all year; 139	Feng	1937
	Hill streams, ditches, seepages; enters houses, important carrier of malaria; 139°	Jackson	1938 a
	Shallow seepages exposed to the sun and in small backwaters of hillside streams, artificial container; ---; 139. Artificial containers; ---; 145	Coiless	1948
	---; experimentally infected with malaria; 139	Jackson	1936
	---; experimentally infected with <i>W. bancrofti</i> ; 139	Jackson	1938 c +
	---; ---; 139*, 337*. Sunny foothill streams, springs and seepages; ---; 190*	Russell	1956
	Beds of streams, pools, rice fields; May-Dec., enters houses, bites at night; 143°	Shortt	1924

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>ANOPHELES maculatus Theobald (cont.)</i>	Artificial containers, borrow pits, cart-tracks, ditches, field and irrigation channels, swamps, hill streams, river edges, spring pools, tanks and wells; ---; 143	Russell & Jacob	1942
	Open drains with fresh flowing water and vegetation; ---; 143	Iyengar	1929
	Streams in open area outside the jungle; ---; 143*	Iyengar	1930 b
	Ponds; ---; 143. Dying rivers and temporary pools; ---; 235	Strickland & Chowdhury	1927
	---; carrier of malaria, Jan.-Feb.; 143	Watson	1924
	Sunny clear water rock pools with abundant vegetation; all year; 144*	Borel	1930 a
	Hollow rocks in low water course; high altitudes; 144	Gaschen	1935 a
	Rock pools, shallow flowing streams with vegetation and sandy or rocky beds; ---; 144	Toumanoff	1932
	In swampy area; ---; 144	Borel	1926 b
	---; near railroad station, carrier of malaria; 144	Borel	1928
	---; experimentally infected with <i>W. malayi</i> ; 144	Gaillard	1938 +
	---; naturally infected with malaria; 144	Raynal & Gaschen	1935
	---; enters houses at night; 144°. ---; naturally infected with malaria; 145, 149. ---; enters houses, naturally infected with malaria; 146. ---; ---; 147. Rice fields; cleared hill areas; 190. ---; naturally infected with malaria, suspected vector of malaria; 242°. ---; rare; 277. ---; enters houses; 337 °	Covell	1944
	Hill streams and clear pools; ---; 145	Roper	1914
	Fish pond; ---; 145, 146, 149	Brug	1931 a
	---; naturally infected with <i>W. bancrofti</i> ; 145*	Manson-Bahr	1959
	---; Apr.-May; 149	Stanton	1915
	---; ---; 158	Yamada	1925 +
	---; at 4,500 feet elevation; 174	Christophers	1920
	Rubber plantations, exposed streams and seepages to sunlight; enters houses, prefer to bite in the open; 190 °	Wharton	1953

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>ANOPHELES maculatus Theobald (cont.)</i>	Rainwater in tanks; in mail-trains, experimentally infected with <i>Plasmodium falciparum</i> , <i>P. vivax</i> , <i>P. malariae</i> , naturally infected with <i>malariae</i> ; 190	Kingsbury	1930
	Rapid streams, small open pools, grassy drains; ---; 190	Lamborn	1922 a
	Edge of swampy ravines, springs; ---; 190	Christophers & Harvey	1923
	Jungle pools at the edge of running streams; ---; 190. Streams formed by the overflow of wells; ---; 280	Smart	1914
	---; enters houses at night, leaves at dawn; 190°	Wharton & Reid	1950
	---; bites at night; 190°	Wharton	1952
	---; carrier of malaria; 190	Ramsay	1930 a
	---; all year; 190	Hodgkin et al.	1935
	---; ---; 218 , 235	Kunze	1929 +
	Seepage water along streams, rice fields, along lake margins; naturally and experimentally infected with malaria; 242	Bohart	1945
	Along banks and densely shaded brooks; common during cool season; 242°	Walker & Barber	1914
	Lowlands to mountains and among algae of shaded forest streams; carrier of malaria; 242	Russell & Baisas	1935
	Mountain streams exposed to sunlight, pools in stream beds, sun exposed ditches of clear seepage water; ---; 242	Mieldazis	1930
	---; at an altitude of 5000 feet; 242	Cook	1954
	---; ---; 242*	Russell	1934
	Pools without vegetation, fallow rice fields with running water; ---; 277	Barraud & Christophers	1931
	---; 2,500 feet elevation, enters houses; 277°	Barnes	1923
	Clear mountain streams; ---; 277*	Wilcocks	1944 b
	---; May; 277	Barnes	1923 a
	Fresh spring water; ---; 280*	Scharff	1927 +
	Streams open to the sun; ---; 337	Wilcocks	1944 d
	---; ---; 349	de Mello & Afonso	1921

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>ANOPHELES</i>	Rocky pools, water springs in shade; ---; 143	Puri	1928
<i>maculatus</i>	---; ---; 144	Borel	1930 a
var. <i>dravidicus</i>	---; ---; 190	Bonne-Wepster & Swellen- grebel	1953
Christophers	---; naturally infected with malaria; 59, 143. ---; ---; 190*	Russell et al.	1943
<i>maculatus</i>	---; ---; 59, 70, 76, 77, 133, 139, 143, 144, 149, 190, 242, 277 (Small hilly streams, pools connected with streams and river beds, feeds on man, probably enters houses)	Hsiao	1945
<i>maculatus</i>	---; ---; 76°, 144°, 158*	Geigy & Herbig	1955
<i>maculatus</i>	Hilly streams, pools, streams, and river beds; naturally infected with malaria; 139°	Feng	1938
<i>willmori</i>	---; ---; 59, 143 (Bed pools and mountain streams and torrents)	Russell et al.	1943
(James)	Cleared ravines; in mountains and higher foothills; 143, 235*	Iyengar	1930 +
	Spring puddles; ---; 143	James & Liston	1904 +
	---; malaria carrier; 143	Viswanathan et al.	1941
	---; ---; 218, 235	Stone et al.	1959
	---; May; 277	Barnes	1923 a
<i>maculipalpis</i>	Pools in connection with hill streams; in houses, naturally and experimentally infected with malaria; 31, 143, 235	Christophers	1916
Giles	---; ---; 59	Lalor	1913
	---; ---; 70	Senior-White	1925
	---; probable vector of malaria; 76	Faust	1929 +
	---; enters houses, Jul.-Aug.; 76	Chung & Lin	1931
	---; ---; 77	Faust	1926 a
	---; ---; 122	James & Liston	1904 +

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>ANOPHELES</i>	---; ---; 139	Riley	1932
<i>maculipalpis</i>	Running water, seepage water, swamp and tanks; in houses; 143	McCombie Young & Bailly	1928
Giles (cont.)	Rain-water pools, paddy fields; common, March; 143	Young & Majid	1929
	Seepage water; foothills and dry regions; 143	Iyengar	1930 +
	Stream; carrier of malaria, Oct.; 143	Perry	1914
	---; open area outside the jungle; 143*	Iyengar	1930 b
	---; Aug.-Sept.; 143	Strickland & Chowdhury	1930
	---; in houses; 144	Toumanoff	1935 a
	---; ---; 144*	Toumanoff	1932 b
	---; June-Sept., rare; 235	Sinton	1917
	---; May, in houses, bites at night; 277°	Barnes	1923
<i>maculipalpis</i>	Streams, pools of irrigation ditches, mud puddles; ---; 76*	Li & Wu	1934 +
var. <i>indiensis</i>	---; ---; 143	Iyengar	1928
Theobald	---; ---; 144	Lefebvre	1938
	---; at 2,500 feet elevation, bites man in the evening; 277°	Barraud & Christophers	1931
<i>maculipalpis</i>	---; experimentally infected with malaria; 77	Anazawa	1931
var. <i>splendidus</i>			
Koidzumi			
<i>maculipennis</i>	Artificial containers, pools, rice fields, river beds with large reeds; ---; 28	Danilova & Mirzayan	1936
Meigen	---; ---; 31	Wu	1940
	Springs, swamps, river valleys, irrigation channels, marshes, pools; ---; 35*	Bogojawlenski	1933 +
	Rice fields, flooded lowlands, canal pools, rain puddles, drainage, ditches; ---; 35	Voskressenskii & Brenn	1928 +
	Salt water puddles on shore; ---; 35	Shirinov	1937
	---; common, April-June, in houses; 35	Kalandadze & Kaviladze	

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>ANOPHELES maculipennis</i> Heigen (cor...)	---; carrier of malaria; 35, 303	Roy & Brown	1954
	---; ---; 35*, 150*, 151*	Russell	1956
	Lakes, pools; enters houses; 60	Sergeeva	1939
	Pits in low-lying swamps with vegetation; ---; 60	Sergeeva	1940
	Ditches with fresh water; enters houses; 76	Feng	1938 +
	---; malaria carrier; 76, 77	Faust	1926 a
	Springs and swampy meadows; ---; 118	Nikiforova	1941
	Tree holes; ---; 118°	Krivenko	1940
	Artificial containers; ---; 118	Kalandadze & Tairova	1939
	Swamps; ---; 118	Roukhadze	1926 b
	---; enters houses, March-Nov.; 118	Roukhadze	1925 a
	---; mountains and coastal areas; 118	Ustinov	1941
	---; ---; 143	Senior-White	1934
	Small pools; ---; 144	Toumanoff	1932
	Swamps, rivers with vegetation; March-Oct.; 150, 151	Macal	1950 +
	Mountain streams, irrigation ditches; ---; 150	Zolotarev	1945
	Pools in bed of irrigation channel; ---; 150. Pools in small streams; enters houses; 151	Christophers & Shortt	1921 b
	Rice fields; ---; 150°	Gutzevich	1943
	Puddles, pits; ---; 150	Beklemishev & Gontaeva	1943 +
	Fresh and brackish water, flood pools; in houses, Apr.-Sept.; 154*°, 159*, 302*°, 317*	Barraud	1921 +
	Swampy ground pools, May-June; ---; 159. ---; tents; 302°. Marsh; ---; 342	Austen	1919
	---; enters houses; 161	Olenev	1936
	Ponds, lakes, flooded meadows, springs; desert and foothills; ---; 162	Balkoshina	1939
	---; experimentally infected with tularemia; 162	Fedorov & Sivolobov	1935
	---; ---; 162, 256°, 342 (Bite at night, indoors and outdoors)	Martini	1930

TABLE 1 - MOSQUITORS (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>ANOPHELES maculipennis heigen (cont.)</i>	Rice fields, tree holes; enters houses; 166	Luppova	1940
	Brackish and mineralized water; ---; 166	Petrishcheva	1940 a
	Fresh water ditches; enters houses; 194	Feng & Chin	1937
	---; enters houses; 207	Lepsi	1935
	---; ---; 209, 256 (Reservoirs, marsh, bites man)	Shtakelberg	1937
	Artificial containers; enters houses, Apr.-Sept.; 256 (bites man, main vector of malaria)	Pletnjow	1928
	Rice fields, irrigation ditches; ---; 256	Zvyagintzev	1939
	Drainage ditches in marshy areas; ---; 256	Lazuk & Utenkov	1939
	Clear stagnant water with vegetation; ---; 256	Beklemishev et al.	1931
	River and its tributaries; ---; 256	St. Hilaire	1925
	Calm water with direct sunlight; ---; 256	Beklemishev & Mitrofanova	1926
	Pools and ditches; ---; 256	Apriamov	1930
	Swamps; ---; 256	Shipova	1936
	Muddy ponds; ---; 256	Lomeiko	1942
	---; readily bites man during the day; 256°	Shakhmatov	1926 +
	---; ---; 294	Feng	1935
	---; ---; 303*	Latushev	1929 +
	Irrigation channels; ---; 317	Martini	1927 +
	Rice fields; ---; 317	Martini	1928 a
	---; trains, July and August; 317	Arar & Atamanoglu	1938
	---; malaria carrier; 317	Anonymous	1944
	River banks, shallow irrigation overflows in gorges, caves, burrows; Jan.-Dec.; 318	Petrishcheva	1934 a +
	Marshes; ---; 318	Orlowa & Schalhow	1930 +
	Running water in ravines from springs, ponds, lakes, rivers with vegetation; ---; 321	Shlyapine	1933 +

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>ANOPHELES</i>	Artificial containers, swamps; ---; 321	Dolbeshkin	1928 +
<i>maculipennis</i>	Rice fields; ---; 321*	Goritzkaya	1938
Meigen	---; ---; 321*	Rybinsky	1933
(cont.)	---; enters houses; 321	Val'kh	1938 +
	Running water, flooded fields with high salt content; enters houses; 326	Brodski	1923
	---; possible carrier of malaria; 342	Manson-Bahr	1920
	---; ---; 342 (Sunny areas, standing, shady and clean waters, algae pools, small ponds, dams, ditches, moors, cisterns, nocturnal, bites man in and out doors, important vector of malaria)	Peus	1942
	Reservoirs; ---; 345	Dmitriev & Artem'ev	1932
<i>maculipennis alexandrae</i>	---; ---; 162, 256	Martini	1930
Schingarew			
<i>maculipennis atroparvus</i>	Pools, stagnant water, small pits, ruts and hoof prints in sunlight, swamps, spring-fed pools; ---; 28	Shipitzina	1941
van Thiel	---; ---; 60, 345	Beklemishev & Zhelokhovtzev	1937 +
	Ponds, ditches, marshes; carrier of malaria; 194, 210	Feng	1937
	Brackish water with organic and mineral matter; ---; 256	Kalita	1937
	---; enters houses; 256°	Danilova & Lappin	1937
	Brackish water, rice fields; ---; 321	Prendel	1941
	---; potential vector of malaria, June-July, Sept.; 321	Prendel & Somov	1938
	---; enters houses; 321	Yarovaya	1941
	---; ---; 345	Senevet & Andarelli	1956
<i>maculipennis maculipennis</i>	---; ---; 35, 150, 317	Senevet & Andarelli	1956
Meigen	Fresh water in hilly sections; abundant; 256	Russell et al.	1943

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>ANOPHELES</i>	---; rare; 317	Arar & Atamanoglu	1938
<i>maculipennis</i>			
<i>melanoon</i>	---; ---; 321	Gendel'man & Markova	1940
Hackett	---; ---; 345	Stone et al.	1959
<i>maculipennis</i>	---; ---; 118	Kalanadze & Sagatellova	1938
<i>messeae</i>	Streams, stagnant pools and lakes with vegetation, irrigation ditches, ponds and borrow pits; enters houses, Apr.-Aug.; 162	Ivanov	1944
Falleroni	---; enters houses; 166*	Naumov	1944
	Ponds, stream beds, borrow pits, swamps near springs, rivers; enters houses; 256 (Bites man)	Gutzevich	1939
	River banks; ---; 256	Vlasenko	1936
	Reservoirs with vegetation; ---; 256	Zavoiskaya	1942
	Rice fields, flooded irrigation ditches; ---; 256	Zvyagentzev	1939
	Water with high organic and mineral content; ---; 256	Kalita	1937
	---; marshy plains; 256	Danilova & Buduimko	1938
	---; abundant; 256	Pokrovskii	1935
	---; abundant; 317	Arar & Atamanoglu	1938
	Fresh standing water, forest steppe; ---; 321	Prendel	1941
	Flooded meadows; ---; 321	Yatzenko & L'vovich	1936
	---; enters houses; 321	Tishchenko	1938
	---; ---; 321*	Reingard & Goritzkaya	1939
	---; ---; 345	Bkelemishev & Zhelokhovtzev	1937 +
<i>maculipennis</i>	---; ---; 3	Lindberg	1949 +
<i>sacharovi</i>	Saline water; steppe zone; 150	Zolotarev	1945
Favre	---; ---; 150*	Ziony	1950 +

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>ANOPHELES</i> <i>maculipennis</i> <i>scoharovi</i> Favre (cont.)	---; ---; 162, 256, 294, 318, 342, 345 (Reservoirs with vegetation, deserts)	Monchadskii	1936
	Streams with algae, irrigation ditches, springs, mountain streams, depressions in sandy river, flooded meadows, small pools; rarely enters houses; 166	Petrishcheva & Polyakov	1940
	---; ---; 303*	Keshish'yan	1941 +
	Rivers, springs, drainage and irrigation ditches, rice fields, small ponds, warm shallow creeks with vegetation; Aug., Sept.; 326	Ulitcheva	1943
	Swamps; ---; 326*	Prokopenko	1945
	---; enters houses; 326°	Suirevich-Boronenkova & Zakhaiyantz	1946
	Stagnant pools, stream beds, wells, reservoirs with algae, stagnant swamps; enters houses; 342*	Jerusalem	1941 +
<i>maculipennis</i> <i>subalpinus</i> Hackett & Lewis	Stagnant pools with vegetation, pits, ruts, hoof prints in sunlight; daytime shelters on river valley slopes near swamps and pools, active at night; 28, 256	Shipitzina	1941
	Rivers with vegetation; plains; 35	Ivanova & Polovodova	1942
	---; ---; 118	Kalita	1939 +
	Rice fields; ---; 150	Zolotarev	1945
	---; ---; 150*	Gutzevich	1948 +
<i>majidi</i> Young & Majid	Fallow and growing rice fields, field channels, hill streams, tanks and wells; in houses; 143	Russell & Jacob	1942
	Open drains with flowing water and vegetation, paddy plots, grassy streams; ---; 143	Iyengar	1929
	Streams in open area outside the jungle; ---; 143	Iyengar	1930 b
	---; common, March; 143	Young & Majid	1929
	---; ---; 218	Stone et al.	1959
	---; ---; 366	Roy & Brown	1954
<i>mangyanus</i> (Banks)	Shallow, clear, slow-flowing streams with sandy or rocky beds, edges of stream, irrigation channels; suspected vector of malaria; 242	Covell	1944

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>ANOPHELES</i> <i>mangyanus</i> (Banks) (cont.)	---; naturally infected with <i>Plasmodium falciparum</i> ; 242*	Dy & Gapuz	1948
	---; at an altitude not exceeding 2000 feet; 242	Cook	1954
<i>marteri</i> Senevet & Frumelle	Artificial containers, water holes, rarely in swamps and ground pools, tree holes; ---; 150, 151, 159, 302, 303, 342	Logan et al.	1953 +
	Streams, springs; ---; 150	Macan	1950 +
	---; ---; 154	Stone et al.	1959
	Running water in tunnels, gorge pools, mountain streams; ---; 302	Leeson	1950 +
	Deeply shaded rocky pools in mountain streams; ---; 302	Russell et al.	1943
<i>marteri</i> <i>sogdianus</i> Keshishian	---; ---; 150, 303	Stone et al.	1959
	Hill streams; ---; 345	Macan	1942 +
<i>martinius</i> Schingarew	---; ---; 162, 326	Martini	1930
	---; ---; 256	Enikolopov	1930
<i>mastersi</i> Skuse	---; ---; 76	Faust	1926
	---; ---; 143, 144	Faust	1926 a
<i>mauriticus</i> Grandpré & Charmoy	---; ---; 146	Swellen- grebel	1920 +
	Shallow brackish marsh; May; 154	Barraud	1921
	Reservoirs, ponds; ---; 154	Shtakelberg	1937
	---; rare; 154*	Buxton	1924 a
	Large pools and edges of large bodies of water; ---; 302	Macan	1942
	Stagnant pools with vegetation; July, Aug., Sept.; 342	Saliternik	1933
<i>mauritanus</i> <i>tenebrosus</i> Donitz	---; ---; 154, 233	Stone et al.	1959
<i>messeae</i> Falleroni	---; ---; 76*	Hsiao	1945
	---; ---; 194	Hsiao	1946
	Cool, stagnant water; in houses during winter months; 256	Russell et al.	1943
	---; ---; 294*	Russell	1956
	---; ---; 317	Anonymous	1944

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>ANOPHELES minimus Theobald</i>	River edges with vegetation, seepage, artificial containers; Jan.-Mar., May, Aug.-Dec., active by day and night, rests indoors at night; 59*	Macan	1948
	Shaded water of the grassy edges of streams and drains; ---; 59	Wilcocks	1944
	---; enters houses; 59*	Macan	1950 a
	---; carrier of malaria; 59, 76, 77, 143, 277	Roy & Brown	1954
	Streams in cleared jungles, swamp margins, irrigation channels, drains, rice fields, clear water in borrow pits; ---; 70	Farner et al.	1946 +
	Ditches, irrigation channels and fast moving streams; in houses, naturally infected with malaria, Aug.-Nov.; 76*	Sweet et al.	1942
	Hill streams, pools, springs, ditches and rice paddies, excavations, foothills; in houses, carrier of malaria; 76	Chang	1939
	---; foothills; 76*. ---; ---; 77*, 139*, 143*, 144*, 168*, 185*, 235*, 277*. Small streams; ---; 242*	Russell	1956
	Irrigation channels; houses; 76	Chow & Balfour	1949
	Hilly streams, seepage from hill; naturally infected with malaria, all year; 76, 133, 139	Feng	1937
	Streams with grassy edge and irrigation ditches with cool running water; ---; 76*. Streams with grassy edge and irrigation ditches with cool running water; important malaria carrier; 133. ---; naturally infected with malaria; 139	Feng	1935
	River margins, canals, flowing drains; bites at night; 76*	Hsiao	1945
	Cool, slowly running hilly streams and ditches with grassy edge, pools, with rain water and sandy bottom; naturally infected with both sporozoite and oocysts, also infected with <i>Wuchereria bancrofti</i> ; 76	Feng	1938
	Irrigation canals, wooded hills and marshy valleys, permanent streams; infected with malaria; 76. ---; naturally infected with sporozoites; 143. ---; infected with sporozoites, indoors; 144*	Bonne-Wepster & Swellen-grebel	1953
	Seepage from springs, rice field, swamps; low-lying plains, bites at night; 76*	Chang	1940

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>ANOPHELES</i> <i>minimus</i>	---; possible vector of malaria; 76, 77, 242	Feng	1932
Theobald (cont.)	---; up to altitudes of 1700 meters; 76, 144 (Bites at night)	Gaschen	1935 a
	Rock pools, holes, pools, rice fields; common, possible vector of malaria; 77	Chow	1949 b
	---; rare, found at the end of rain season; 122	de Mello & Bras de Sa	1935
	Irrigation ditches, pools fed by seepage, rice fields; important carrier of malaria, naturally and experimentally infected with filaria of <i>Wuchereria bancrofti</i> ; 139	Jackson	1938
	---; bamboo huts; 139°	Jackson	1938 a
	---; ---; 139*, 144*	Manson- Bahr	1959
	---; naturally infected and natural vector of <i>W. bancrofti</i> ; 139	Raghavan	1961
	Permanent pools, abandoned tanks, seepage water; adults in houses at night, all year, naturally infected with malaria; 143	Ramsay	1930
	In streams and ponds; common in houses; 143. ---; naturally and experimentally infected with malaria; 242	Christophers	1916
	Edges of swamps, paddy fields, spring seepages, clean, shady grassy streams and drains, rivers; ---; 143	Christophers	1933 +
	Open drains with vegetation; ---; 143	Iyengar	1929
	Streams in open area outside the jungle; ---; 143	Iyengar	1930 b
	---; in houses by day; 143, 144	Wharton	1953
	Small river, reedy lakes near habitations; nocturnal; 144	Borel	1928
	Swamps; ---; 144	Borel	1930 a
	Streams; carrier of filariasis; 144°	Wilcocks	1944 c
	---; all year, in houses, naturally infected with malaria; 144°	Raynal & Gaschen	1935
	---; at the beginning of the rainy season rare, naturally infected with malaria; 144	Toumanoff & Canet	1940

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>ANOPHELES</i>	---; Oct.-Feb.; 144	Toumanoff	1932 b
<i>minimus</i>			
Theobald (cont.)	Unshaded water; ---; 145	Soesilo	1932 +
	Flowing or standing water, springs with vegetation, irrigation canals, ponds, rice fields, clean, clear, cool, slightly shaded or in sun; ---; 146. Rice fields, sunny or shaded, flowing or standing water; ---; 147*	Farner	1943 +
	---; ---; 146	Iyengar	1924
	---; ---; 149, 277, 366*. ---; enters houses; 139. ---; bites after midnight; 143°. ---; up to 4,900 feet; 144. ---; suspected carrier of malaria; 145 (Clear unpolluted slowly moving water with grassy edges, seepage outcrops, borrow pits, tanks, rice fields, irrigation channels, shallow earth wells, prefers partial shade, dangerous malaria carrier, bites man)	Covell	1944
	---; ---; 151	Senior-White	1948
	---; ---; 158*	Geigy & Herbig	1955
	Irrigation ditches; active in the evening, natural vector of malaria, Sept.-Oct.; 242*	Manalang	1928
	Flowing shaded streams, stagnant pools; ---; 242	Mieldazis	1930
	---; in houses at daytime, banks of streams, Oct.-Dec.; 242	Russell	1931
	---; enters houses at night; 242°	Hu	1935 b
	---; ---; 257	Stone et al.	1959
	Clear mountain streams; ---; 277	Wilcocks	1944 b
	---; enters houses; 277°	Barnes	1923
	---; rare; 277	Causey	1937
	Grassy streams; ---; 337	Wilcocks	1944 d
<i>minimus</i>	---; ---; 59, 143	Christophers	1916
<i>aconitus</i>			
Donitz	---; ---; 70, 337	Senior-White	1920 a
	Swamps; ---; 190	Hacker	1923
<i>minimus</i>	---; ---; 139, 143, 190, 337	Wharton	1953
<i>flavirostris</i> (Ludlow)			

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>ANOPHELES</i> <i>minimus</i> <i>flavivirostris</i> (Ludlow) (cont.)	---; naturally infected with malaria; 145. Rice fields; rarely in houses, naturally infected with malaria; 146, 242° (Clear, shaded streams, round roots of bamboo, rivers, flowing or stagnant irrigation channels, pools and wells, enters houses at night to attack man)	Covell	1944
	---; possible vector of malaria; 145	McArthur	1950 +
	Unshaded brooks and irrigation ditches; naturally infected with malaria; 146. Foot hills, streams, edges of rivers, canals, irrigation ditches, wells; ---; 242	Bonne-Wepster & Swellengrebel	1953
	Stream with warm brackish water, rice fields; enter houses at night; 242°	Ejercito et al.	1954
	Foothill, shaded edges of rivers and streams; enter houses at night; 242*°	Cook	1954
	Occasionally in sunlit muddy water; bites man at night indoors and out, common; 242°	Simmons	1942 +
	---; carabao-baited trap, naturally infected with filaria larvae; 242**	Rozeboom & Cabrera	1964
	---; human-baited trap at night, all year; 242	Urbino	1937
	---; naturally infected with oocysts and sporozoites; 242	Dy & Gapuz	1948
	---; carrier of malaria; 242	Roy & Brown	1954
	Slow running water with or without vegetation, rice fields, irrigation channels, brooks; ---; 337*	Stoker & Koes.	1949 +
<i>minimus</i> <i>minimus</i> Theobald	---; ---; 59*, 76*, 77*, 143*, 144*, 145, 146, 149, 190, 277 (Clear streams and springs with grassy margins, seepages, irrigation channels, burrow pits, tanks, rice fields, shallow earthen wells, in houses, bites on man)	Boyd	1949
	---; ---; 70, 76, 77, 133, 139, 143, 144, 149, 277 (Slowly running hill streams with cool water, ditches with grassy edges, occasionally in rain pools)	Hsiao	1945
<i>moghulensis</i> Christophers	---; ---; 3, 253	Stone et al.	1959
	---; ---; 59	Smart	1943 +
	Hill streams, springs, seepages; enters houses; 143, 162	Russell et al.	1943
	Rocky pools, fresh water springs in shade; ---; 143	Puri	1928
	Pools in stream beds; ---; 143, 235	Macan	1942
	---; Oct.; 143	Jaswant Singh	1933

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>ANOPHELES</i>	---; ---; 143	Iyengar	1928
<i>montanus</i>	---; ---; 145 (Dirty water with decaying vegetation, pools, streams, hilly areas and swamps)	Boyd	1949
Stanton & Hacker	---; ---; 149	Stone et al.	1959
	Dirty water with decaying vegetation, pools along jungle streams and swamps; jungle; 190	Russell et al.	
<i>multicolor</i>	Brackish wells; ---; 2. Drains, irrigation canals and wells; Feb.; 270	Leeson	1948
Cambouliu	Saline oasis; responsible for malaria; 25, 31, 150	Macan	1942
	---; ---; 143	Puri	1928 a
	Saline running water and pools; in houses; 150, 151	Macan	1950 +
	Reservoirs with high salt content; bites at night; 150°. Reservoirs with high salt content; bites at night, July, Sept.; 342*	Shtakelberg	1937
	---; suspected vector of malaria; 150	Russell	1956
	Brackish coastal marshes, inland pools and streams; ---; 154	Barraud	1921
	Swamp; enter houses; 154	Kligler	1924 a
	Salt marshes; ---; 154. ---; ---; 159. Brackish water; domestic; 342	Stuart	1933
	Sunlit springs and marsh pools; enters houses; 159	Lumsden & Yofe	1950 +
	Brackish water in water course and puddles along shore; ---; 159	Shapiro et al.	1944 +
	Brackish water; ---; 174	Saulet	1941 +
	---; ---; 235, 317 (Small pools, stagnant or flowing drains, unused wells, saline desert water, enter houses, considered a vector on epidemiological evidence)	Russell et al.	1943
	Small pools with or without weeds, stagnant or flowing water, unused shallow wells, saline desert water; enters houses; 235°	Boyd	1949
	Brackish water; enters houses; 302°	Anonymous	1944
	---; ---; 302	Martini	1930
	Saline desert waters; ---; 317	Christophers	1933 +
	Salt water; urban, bites man, closely associated with outbreaks of malaria; 342°	Buxton	1924 a
	Brackish swamps; ---; 342		

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>ANOPHELES</i> <i>multicolor</i> Cambouliu (cont.)	Fresh water; ---; 342	Senior-White	1948
<i>naniwa</i> Hatori	---; ---; 77	Hatori	1923 +
<i>nigerrimus</i> Giles	Sinous marshy forest areas with aquatic vegetation, shell craters; Aug.-Oct.; 59	Macan	1948
	Margins of slow flowing streams, rice fields, swamps, artificial containers with vegetation, borrow pits; rarely in houses, bites man outdoors in evening and in shade by day; 59°	Covell	1944 +
	Brackish water; experimentally infected with <i>Plasmodium vivax</i> , <i>P. malariae</i> and <i>P. falciparum</i> ; 59, 277. Sunny or shaded, muddy or clear, flowing or stagnant water, irrigation ditches, pools, rice fields, canals with vegetation; bites man readily, occasionally enters houses; 146*°, 149*°	Simmons	1942 +
	---; ---; 59*	Wilcocks	1944 +
	---; ---; 59, 70, 133, 144, 190, 242, 277 (Rice fields, ponds, ditches, pools, attacks man occasionally). ---; ---; 76 (Rice fields, ponds, ditches and pools). ---; ---; 143 (Ponds)	Hsiao	1945
	- -; natural and experimental vector of <i>Wuchereria bancrofti</i> ; 70. ---; experimentally infected and natural vector of <i>W. bancrofti</i> and <i>W. malayi</i> ; 143, 190	Raghavan	1961
	Clear open water with vegetation, muddy, brackish water, irrigation ditches; ---; 76, 133, 145	Farner et al.	1946 +
	Pools, paddy fields, and swamps; bite indoors and outdoors; 143°. ---; ---; 145	Colless	1948
	Marsh land, sluggish streams, river banks, deep clean stagnant ditch; rarely enters houses; 143	Strickland & Chowdhury	1927
	---; ---; 235	Kumm	1929 +
	Rice fields, slow-moving and stagnant water; low-lands, naturally and experimentally infected with malaria; 242	Bohart	1945
	---; ---; 337	Stone et al.	1959
<i>nigripes</i> Staeger	---; ---; 256, 317, 345 (Bites man, vector of malaria)		
	Tree holes; ---; 317	Irfan & Vogel	1927 +
	---; carrier of malaria; 317	Anonymous	1944

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>ANOPHELES</i> <i>novumbrosus</i> Strickland	Jungle pools, drains, swamps; naturally infected with and suspected vector of malaria; 190	Covell	1944
	Heavily overgrown drains; Jan.-June; 190	Hodgkin	1939
	---; naturally infected with <i>Plasmodium vivax</i> ; 190	Kingsbury	1939
	---; ---; 190*	Kingsbury	1938
<i>nursei</i> Theobald	Pools in stream beds; enters houses; 235	Christophers	1916
	---; rare, Sept.-Oct.; 235	Sinton	1917
<i>ohamai</i> Ohama	---; ---; 257	Stone et al.	1959
<i>palestinensis</i> (Theobald)	Weed-choked streams; carrier of malaria; 154. Swampy ground; ---; 159	Austen	1919
<i>pallidus</i> Theobald	---; ---; 59, 70, 143, 149, 190, 277 (Rice fields, tanks with vegetation, seepages, stagnant poo's, swamps, borrow pits, in houses)	Boyd	1949
	---; ---; 59, 70 (Ditches and ponds with vegetation, along lake margins and rice fields)	Russell et al.	1943
	Rice fields; in houses; 143	Russell & Ramachandra Rao	1941
	Ditches, stagnant pools; ---; 143. ---; naturally infected with malaria; 366 (Rice fields, tanks with vegetation, borrow pits, enters houses)	Covell	1944
	Artificial containers, borrow pits; ---; 143, 235	Strickland & Chowdhury	1927
	---; experimentally infected, natural vector of <i>Wuchereria bancrofti</i> ; 143*	Raghavan	1961
	---; naturally infected with <i>W. bancrofti</i> , vector of nocturnal filariasis; 143*	Marson- Bahr	1959
	---; intermediate host of <i>W. bancrofti</i> ; 143	Basu & Sundar Rao	1939
	---; naturally infected with and vector of malaria; 143*	Joy & Biswas	1942
	---; infected with sporozoites; 143	Senior-White	1943
	---; Jul.-Dec.; 143	Subramanian & Gupta	1950
	---; Jan.-Sept.; 143	Abraham & Samuels	1944

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>ANOPHELES pallidus</i> Theobald (cont.)	---; ---; 144, 149, 190, 277. ---; naturally infected with malaria; 143 (Lake margins, ditches, ponds with vegetation, shallow pools in stream beds, in houses)	Bonne-Wepster & Swellen-grebel	1953
	---; ---; 146	Smart	1943 +
	Rice fields, open marshy areas, wells, artificial containers; ---; 190	Gater	1934 +
	Rice fields and ponds; dry delta regions; 235	Iyengar	1930 +
	Reservoirs, borrow pits; ---; 235	Das	1943 +
	---; ---; 242	Dyar & Shannon	1925
	Hoof marks near borrow pits, road side drains and moats; ---; 277	Barraud & Christophers	1931
	---; ---; 337	Gater	1933 b
	---; ---; 366 (Pools and lakes)	Roy & Brown	1954
<i>pallidus</i> (Rodenwaldt)	---; ---; 145, 146, 149 (Shady shallow pool margins of slow flowing streams)	Boyd	1949
	Shallow inlets at sides of slow running streams with dead leaves in forest shade; ---; 190	Gater	1934 +
	---; ---; 277	Bonne-Wepster & Swellen-grebel	1953
	---; ---; 337	Stone et al.	1959
<i>pampanai</i> Büttiker & Beales	---; ---; 59, 144	Stone et al.	1959
<i>parangensis</i> (Ludlow)	---; ---; 143	Puri	1928 a
	Fresh water pools; ---; 145	Russell et al.	1943
	---; ---; 145, 242 (Pools with dirty water without vegetation and clear water with algae, fresh and brackish, sunny and shaded)	Bonne-Wepster & Swellen-grebel	1953
	Fresh water pools, shaded with abundant vegetation; rare; 242	Russell & Baisas	1935
	Fishponds; ---; 242	Bohart	1945
<i>pattoni</i> Christophers	Fresh water pools, rocks of streams, in seepage along river banks, rice paddies; experimental carrier of malaria, May, June, Sept. and Oct.; 76	Crook	1939

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>ANOPHELES</i> <i>pattoni</i> Christophers (cont.)	Slow running hill streams, water pockets along stream borders, rain pools, pools of sandy bottom river beds; naturally infected with <i>Plasmodium vivax</i> ; 76*	Hsiao	1945
	Seepage along river banks, rice paddies; May, June, Sept., Oct.; 76	Crook	1939
	Streams, ponds pools with vegetation; ---; 76	Meleney et al.	1927
	---; experimentally infected with <i>P. vivax</i> , malaria carrier in hilly regions, important vector of malaria, Aug.-Nov., in hilly regions, Sept.-Oct.; 76*	Feng	1935
	---; common, experimentally infected with <i>P. vivax</i> , Sept.-Oct.; 76	Feng	1937
	---; capable of transmitting malaria; 76	Hindle & Chow	1929
	---; frequents houses; 76	Meng	1943
	---; possible vector of malaria; 144	Russell	1956
	---; ---; 144*, 158*	Geigy & Herbig	1955
	Rock rain pools, hill streams; ---; 194*	Anonymous	1946
<i>peditaeniatus</i> (Leicester)	---; ---; 59, 70, 143, 144, 146, 149, 190, 242 277 (Ponds and lakes)	Bonne-Wepster & Swellengrebel	1953
	---; ---; 337	Stone et al.	1959
<i>persicus</i> Edwards	---; ---; 150	Stone et al.	1959
<i>pharoensis</i> Theobald	---; ---; 2	Kumm	1929
	---; ---; 143	Puri	1928 a
	Rice fields with vegetation; rarely in houses; 154*	Boyd	1949
	Small temporary collections of water; coastal plain; 154	Garrett-Jones	1962
	Shallow puddles; Nov.; 154	Shapiro	1933
	Reservoirs in groves and seepage; ---; 154	Anonymous	1944 c
	---; rare, Aug.; 154	Barraud	1921

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>ANOPHELES pharoensis Theobald (cont.)</i>	---; ---; 154°	Buxton	1924 a
	---; ---; 159*	Searle	1920
	---; ---; 270, 332	Stone et al.	1959
	Desert, rice fields, ponds and water holes, in wells and reservoirs; all year, experimentally infected with malaria; 302, 342	Martin	1930
	---; ---; 317	Christophers	1920
	Swamps; ---; 342	Macan	1942
	---; in houses, naturally infected with malaria, 342°	Russell et al.	1943
	---; Aug.-Dec.; 342	Senevet & Audarelli	1956
	Rice fields; ---; 11. ---; naturally infected with malaria; 59. Rice fields, reservoirs, borrow pits, canals; enters houses, bites at night, important vector of malaria; 366*° (Tanks, pools, borrow pits and ditches with vegetation)	Covell	1944
	Rush swamp; ---; 11	Christophers	1933 +
<i>philippinensis Ludlow</i>	Weedy tanks; ---; 11	Wilcocks	1944 a
	---; bites man outdoors, suspected vector of malaria; 59°	Macan	1950 a
	Sinuuous marshy forest areas with vegetation; active by day and night, Jan.-Mar., Aug.-Oct.; 59°	Macan	1948
	---; ---; 59, 76, 133, 144, 242, 277, 337 (Ponds, rice fields, ditches and fresh water pools)	Hsiao	1945
	---; ---; 70, 144, 146, 149, 190, 242, 277. Ponds exposed to sun; in houses, naturally infected with malaria; 143° (Tanks, pools, ditches, swamps, burrow pits, rice fields)	Boyd	1949
	Sloughs, open rush swamps, stagnated canals and ditches; ---; 76, 133, 143, 146, 149, 242, 277	Farner et al.	1946 +
	Stagnant water, ponds, rice fields, swamps; ---; 76	Chang	1940
	---; in houses; 76	Ling, Liu & Yao	1936
	---; ---; 139	Toumanoff	1934
	Tanks, pools, borrow pits with vegetation; rare; 143	Panigrahi	1942

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>ANOPHELES philippinensis</i> Ludlow (cont.)	Weedy tanks, rice fields, swamps, lakes; carrier of malaria; 143. ---; considered a vector of malaria, naturally infected with malaria; 366	Roy & Brown	1954
	Slow running streams with grassy edges, seepage water; ---; 143	Christophers	1933 +
	---; naturally and experimentally infected, natural and experimental vector of <i>Wuchereria bancrofti</i> ; 143	Raghavan	1961
	---; open area outside the jungle; 143	Iyengar	1930 b
	---; June-Dec.; 143	Sen	1948
	---; in houses; 143. ---; ---; 145, 190 (Rice fields, rush swamps, ponds, pools with vegetation, seepages, ditches, artificial containers, enters houses)	Bonne-Wepster & Swellengrebel	1953
	---; ---; 143**	Iyengar	1941
	---; ---; 143°. ---; infected with malaria; 366	Ramsay	1930 a
	Ponds, rice fields, ditches and fresh water pools; ---; 144	Feng	1938
	---; all year, in houses; 144	Raynal & Gaschen	1935
	Casual pools, buffalo wallows, seepages open to the sun or lightly shaded, paddy fields; enter houses; 145°. Clear water with vegetation and algae, exposed or slightly shaded, paddy fields either with growing rice or overgrown with sedge, grassy roadside pools and drains, swamp edges; bites man during early evening, enter houses; 242°	Colless	1948
	Swamps with vegetation; all year; 190	Hodgkin & Johnston	1935
	---; experimentally infected with <i>Plasmodium falciparum</i> ; 190	Kingsbury	1932
	---; experimentally infected with <i>W. bancrofti</i> ; 190	Hodgkin	1938
	---; experimentally infected with <i>P. vivax</i> ; 190	Green	1935
	---; in houses; 190	Wharton	1953
	---; ---; 190°	Wharton	1952
	Water course and ponds; lowlands; 235	Iyengar	1930 +
	---; naturally infected with malaria, all year enters houses, naturally infected with malaria; 235. Clean large ponds, marshes overgrown with vegetation, rarely in shallow ditches and borrow pits, prefers sunlit places; Jul.-Nov., naturally infected with malaria, enters houses; 366	Iyengar	1944

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>ANOPHELES</i>	---; ---; 235*	Russell	1956
<i>philippinensis</i>			
Ludlow	Rain water ponds, rivers, streams, pools, rice fields and associated with <i>Pistia stratiotes</i> ; ---; 242	Mieldaais	1930
(cont.)			
	Springs with vegetation; May and Aug.; 242	Baisas	1931
	---; naturally infected with malaria; 242	Bohart	1945
	---; Oct.-Dec.; 242	Russell	1931
	Moats; enter houses in the evening; 277	Barraud & Christophers	1931
	---; rare; 277	Causey	1937
<i>philippinensis</i>			
var. <i>hainanensis</i>	---; ---; 133	Stone et al.	1959
Takei			
<i>pinjaurensis</i>	---; ---; 143	Stone et al.	1959
Barraud			
<i>pleccau</i>	In springs, brooks with stony beds; at high altitudes, Oct.; 77	Koidzumi	1930
Koidzumi			
<i>plumbeus</i>	Concealed places, artificial containers, under roots, tree holes; ---; 28	Shtakelberg	1925 +
Stephens			
	Muddy water; ---; 28	Rukhadze	1926 a +
	---; experimentally infected with malaria; 28°, 118°, 318°, 321. Tree holes; experimental transmission of malaria; 317°	Shtakelberg	1937
	Tree holes; enters houses, bites man, above 6000 feet elevation; 31°	Christophers	1916
	Tree holes; ---; 35	Veisig	1937
	---; ---; 118°	Shlenova	1941
	Tree holes, artificial containers; forests; 118	Zolotnikova	1929
	Tree holes, small pools in the jungle; ---; 143°	Christophers & Chand	1916
	Tree holes, springs, streams, ground pools, swamps, artificial containers; ---; 150, 256, 318	Logan et al.	1953 +
	---; ---; 162	Smart	1943 +
	---; ---; 235	Christophers	1920
	Rice fields, irrigation ditches; ---; 256	Zvyagintzev	1939
	---; tree holes, in houses, severely bites at night; 256°	Shlenova	1938 +

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>ANOPHELES plumbeus</i> Stephens (cont.)	---; forests; 256*	Danilova & Lappin	1937
	---; ---; 303	Senevat & Andarelli	1956
	---; ---; 317	Stone et al.	1959
	---; ---; 318 (Irrigation systems)	Petrishcheva	1931
	---; forests; 318	Beklemishev & Zhelokhovtzev	1945 +
	Tree holes; ---; 321	Shakhov	1928 a
	---; bites man during day; 321*	Shakhov	1928 +
	Open reservoirs; ---; 345	Montchadskii	1926
	Tree holes; ---; 345*, 350*	Macan	1942
	---; enters houses, bites man day and night; 345*, 350*	Russell et al.	1943
<i>plumbeus barianensis</i> James	---; ---; 143	Iyengar	1928
<i>plumiger</i> Donitz	---; ---; 139	Stone et al.	1959
<i>pretoriensis</i> Theobald	---; ---; 25	Bedford	1928
	Streams and pools with no vegetation or shade; in houses; 270	Macan	1942
<i>pseudo-barbirostris</i> Ludlow	Clear densely shaded pool; ---; 70	Carter	1925
	---; extremely rare; 70	D'Abrera	1944
	---; ---; 143	Smart	1943 +
	Sunlit pools; ---; 145. ---; ---; 147	Bonne-Wepster & Swellengrebel	1953
	Spring with vegetation, lake thickly vegetated; May and Aug.; 242	Baisas	1931
	Ditches, canals and rice fields; ---; 242	Simmons	1942 +
<i>pseudojamesi</i> Strickland & Choudhury	Stagnant ponds and ditches; ---; 143	Iyengar	1930 a
	---; naturally infected with <i>Wuchereria bancrofti</i> ; 143	Manson-Bahr	1959
	---; experimentally infected and experimental vector of <i>W. bancrofti</i> ; 143	Raghavan	1961
	---; all year; 143	Iyengar	1932

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>ANOPHELES</i>	---; ---; 28	Popoff	1924
<i>pseudopictus</i>	Rice fields, flooded lowlands, rain puddles, pools, springs, drainage ditches; ---; 35	Voskressenskii & Brenn	1928 +
Grassi	---; ---; 76, 190	Christophers	1920
	---; ---; 118	Ermolov	1914
	---; ---; 144	Koun	1926
	---; ---; 317	Hakki	1931 +
<i>pseudo-sinensis</i>	Large bodies of water with aquatic vegetations; ---; 242	Bonne-Wepster & Swellen-grebel	1953
Balsas			
<i>pujutensis</i>	---; ---; 59, 149, 190	Stone et al.	1959
Colless			
<i>pulcherrimus</i>	Brackish wells; ---; 2	Leeson	1948
Theobald	---; ---; 3, 154, 174, 270, 302	Stone et al.	1959
	Swamps, stagnant grassy drains; ---; 25	Buxton	1944 +
	---; naturally infected with malaria; 31, 151, 235. ---; ---; 37, 150. Open water with vegetation, large swamps, stagnant pools, rice fields; ---; 162. ---; naturally infected with malaria, enters houses; 326. ---; ---; 345 (In houses, bites man day and night)	Covell	1944
	---; ---; 31, 150, 162, 235, 345 (Swamps, vicious biter)	Roy & Brown	1954
	Flooded irrigation ditches; ---; 35	Trofimov	1942
	Swamps; ---; 35	Trofimov	1939
	Semi-stagnant drains with grass, reservoir, seepage pits, irrigation wells, swamps; May; 37	Afridi & Majid	1938 a
	---; ---; 76	Wu	1936 a +
	---; ---; 122	James & Liston	1904 +
	In shallow pools; in houses; 143, 235	Christophers	1916
	Marshes; bites man viciously day and night; 143°, 342°	Macan	1942
	Open water with vegetation; ---; 143, 345	Russell et al.	1943
	---; naturally infected with malaria; 143. ---; ---; 151*, 345* (Open water with vegetation, swamps, stagnated pools and rice fields, in houses, bites man)	Boyd	1949

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>ANOPHELES pulcherrimus</i> Theobald (cont.)	---; common; 143, 151. ---; common in plains; 293	Christophers	1921
	Clean or stagnant water with vegetation, weedy irrigation channels; Apr.-June, Oct., in houses; 150, 151	Macan	1950 +
	---; suspected vector of malaria; 150	Russell	1956
	Marshy areas, channels, ponds; bites both day and night in tents; 151°	Patton	1920
	---; ---; 151, 303, 318, 321, 345 (Lakes, pools, bites man)	Shtakelberg	1937
	Weeds, stagnant brackish water pools near desert edge; Oct.; 151	Barraud	1920
	---; suspected vector of malaria; 151, 162, 345 (Shallow herbaceous ponds, swamps, rice fields, seepages, rain puddles, salty water, nocturnal, sometime diurnal, bites man in and outdoors)	Peus	1942
	Irrigation system, lakes, areas flooded by mountain rivers; common in desert area and foothills; 162	Balkashina	1939 +
	Overwinters as larva; enters houses; 162*. Running water; ---; 326*	Vassiliev	1913 +
	Streams with dense algae, irrigation ditches, sunlit water along banks of springs and mountain streams, depressions in sandy river shoals, flooded meadows, small pools; rarely enters houses; 166	Petrishcheva & Polyakov	1940 +
	Rain water pool; rare, June-July; 235	Sinton	1917
	---; valleys of rivers traversing desert or semi-desert; 256	Beklemishev & Zhelokhovtzev	1945 +
	---; ---; 256*, 354 (Flat weedy ponds, damp lowlands, rice fields, salty water, outdoors, likes to come indoors, attracted to lights, bites man)	Martini	1930
	River edges; ---; 302	Leeson	1950 +
	---; ---; 303*	Keshish'yan	1941 +
	Lakes and streams; ---; 318	Petrishcheva	1936 +
	---; enter houses, common on banks of rivers and among vegetation; 318*°	Mitrofanova	1941
	Irrigation systems; ---; 318	Petrishcheva	1931 +
	Running water; common July, Aug.; 326	Brodski	1923 +

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>ANOPHELES</i> <i>pulcherrimus</i> Theobald (cont.)	Swamp-fed springs, drainage and irrigation ditches, rice fields; ---; 326	Ulitcheva	1943 +
	---; experimentally infected with malaria; 326	Simanin	1930 +
	Stagnant water in irrigation ditches; ---; 345	Zaitzev	1934 +
	---; ---; 349	de Mello & Afonso	1921
	---; enters houses; 354	Christophers	1933
<i>pullus</i> Yamada	Cool springs or pools and in the shade of trees on high land; anthropophilic, April and May, Sept.-Nov.; 168°	Hsiao	1948
	Shaded ponds; enters houses, May-Nov.; 168	Yamada	1937 +
<i>punctibasis</i> Edwards	---; ---; 76	Faust	1926
	Muddy pool; ---; 158	Lamborn	1922
<i>punctulatus</i> Dönitz	---; ---; 76	Faust	1926
	---; ---; 77	Secrete	1916 +
	---; ---; 143	Christophers	1921
	---; ---; 144	Koun	1926
	---; in houses and in hospital near the swamps, Apr., May and July; 145	Roper	1914
	---; ---; 147* (Sunlit, natural and artificial water collections, banks of rivers and creeks, drains, trenches, swamps, hoof prints, enter houses to bite)	Covell	1944
	---; ---; 147 (Exposed water collections, seldom indoors, bites man, dangerous malaria carrier, infected with <i>Wuchereria bancrofti</i>)	Bonne-Wepster & Swellen- grebel	1953
	---; ---; 149	Doorenbos	1931
	---; enters houses, March, Oct.; 277°	Barnes	1923
	---; ---; 277	Barnes	1923 a
<i>punctulatus</i> <i>molluccensis</i> Swellengrebel & Swell. de Graaf	---; naturally infected with <i>Wuchereria bancrofti</i> ; 145	Manson- Bahr	1959
	---; ---; 147* (Sunlit natural and artificial water, banks of rivers and creeks, drains, trenches, swamps, hoof prints, enter houses to bite)	Covell	1944

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>ANOPHELES</i>	---; ---; 70	Senior-White	1925
<i>punctulatus</i>	Roadside puddles; ---; 143	Iyengar	1924
var. <i>tesselatus</i>	---; ---; 144	Lefebvre	1938
Theobald	---; ---; 145	Kariadi	1938
	---; ---; 147	Edwards	1921
<i>ramsayi</i>	Clear, standing water in pools with algae, swamps, grassy tanks and permanent pools; enter houses; 59°, 70°	Christophers	1933 +
Covell	---; rare; 59	Puri	1927
	---; rare; 70	D'Abrera	1944
	Pools with algae, swamps, grassy tanks and clear-water swamps; naturally infected with malaria; 143. ---; ---; 144. ---; suspected vector of malaria; 190 (In houses)	Bonne-Wepster & Swellen-grebel	1953
	Artificial lake, low-lying garden; infected with sporozoites, natural carrier of malaria; 143	Ramsay	1930
	In <i>Pistia stratiotes</i> ; fairly common; 143	Senior-White, Adhikari, Ramakrishna & Roy	1943
	Tanks and swamps with <i>Pistia</i> ; ---; 143	Roy & Brown	1954
	Ditches and ponds; ---; 143	Iyengar	1931 a
	---; July; 143	Senior-White	1934
	---; ---; 143°	Ramsay	1930 a
	---; ---; 146, 149 277. In <i>Pistia stratiotes</i> ; ---; 366 (Rain water pools, tanks and swamps with vegetation, enters houses)	Covell	1944
	Ponds; dry lowlands and delta; 233	Iyengar	1930 +
	---; ---; 235	Covell	1927
	Large grass swamp; in trains, Aug.-Nov.; 277	Barraud & Christophers	1931
<i>relictus</i>	---; ---; 326	Stone et al.	1959
Shingarev			
<i>rhodesiensis</i>	Small pools in beds of river; ---; 2. Holes in volcanic rock fed by underground water; ---; 233	Christophers & Chand	1915
Theobald			

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>ANOPHELES</i>	---; ---; 25	Séguy	1924
<i>rhodesiensis</i>	---		
Theobald	---; ---; 143. ---; rare; 235	Sinton	1917
(cont.)	---		
	---; ---; 150, 342. River bed pools, wells; ---; 233	Covell	1927 +

	---; ---; 151	Christophers & Shortt	1921 b
	Surface water pools; Mar.-May, Oct.; 233	Gill	1916
	In sluggish streams, irrigation channels; in houses; 235	Christophers	1916

	---; ---; 270	Stone et al.	1959
<i>rhodesiensis</i>	---		
<i>rupicolus</i>	---; ---; 2, 159, 174, 270, 302, 335	Stone et al.	1959
Lewis	---		
<i>riparis</i>	---		
King & Baisas	---; ---; 242	Stone et al.	1959
<i>riparis</i>	---		
<i>macarthuri</i>	---; ---; 145, 190	Stone et al.	1959
Colless	---		
	---; ---; 277	Scanlon & Sandhinand	1965
<i>roperi</i>	---		
Reid	---; ---; 145, 149. Jungle pools; ---; 190 (Jungle streams with decaying leaves, bites during the day)	Bonne-Wepster & Swellen- grebel	1953
<i>rossi</i>	---		
Giles	---; ---; 11. ---; experimentally infected with <i>Plasmodium falciparum</i> , <i>P. vivax</i> ; 77, 149, 242. ---; enters houses, experimentally infected with <i>P. vivax</i> , <i>P. falciparum</i> , <i>P. malariae</i> ; 143. ---; experimental transmission of malaria, naturally infected with malaria; 190	Gill	1925

	---; ---; 59, 70	Christophers	1921
	---; carrier of malaria and filariasis; 76, 77, 143, 144	Faust	1926 a
	In freshly formed pools, often muddy rain pools, more during monsoon; common in houses, experimentally and naturally infected with malaria; 143°. ---; experimentally infected with malaria; 242	Christophers	1916
	Streams, artificial containers, pools, shallow foul puddles; domestic; 143. Streams, artificial containers, pool; Dec.; 235	Strickland & Chowdhury	1927
	Small muddy pools near houses and shallow pools; common, Apr., July-Dec.; 143	Hodgson	1914
	Temporary rain pools, irrigation channels, borrow pits, tanks, river floods; ---; 143	Senior-White	1928

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>ANOPHELES</i>	Lake among weeds; ---; 143	Annandale & Kemp	1916
<i>rossi</i>			
Giles	Wells; ---; 143	Fletcher	1924
(cont.)	In warm lime springs; ---; 145, 146, 147, 149	Brug	1931 a
	Mud holes; ---; 190	Lamborn	1922 a
	Any collection of water clean or dirty; common, Aug.-Oct.; 235	Sinton	1917
	Sunlit water, fresh and brackish water, salt beds, irrigated rice fields, carabao wallows, tracks, holes and troughs filled with water, foul water in tanks; in houses, infected with oocysts and sporozoites; 242°	Walker & Barber	1914
	Ponds; ---; 242	Mieldazis	1930
	---; common, enters houses, Dec.; 277°	Barnes	1923
	---; buildings, common; 277	Barraud & Christophers	1931
	---; ---; 349	de Mello & Afonso	1921
<i>rossi</i>	---; ---; 139	Anonymous	1915
var. <i>indefinatus</i>	---; Jan.-Feb., enters houses; 143	Watson	1924
(Ludlow)	---; March and June; 149	Stanton	1915
<i>rossi</i>	---; ---; 59, 143 (Carrier of malaria)	Christophers	1916
var. <i>vagus</i>	Swamps, river bed, well; Dec., Jan., Mar.-Apr., June; 70	Senior-White	1920 a
(Dönitz)	---; ---; 122	de Mello & Afonso	1921
	Streams, ponds, swamps, ditches, rice fields, pools; Sept.; 143. Streams, borrow pits, ditches, pools; Dec.; 235	Strickland & Chowdhury	1927
	---; cattle sheds, Oct.-Nov.; 143	Shortt	1924
<i>rupicolus</i>	Shaded springs; ---; 159	Lumsden & Yofe	1950
Lewis			
<i>sacharovi</i>	Salty water; enters houses, active June-Sept.; 3*, 150, 256*	Lindberg	1949
Favre	Rice fields; ---; 28	Ananyan	1930 a +

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>ANOPHELES sacharovi Favre (cont.)</i>	Shallow, warm, standing sunlit water with dense vegetation, fresh and brackish water; ---; 31	Feng	1938
	---; enter houses; 31°. ---; ---; 166, 345	Hsiao	1945
	---; ---; 35	Kandelaki	1927 +
	Coastal marshes; enters houses, bites day and night; 76°, 150°, 151°, 256°, 321°, 345°. ---; enters houses; 342*	Russell et al.	1943
	---; possible vector of malaria; 76. ---; ---; 150*, 151*. ---; ---; 154*, 302*. ---; spring and summer vector of malaria; 159*	Russell	1956
	---; carrier of malaria; 76	Feng	1935
	---; plains; 118	Kalandadze & Sagatellova	1938
	Rice fields, swampy areas, rivers overgrown with vegetation; in houses; 150. Shaded tidal creeks, rice fields, rivers heavily overgrown with vegetation, swamps; common, Jan.-May, July-Dec., in houses; 151	Macan	1950 +
	---; carrier of malaria; 151, 162, 302, 342	Roy & Brown	1954
	---; possible vector of malaria, May-July, Oct.-Nov.; 154	Garrett- Jones	1962
	---; Apr.-June, Oct.-Dec., enters houses; 154	Lumsden	1950 +
	Brackish water, stagnant pools, wells, swamps and reservoirs overgrown with algae; Mar.-Nov.; 159	Anonymous	1944 c
	Marshes, lakes, ponds, ditches, streams, foot springs in usually unshaded seepages; enters houses; 159°, 302	Lumsden & Yofe	1950 +
	Rice fields; enters houses; 162	Vel'tishchev	1943
	Running water in irrigation canals and springs, sometimes stagnant water; ---; 162	Senevet & Andarelli	1956
	---; naturally infected with malaria; 162	Vinogradskayo	1936
	Large and small collections of semi-stagnant water with vegetation; bites man indoors at night; 174*°, 302°	Leeson	1950 +
	---; caves and tree holes; 174°	Sautet & Marneffe	1943 +
	---; plains, plateaus and coastal areas; 174, 302	Berberian	1946 +

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>ANOPHELES sacharovi Favre (cont.)</i>	Rice fields and flooded irrigation ditches; ---; 256	Zvyagintzev	1939
	Mineral water with dense vegetation; ---; 256	Chaikin & Enikolopov	1935
	River floods; ---; 256	Terdschanian	1929 +
	---; ---; 303*	Latushev	1929
	Saline water, marshes, lakes, rice fields, slow streams; important carrier of malaria; 317	Anonymous	1944
	Stagnant, exposed, shallow water with vegetation; in houses; 317	Sabit	1927 +
	Artificial water holes, irrigation channels; ---; 317	Martini	1927 +
	---; ---; 317*	Hakki	1934 +
	Rivers, springs, marshes; ---; 318	Orlowa & Schachow	1936 +
	Lakes, streams, swamps; ---; 318	Petrishcheva	1936 +
	Irrigation systems; ---; 318	Petrishcheva	1931
	Swamps, unused clay pits, brackish water; ---; 326	Kazantzev	1932 +
	Rice fields; ---; 326	Khodukin	1927
	---; experimentally infected with malaria; 326	Simanin	1930 +
	Swamps and stagnant pools; Dec.; 342	Anonymous	1929
	Puddles, dry river beds; ---; 342	Anonymous	1930
	---; in mountain caves and marshy thicket; 342	Reitler & Saliternik	1929 +
	---; Mar.-July, Oct., Nov.; 342	Kligler	1928 +
	---; ---; 350	Wu	1940
	---; ---; 354	Martini	1928 +
<i>samarensis</i> Rozeboom	Brackish water; near the sea coast; 242	Rozeboom	1951
<i>saperoi</i> Bohart & Ingram	---; bites in shade of woods during day; 257°	Bohart & Ingram	1946
<i>saungi</i> Colless	---; ---; 145	Stone et al.	1959

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>PROPHES</i> <i>schueffneri</i> Stanton	Drains, wells, streams, artificial containers; ---; 146	Gater	1934 +
	Ponds; ---; 146, 149	Russell et al.	1943
	---; ---; 146, 149 (Jungle swamps, coastal pools, with vegetation, rice fields, near houses)	Bonne-Wepster & Swellen- grebel	1953
<i>selenyensis</i> Ludlow	---; ---; 256	Stone et al.	1959
<i>separatus</i> (Leicester)	Rice fields, water with vegetation; enters houses; 145	Farner	1943 +
	Brackish water; ---; 145, 149, 150	Reid & Hodkins	1950 +
	---; enter tents; 145°. Common on swamps away from the jungle, rarely amongst low or open vegetation and seems to show a strong preference for the more heavily shaded situations, occasionally along the jungle fringe; ---; 190	Colless	1948
	---; possible vector of malaria; 145	McArthur	1950
	---; ---; 145 (Shady places in streams, pond, swamps, pools, drains)	Bonne-Wepster & Swellen- grebel	1953
	---; ---; 146	Swellen- grebel	1920 +
	---; -- ; 147, 277	Stone et al.	1959
	---; ---; 149. ---; naturally infected with malaria; 190 (Pools and streams up to 5000 feet, open swamps outside the jungle, shady wells, in deep jungle, enter houses)	Covell	1944
	Pools, streams at about 5000 feet elevation; rarely in houses, common in deep jungles; 190	Russell et al.	1943
	Large swampy pools; ---; 190	Lamborn	1922 a
	---; infected with sporozoites, carrier of malaria; 190	Hodgkin et al.	1935
<i>sergenti</i> (Theobald)	Brackish wells; ---; 2	Leeson	1948
	Pools, swamps, often in fresh water oasis; ---; 31, 143, 302	Macan	1942
	---; May; 37	Afridi & Majid	1938 a

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>ANOPHELES sergentii</i> (Theobald) (cont.)	---; ---; 143, 302, 342* (Rice fields, borrow pits, irrigation ditches with vegetation, seepages and drains, enters houses, bites at night)	Russell et al.	1943
	---; ---; 150*	Gutzevich	1948 +
	Slowly moving streams, irrigation channels, seepages under rocks and pebbles; Sept.-Nov.; 154, 159	Anonymous	1944 c
	Swamp; enter houses; 154	Kligler	1924 a
	Moving water; ---; 154	Kligler	1928
	---; bites in and outdoors, Sept.-Oct.; 154*°. ---; seldom enters houses, Oct. and Nov.; 159*. ---; ---; 302*. ---; suspected vector of malaria; 313, 332	Russell	1956
	---; Apr.-June, Oct.-Dec., enter houses; 154	Lumsden & Yofe	1950 +
	---; possible vector of malaria, in hills and rift valley, May-June, Oct.-Nov.; 158	Garrett-Jones	1962
	---; bushes in open fields in evening, bites in open, rests in caves, travel long distances; 159	Shapiro et al.	1944 +
	Swamps, irrigation ditches, muddy pools, rock pools; in houses; 174, 302	Leeson	1950 +
	Swampy places, pools, river margins, water in dry river beds, cisterns, wells, artificial containers, in sun or shade; enters houses at night; 233*°	Peus	1942 +
	Small pools, springs, irrigation channels, streams, river and stream pools, seepages, rice fields, in caves, houses and karezes; 235	Boyd	1949
	Running, pebbly water; ---; 302	Anonymous	1944
	Hoof prints; desert regions; 317	Irdem	1942 +
	---; ---; 340	Stone et al.	1959
	Swamps, streams, pools, low-lying areas flooded by rivers, borrow pits, seepage, puddles, shores with vegetation and gravel; June-Sept., Nov.; 342	Shapiro	1933
	Small area of water, needs vegetation, under stones; closely associated with malaria; 342°	Buxton	1924 a
	Clear water, drying up wadi beds, hoof marks; domestic; 342	Stuart	1933
	---; July-Sept.; 342	Senevet & Andarelli	1956

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>ANOPHELES</i> <i>similissimus</i> Strickland & Choudhury	---; ---; 149	Bonne-Wepster & Swellen- grebel	195
	Pools, drains, swamps, streams, wells, ponds, usually under shade; ---; 190	Gater	1934 +
<i>sinlensis</i> (James)	---; ---; 143	Brunetti	1917
<i>sinensis</i> Wiedemann	---; ---; 3, 257	Stone et al.	1959
	Open or grass covered stagnant water, in ponds, wells, drains, mountain valleys and foothills; ---; 59°	Wilcocks	1944 +
	---; ---; 59, 76, 144, 190, 277 (Still or slow moving, fresh or occasionally brackish water, usually un- shaded, rice fields, lakes, swamps, borrow pits, grassy pools and ditches, in houses by day)	Bonne-Wepster & Swellen- grebel	1953
	Rice field and well; ---; 70	Senior-White	1928
	River and paddy; ---; 70	Senior-White	1920
	---; naturally infected with malaria; 70, 76, 158, 190, 337. ---; possible vector of malaria; 77, 168. ---; Nov., Dec., naturally infected with malaria; 144*. ---; ---; 149*	Gaschen & Marneffe	1936
	Mountain lake; in high altitude, suspected biter, vector of malaria; 76	Gaschen	1935 a
	Rice fields; ---; 76*, 77*, 139*, 158*, 168*, 185*. ---; possible vector of malaria; 149	Russell	1956
	---; in houses, bites in deep shade and by night, in plains, experimentally infected with <i>Plasmodium</i> <i>vivax</i> and <i>Wuchereria malayi</i> ; 76° (Possible vector of <i>W. bancrofti</i>). ---; in houses by night, Aug.; 257*	Bohart & Ingram	1946
	---; naturally and experimentally infected with <i>W.</i> <i>bancrofti</i> , possible vector of <i>W. malayi</i> ; 76	Raghavan	1961
	---; malaria carrier; 76, 77, 158	Faust	1926 a
	---; common; 77, 158	Koidzumi	1930
	---; ---; 122	de Mello	1934
	---; ---; 139	Anonymous	1915
	Tanks, irrigation channels; Sept.-Nov.; 143	Senior-White	1928 a

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>ANOPHELES sinensis Wiedemann (cont.)</i>	Lakes, cisterns; ---; 143, 144, 149, 277. Rice fields, pools, swamps, borrow pits, cisterns, irrigation ditches, margins of slow flowing streams and lakes; ---; 145, 146. Lakes, cisterns; Oct.-Aug.; 190	Farner et al.	1946 +
	Artificial containers, streams, swamps, borrow pits, ditches, rice fields, pools; ---; 143, 235. ---; Nov.; 235	Strickland & Chowdhury	1927
	---; Jan.-Feb., enter houses; 143	Watson	1924
	---; open area outside jungle; 143	Iyengar	1930 b
	Rock pools with dense vegetation; ---; 144	Borel	1927 a
	Stagnant water of furrows; ---; 144	Borel	1926 c
	---; all year, in houses, naturally infected with malaria; 144°	Raynal & Gaschen	1935
	---; rare; 144	Borel	1926 a
	Lakes, bay and ponds; ---; 145, 146, 149	Brug	1931 a
	---; enters houses, naturally infected with malaria; 146	Soesilo	1935 +
	---; naturally infected with <i>W. malayi</i> ; 146	Rodenwaldt	1934 +
	Stagnant water in open terrain; in dwellings, carrier of malaria; 149	Doorenbos	1931
	Marshes or river bank, creeks; Jan. and Dec.; 151	Barraud	1920
	Swamps; river boats; 151	Acton	1919
	---; ---; 154	Austen	1919
	Artificial containers, concrete tanks, rice paddies, ground pools with marginal vegetation; night biter, naturally infected and suspected vector of Japanese "B" encephalitis, April-Dec.; 158	La Casse & Yamaguti	1950
	Ponds, marshes, ditches, rice fields, slow moving streams; intermediate host of <i>W. bancrofti</i> , experimentally infected with <i>P. vivax</i> and <i>P. malariae</i> , indoors; 158°	Hsiao & Bohart	1946
	---; experimentally infected with malaria; 158	Christophers	1916

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>ANOPHELES</i> <i>sinensis</i> Wiedemann (cont.)	Artificial containers, rice fields, pools, swamps, marshes, ditches, slow flowing streams with dense vegetation; enters houses and bites during night, Mar. and Apr., June-Sept.; 168*°	Hsiao	1948
	Swamps, ponds; Aug.; 190	Lamborn	1922 a
	In an algae covered pool; ---; 190. Duck ponds; ---; 280	Smart	1914
	---; experimentally infected with <i>P. falciparum</i> and <i>P. vivax</i> ; 190	Milne	1947 +
	---; ---; 218	Puri	1948 +
	---; foothills to estuaries; 235	Iyengar	1930 +
	Spring with vegetation and small lake thickly vegetated; May and Aug.; 242	Baisas	1931
	Rice paddy; rare; 242°	Walker & Barber	1914
	Slow flowing vegetated canals and ponds, imounded spring water, shallow edges of lakes with algae and <i>Chara</i> ; ---; 242	Russell & Baisas	1935
	---; ---; 256, 354	Martini	1928 +
	Grassy portions of fallow land and in grassy ditches and ponds; common, enter houses in the evening, Oct.; 277°	Barnes	1923
	---; Nov.; 277	Barnes	1923 a
	Brackish water; ---; 317	Vogel & Martini	1927 +
	Rice fields; ---; 317	Martini	1928 a
	---; ---; 349	de Mello & Afonso	1921
<i>sinensis</i> var. <i>vanus</i> Theobald	Swamps, rice fields, water with vegetation; may bite man in the open, rare in houses; 59, 143	Christophers	1916
	---; ---; 149	Doorenbos	1931
	Swamps; ---; 151	Christophers & Shortt	1921 b
<i>sineroides</i> Yamada	Cold spring pools, marshes, running water; in houses, only partial development of <i>Wuchereria bancrofti</i> ; 76°, 158°, 168°	Hsiao	1948

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>ANOPHELES</i>	---; experimentally infected with <i>W. bancrofti</i> ; 76	Feng	1938 +
<i>sineroides</i>	Fresh clean, shaded water, ditches, ground pools; ---; 158	La Casse & Yamaguti	1950
Yamada (cont.)	Slow flowing water, pools, marshes; ---; 158	Hsiao & Bohart	1946
	Ditches, streams, ground pools, tanks; ---; 168	Barnett & Toshioka	1951
<i>sintoni</i>	Tree holes in forest; ---; 143	Boyd	1949
Puri			
<i>sintonoides</i>	Tree holes; ---; 76	Russell et al.	1943
Ho	Tree holes; ---; 133	Hsiao	1945
<i>sogdianus</i>	Mountain stream pools; ---; 150	Macan	1950 +
Keshishian	Clear, shaded water of hill streams; ---; 303	Russell et al.	1943
	Hill streams; ---; 345	Macan	1942
<i>solomonis</i>	River tributaries up to 1500 feet; ---; 146, 147	Boyd	1949 +
(Belkin, Knight & Rozeboom)			
<i>splendidus</i>	---; ---; 3, 235	Stone et al.	1959
Koidzumi	River bed pools, ponds with vegetation; Sept.-Oct.; 59, 143. ---; ---; 122	Christophers	1933 +
	---; active at night; 59	Macan	1948
	Pools, river beds with stony or sandy bottom, earthen jars with rain water in open fields; in houses; 76°. ---; infected with oocyst; 139	Feng	1938
	Pools and river beds with sandy bottoms, puddles along streams, artificial containers; rare, naturally infected with malaria; 76°. ---; ---; 133	Hsiao	1945
	---; naturally infected with malaria, all year; 76, 133, 139	Feng	1937
	---; ---; 76, 144, 277. ---; naturally infected with malaria; 77, 139, 143 (Small pools with vegetation, river beds, seepage pools, tanks, sluggish streams, enters houses to feed on man)	Covell	1944

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>ANOPHELES splendidus</i> Koidzumi (cont.)	---; ---; 76, 77, 143, 144, 277 (Pools with algae and other vegetation, river beds, artificial containers, slow streams, in houses, occasionally infected with malaria)	Boyd	1949
	Streams, small pockets of water in sugar cane fields; ---; 77	Chow	1949 b
	---; experimentally infected with <i>Plasmodium falciparum</i> ; 77. ---; in buildings, experimentally infected with <i>P. falciparum</i> ; 143. ---; ---; 144, 277 (Small pools of small streams, in clear or muddy water with marginal vegetation, irrigation channels, seepages)	Bonne-Wepster & Swellen-grebel	1953
	Water flowing through grass, grassy pools, abandoned rice fields; naturally infected with <i>Wuchereria bancrofti</i> , rare; 139	Jackson	1938
	Growing rice fields, field and irrigation channels, hill streams and spring pools; in dwellings; 143	Russell & Jacob	1942
	River and in large collection of water and marshes; ---; 143	Srivastava	1950
	Small pools with aquatic vegetation; ---; 143	Roy & Brown	1954
	---; ---; 158	Yamada	1925 +
	---; bites in evening; 277°	Barraud & Christophers	1931 +
	---; ---; 143	Puri	1928 a
<i>squamosus</i> Theobald	---; ---; 3, 277, 313	Stone et al.	1959
<i>stephensi</i> Liston	Drains and leakages, wells; enters houses, naturally infected with malaria; 25°	Buxton	1944 +
	Pools in stream bed and irrigation channels; carrier of malaria; 25*, 151*	Macan	1942
	---; ---; 25, 59, 150, 151 (Wells, cisterns, artificial containers, enter houses, anthropophilic)	Hsiao	1945
	Shallow wells, irrigation channels, seepage pools and swamps, cement reservoir, garden pits with seepage water, pools of leakage from artesian wells; naturally infected with malaria, enters houses, May-June; 37	Afridi & Majid	1938 a

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>ANOPHELES stephensi</i> Liston (cont.)	Drains; ---; 37*. ---; ---; 76, 143°, 151 (Drains, wells, cisterns, foundations, artificial containers, pools, stream beds and margins of streams, seepages, and marshy areas, irrigation channels, reservoirs, springs, bites man)	Covell	1944
	Pools in river beds, small pools near streams, in pots, cisterns; in houses, experimentally and naturally infected with malaria; 59, 143, 235	Christophers	1916
	River edge, streams, seepages; Feb., Mar., May, active by day and night; 59	Macan	1948
	---; ---; 59, 340 (Wells, cisterns, stream beds and margins, seepages, irrigation channels and springs, artificial containers, feeds on man)	Boyd	1949
	---; domestic; 122	de Mello	1938 +
	Artificial containers, brackish pool with vegetation, ditch, ponds covered with algae; ---; 143	Chalam	1927
	Wells, pools, slowly moving stream; carrier of malaria; 143	Hodgson	1914
	Irrigation channels; Mar.-May; 143	Senior-White	1928 a
	Mill areas; May-Nov.; 143	Singh & Jacob	1943
	Salt pans, drums filled with sea water and diluted with rain water; ---; 143	Bana	1943
	Tanks, open earth drains, rain water puddles; ---; 143	Roy	1931
	Unused wells containing brackish water; ---; 143	Jaswant Singh	1933
	---; experimentally infected with <i>Plasmodium falciparum</i> , <i>P. vivax</i> and <i>P. malariae</i> , sporozoite infections of the salivary glands; 143	Iyengar	1933
	---; experimentally infected with <i>Wuchereria bancrofti</i> ; 143	Raghavan	1961
	---; intermediate host of <i>W. bancrofti</i> ; 143	Basu & Sundar Rao	1939
	---; naturally infected with <i>W. bancrofti</i> ; 143*	Manson-Bahr	1959
	---; dry regions and upper delta; 143, 235	Iyengar	1930
	---; Jan.-Feb.; 143	Abraham & Samuels	1944

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>ANOPHELES</i>	---; ---; 143*, 150*, 235*	Russell	1956
<i>stephensi</i>	---; ---; 144	Toumanoff	1933
Liston (cont.)	Small stagnant and seepage pools, borrow pits, irrigation channels; May, June, Oct.; 150°. Stagnant pools in irrigation channels, borrow pits, seepage pools and hoof prints, with or without vegetation or organic matter; in houses, all year; 151	Macan	1950 +
	---; carrier of malaria; 150, 342. ---; ---; 190	Roy & Brown	1954
	Clear pools in cultivated belt, swampy areas, creeks and irrigation canals; ---; 151	Barraud	1920
	Stagnant water in irrigation ditches, shallow wells; ---; 151. Pits; ---; 302	Christophers & Shortt	1921 b
	Cisterns and brackish pools; Oct.-Dec.; 233	Gill	1916
	Almost any collection of water; very common, May-Oct.; 235	Sinton	1917
	---; ---; 242	Bezzi	1913
	Drains in gardens and date-palm groves, wells and borrow pits; Jan.; 210	Leeson	1948
	Swamps; carrier of malaria; 302	Christophers & Shortt	1921
	Channels and water cuts among date-palms; ---; 302	Patton	1920
	---; ---; 349	de Mello & Afonso	1921
<i>stephensi</i>	Irrigation channels, stream margins, wells; <i>mysorensis</i> naturally and experimentally infected with malaria; Sweet & Rao 143, 235	Covell	1944
	---; Aug., Oct., Nov., Jan. and Feb.; 143*	Senior-White & Venkat Rao	1943
<i>stephensi</i>	---; ---; 25, 59, 143, 150, 151 (Wells, cisterns, <i>stephensi</i> artificial containers, in houses, and barracks, Liston important vector in urban areas)	Russell et al.	1943
<i>stookesi</i>	---; ---; 145	Stone et al.	1959
Colless			
<i>subpictus</i>	---; ---; 3, 150, 191, 218	Stone et al.	1959
Grassi			

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
ANOPHELES <i>subpictus</i> Grassi (cont.)	Brick pits, drains, garden furrows, rice fields; ---; 59, 70. Clear or polluted water, borrow and brick pits, drains, irrigation ditches, pools, garden furrows, roof gutters, rice fields; ---; 139°, 242	Farner et al.	1946 +
	---; Sept., Oct., active at night; 59	Macan	1948
	---; ---; 59, 70, 77, 143, 147, 149, 242, 277. ---; naturally infected with malaria; 145 (Temporary or permanent collection of water, brackish pools, borrow pits, buffalo wallows, artificial containers, enters houses, bites man)	Covell	1944
	---; ---; 59, 70, 145, 146, 147, 149, 277. ---; in houses; 337 (All types of waters, experimentally infected with <i>Plasmodium falciparum</i> and <i>P. vivax</i>)	Bonne-Wepster & Swellen-grebel	1953
	---; ---; 59, 70, 143, 277. ---; carrier of malaria; 145 (Borrow pits, buffalo wallows, roof gutters, in houses, bites man)	Boyd	1949
	---; human baited traps, in houses, May-Nov., naturally infected with <i>Wuchereria malayi</i> ; 70	Carter	1948
	Brackish water; ---; 76. ---; ---; 133, 144 (Fresh or brackish ground water)	Hsiao	1945
	---; experimental transmission of malaria, naturally infected with <i>W. bancrofti</i> ; 76	Riley	1932
	---; probable vector of malaria; 76. ---; experimentally infected with malaria; 139	Faust	1929 +
	---; in houses, May, July, Dec.; 76	Chow & Balfour	1949
	Holes containing water; dry season and end of rainy season, Mar. and Oct., in houses; 122	de Mello & Bras de Sa	1935
	Borrow pits, buffalo wallows, brick pits, drains, pools, furrows, roof gutters, artificial containers, rice fields, irrigation channels, wells, weedy lake margins, moats, rivers; domestic; 143. Fish ponds; ---; 146	Christophers	1933 +
	Brackish water; in houses; 143	Iyengar	1931
	Artificial containers, brackish pools with some vegetation, ditch, ponds covered with algae; ---; 143	Chalam	1927
	River beds, tanks, wells, puddles; ---; 143	Abraham & Samuels	1944
	Rain water pools, paddy fields; ---; 143	McCombie Young & Abdul Majid	1929

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>ANOPHELES subpictus Grassi (cont.)</i>	Cement pits, sewage; ---; 143	King et al.	1929
	---; naturally and experimentally infected with <i>W. bancrofti</i> , experimentally infected with <i>W. malayi</i> ; 143*, 146*	Raghavan	1961
	---; experimentally infected with <i>P. malariae</i> , <i>P. vivax</i> , <i>P. falciparum</i> ; 143°	Roy	1943
	---; possible carrier of malaria; 143	Mayne	1928
	---; naturally infected with malaria; 143	Mayne	1928 a
	---; ---; 143*, 146*	Manson-Bahr	1959
	---; all year, in houses; 144°	Raynal & Gaschen	1935
	---; ---; 144	Gaschen	1935 b
	---; ---; 145**	Wilcocks	1944 d
	---; experimentally infected with <i>W. bancrofti</i> ; 147*, 149	Farner	1943 +
	Sunlit or partially shaded swamps, temporary brackish, salt, or fresh, domestic or polluted water; enters houses; 190*, 337°	Lee & Woodhill	1944 +
	---; Mar.-Apr., Nov.-Jan.; 190	Lamborn	1922 a
	Muddy pools, shallow bank; in houses; 235°	James	1904 +
	Brackish wells and tanks; ---; 235	Mhaskar	1913 +
	---; foothills to estuaries; 235	Iyengar	1930 +
	Sun exposed edges of large rivers, ponds, salt beds; ---; 242	Mieldazis	1930
	---; in houses at night, Oct.-Dec.; 242	Russell	1931
	Open and closed ditches, rice fields; in houses; 277	Causey	1937
	---; ---; 280	Kumm	1929 +
<i>subpictus var. indefinitus (Ludlow)</i>	Pools in fallow rice fields, ditches; ---; 76	Chow	1949 a
	Clear unshaded, fresh or brackish water in streams, pools, lakes; in houses at night; 77°	Covell	1944
	---; ---; 77, 144, 242 (Rivers, irrigation channels, wells, in houses, bites man)	Boyd	1949
	Fallow rice fields, river beds; ---; 77	Chow	1949 b

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>ANOPHELES</i> <i>subpictus</i> <i>var. indefinitus</i> (Ludlow) (cont.)	Fresh, brackish, clear or polluted water, borrow pits, wallows, pits, drains, pools, garden furrows, roof gutters, rice fields, irrigation channels; ---; 133	Farner et al.	1946 +
	---; ---; 144, 242 (Clear, unshaded, fresh water in streams, rivers, pools, irrigation ditches, lakes and wells, sometimes in brackish or ocean salt water, enters houses at night, feed on man)	Bonne-Wepster & Swellen-grebel	1953
	Clear sunlit water of streams and pools, irrigation ditches, lakes, wells, occasionally in brackish water; experimentally infected with <i>Wuchereria malaria</i> ; 242	Bohart	1945
	Shaded, vegetated creek border, temporary puddles, swamps, artificial containers; ---; 242	Bick	1949
<i>subpictus</i> <i>var. malayensis</i> Hacker	---; ---; 145	Stone et al.	1959
	Fresh or brackish water, rice fields, swamps, rivers and hoof prints; ---; 146	Stoker & Koes.	1949 +
	Borrow and brick pits, irrigation ditches, pools, roof gutters, garden furrows; ---; 190, 277	Farner et al.	1946 +
	Open swamps, ponds, drains, streams, fresh and brackish water; ---; 190°	Russell et al.	1943
	Pools near houses, large swampy pools; ---; 190	Lamborn	1922 a
	---; experimentally infected with <i>Plasmodium falciparum</i> and <i>P. vivax</i> ; 190	Bonne-Wepster & Swellen-grebel	1953
	---; enters houses; 190	Lamborn	1922 b
	---; all year; 190	Kingsbury	1932
	Weedy canals and ponds; enters houses; 277	Barraud & Christophers	1931
<i>subpictus</i> <i>rossi</i> Giles	Drains, vats, rainwater puddles; ---; 143	Roy	1931
	---; naturally infected with <i>Wuchereria bancrofti</i> , vector of nocturnal filariasis; 143*	Manson-Bahr	1959
<i>subpictus</i> <i>subpictus</i> Grassi	Hoof marks near sea shore, brackish water with vegetation; bites man; 143°	Feng	1938
	---; ---; 143, 146	Garms	1960
	---; ---; 190 (Temporary or permanent collection of water, sewage-contaminated pools, brackish water, borrow pits, artificial containers, bites man)	Russell et al.	1943
<i>subpictus</i> <i>var. vagus</i> Dönitz	---; common; 70	Carter	1925
	---; ---; 143	Patton	1922

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>ANOPHELES sundaicus</i> (Rodenwaldt)	Salt swamps; May-Sept.; 11°	Wilcocks	1944 a
	---; malaria carrier; 11*, 143, 144*, 145, 146, 337.	Covell	1944
	---; ---; 59*, 76, 190, 224*, 277* (Fresh and saline water, usually with algae, borrow pits and hoof prints in cleared mangrove areas, sewage polluted water, fish ponds, enters houses, bites man day and night)		
	Borrow pits; bites man at night, Oct. to Nov.; 59°	Macan	1950 a
	---; carrier of malaria; 59, 242, 277 (Tends to bite man, in houses). ---; ---; 143, 146 (Tends to bite man, in houses). ---; ---; 149 (Tends to bite man)	Roy & Brown	1954
	---; ---; 59, 143, 145, 146, 147, 277 (Sea water lagoons, swamps, brackish water behind coastal embankments, bites man). ---; ---; 366*	Russell et al.	1943
	---; ---; 77, 149 (Lagoons, swamps, borrow pits, hoof prints, in houses, bites man)	Boyd	1949
	---; ---; 122	de Mello	1934 +
	Foreshore, channels, tidal rivulets, casuarina pits and spring pools; enters houses; 143	Sundaresan & Appa Rao	1943
	Tanks, wells, weed belts in lake along shore; naturally infected with malaria, Jan.-July; 143	Senior-White & Adhikari	1939
	Ponds, pools, borrow pits, aquatic vegetation; ---; 143	Panigrahi	1942
	Clear water pools without vegetation; ---; 143	Christophers	1933 +
	---; naturally infected with <i>Wuchereria bancrofti</i> ; 143*, 146*	Raghavan	1961
	---; July to Dec.; 143	Sen	1948
	---; ---; 143*. Brackish sunlit pools and drains along the coast; ---; 190*. ---; ---; 235*, 337*	Russell	1956
	---; infected with malaria; 144. Fresh water collections; ---; 146 (Brackish water, in houses, bites man)	Bonne-Wepster & Swellen- grebel	1953
	Brackish water, in borrow pits and in salt marshes; common during dry season; 144	Treillard	1934
	Brackish water; ---; 145*. ---; ---; 148*. Fresh water; ---; 149 (Bites man readily). Sunlit brackish pools, lagoons and brackish fish ponds; ---; 337 (Bites man readily)	Wilcocks	1944 d

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>ANOPHELES sundaicus</i> (Rodenwaldt) (cont.)	Stagnant, brackish or fresh water in sun, with filamentous green algae; in houses, experimentally infected with <i>W. bancrofti</i> ; 146. ---; experimentally infected with <i>W. bancrofti</i> ; 149	Farner	1943 +
	Along coastal zone; ---; 146. Sunlit, brackish, standing water with much vegetation; in houses; 190	Lee & Woodhill	1944 +
	---; ---; 146 *	Hayes	1959
	---; naturally infected with malaria; 147	Simmons	1942 +
	Coastal lagoons, water with abundant <i>Enteromorpha</i> ; strong flier; 149, 190	Farner et al.	1946 +
	---; naturally infected with filaria; 149	van Beukering	1939 +
	Large pools with grassy edges, large and small drains; ---; 190	Hodgkin	1938
	---; possible vector of malaria; 190°	Wharton	1953
	---; experimentally infected with <i>Plasmodium falciparum</i> and <i>P. vivax</i> ; 190	Green	1935
	---; ---; 235	Puri	1948 +
	Brackish water; ---; 277	Wilcocks	1944 b
	---; ---; 280	Stone et al.	1959
	Brackish water not subject to tidal flushing and containing vegetation, large ponds used to cultivate a floating weed, in water without vegetation, small tidal creeks, fresh water; bites during day and small numbers during the night, enters houses; 337°	Colless	1948
	In fresh water; ---; 337	Gater	1933 b
<i>superpictus</i> Grassi	---; July-Sept.; 3*. ---; ---; 35*, 150*, 151*, 235*, 302*. ---; summer, in hilly areas; 154*. ---; July and Sept.; 159*	Russell	1956
	---; important malaria carrier; 3, 150, 162, 235, 303, 342	Roy & Brown	1954
	---; ---; 3*	Lindberg	1949
	Foul, stagnant water; ---; 28	Popov	1924
	Mountain springs; ---; 28	Ananyan	1930
	Rice fields; ---; 28	Ananyan	1929 a
	---; ---; 28, 35, 118, 143, 150, 256, 318, 326, 342, 345 (Reservoirs, bay of spring rivers, in rocks, rice fields, bites man)	Shtakelberg	1937

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>ANOPHELES superpictus Grassi (cont.)</i>	---; ---; 31, 340	Stone et al.	1959
	River bed pools, water with <i>Spirogyra</i> and <i>Desmidiaceae</i> ; July-Oct., river valley villages; 35	Bogojawlenski	1933 +
	Delta pools of brooks; ---; 35	Voskressenski & Brenn	1928 +
	---; ---; 76, 118	Kumm	1929 +
	Hill streams; ---; 143, 150, 317 (Vector of malaria)	Macan	1942
	---; May-Nov.; 143. ---; Mar., summer; 342	Senevet & Andarelli	1956
	---; malaria carrier; 143, 144	Faust	1926 a +
	---; ---; 143, 150, 151, 302, 317, 318, 342, 345 (Pools, streams, rivers, irrigation ditches with water, enter houses to bite man)	Russell et al.	1943
	Clean sunlit, moderately shallow water; Jan.-Nov., in houses; 150°, 151	Macan	1950 +
	Puddles, flooded fields, ditches with spring water, rice fields; ---; 150	Beklemishev & Gontaeva	1943 +
	Brooks, swamps; ---; 150	Gutzevich	1948 +
	---; common in summer and in autumn; 150	Gutzevich	1943
	---; mid-winter; 150. Pools in river beds, irrigation channels, vineyards; ---; 151	Christophers & Shortt	1921 b
	Rice fields around villages; ---; 151	Etherington & Sellick	1946 +
	Moving waters; possible vector of malaria; 154	Kligler	1928
	Eddies and backwaters of quickly running streams where the larvae fasten themselves to small stones; ---; 154, 159	Anonymous	1944 c
	Clear water of slow moving streams or seepage pools, under stones in wadi beds or on shore of lake; ---; 154	Kligler	1924
	Clear pools, fresh water; ---; 154, 159, 317	Barraud	1921
	Swamp; ---; 154	Kligler	1924 a
	---; naturally infected with malaria, all year, enter houses; 154	Kligler & Liebman	1928
	---; possible vector of malaria; 154	Garrett- Jones	1962

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>ANOPHELES superpictus Grassi (cont.)</i>	Springs, streams, foot prints in seepages, irrigation ditches, lakes, ponds, marshes; enters houses; 159	Lumsden & Yofe	1950
	Stones, eddies, stagnant water; ---; 159. Stones, eddies, stagnant water; enters houses, attacks man, closely associated with malaria; 342°	Buxton	1924 a
	Brackish puddles by seashore swamps; ---; 159	Shapiro et al.	1944 +
	Flooded meadows along rivers in foothills; ---; 162	Balkashina	1939
	---; over winters, in houses, carrier of malaria; 162	Vassiliev	1913
	---; ---; 162 (Shallow sunlit waters, gravelly and sandy riverbeds and ponds, valleys, snow run-offs; nocturnal, bites in and outdoors)	Peus	1942
	Streams with dense algae, irrigation ditches, sunlit water along pebbly banks of springs and mountain streams, depressions in sandy river shoals, flooded meadows, small pools; rarely enters houses; 166	Retrishcheva & Polyakov	1940
	Mountains, cave; ---; 166	Luppova	1940
	Among stones at edges of pebbly temporary and permanent stream beds, sand pits, wells, seepage areas; bites by day and night, indoors and outdoors, June-Oct.; 174*°, 302°	Leeson	1950 +
	---; wall holes, underground cavities; 174	Sautet & Marneffe	1943 +
	Floodlands of large rivers, stream banks and small rivers; ---; 256	Beklemisheva & Zhelokhovtzev	1945 +
	---; ---; 302, 317, 318, 326, 342, 345. ---; naturally infected with malaria; 151. Edges of streams and rivers, seepages and marshy areas, open irrigation channels, reservoirs, pools, wells, springs; naturally infected with malaria; 235 (Pools, beds of small stream rivers, irrigation system with flowing water, enters houses, bites man)	Covell	1944
	Springs, rice fields; in houses and caves, July-Oct.; 303*	Latushev	1929
	Swiftly flowing streams, small sheltered pools; malarial carrier during summer and autumn; 317	Anonymous	1944
	Slow running water in narrow valleys with little sun; in houses; 317	Sabit	1927 +

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>ANOPHELES</i> <i>superpictus</i> Grassi (cont.)	Rice fields, mountain brooks; in open land; 317	Martini	1928 a
	River or seashore pools; ---; 317	Vogel & Martini	1927 +
	---; mountain, July and Aug.; 317	Azar Atamanoglu	1938
	Sunlit spring water, pebbly banks of rivers and streams, gorges, caves, burrows; all year; 318	Petrishcheva	1934 a
	Rice fields and ponds; June-Oct.; 326*	Prokopenko	1945
	Drainage ditches in creeks and swamps; ---; 326	Ulitcheva	1943
	---; experimentally infected with malaria; 326	Simanin	1930
	Swamps, along shores with horizontal vegetation, gravel swamps, brackish water along banks of lakes and wadis; Sept., Oct.; 342	Shapiro	1933
	Slow flowing streams; ---; 342	Stuart	1933
	Clear, slow flowing streams; ---; 345*	Zaitzev	1934
	---; ---; 350	Christophers	1920
	Streams; ---; 354	Edwards	1921 +
<i>superpictus</i> <i>berestnevi</i> Shingarev	---; ---; 162	Peus	1942
	---; ---; 326	Martini	1930
<i>superpictus</i> <i>vassilievu</i> Portschinsky	---; naturally infected with malaria; 162	Vassiliev	1913
<i>taiwanensis</i> Koidzumi	---; ---; 77	Koidzumi	1920
<i>tessellatus</i> Theobald	Pools and disused wells; ---; 11	Wilcocks	1944
	---; ---; 11, 59, 70, 76, 77, 139, 143, 144, 145, 146, 147, 149, 190, 242, 277 (Rice fields, pools in woods, grassy banks of running streams, swamps, brackish pools, river banks, bites man, experimentally infected with <i>Plasmodium vivax</i>)	Bonne-Wepster & Swellen- grebel	1953
	In sugarcane leaf axils; ---; 59. ---; rare; 143 (In houses)	Christophers	1916
	---; Aug.-Oct., active at night; 59	Macan	1948

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>ANOPHELES tessellatus</i> Theobald (cont.)	---; ---; 59, 70, 76, 143, 145, 146, 149, 190, 277 (Along margins of streams, irrigation channels and springs pools, in stream banks, in houses)	Russell et al.	1943
	Pools, rice fields, streams with vegetation; enters houses; 76	Chang	1940
	Burrow pits, water holes; ---; 76	Robertson	1940
	Plain areas, in shallow ditches and swamps; ---; 76	Feng	1938
	---; naturally infected with malaria; 76, 145, 337. ---; considered responsible for the transmission of malaria; 191	Boyd	1949
	---; malaria carrier; 76, 143, 144	Faust	1926 a
	---; in houses, Sept.-Oct.; 76	Chow & Balfour	1949
	Small pools in sugarcane fields, fallow fields, shallow ditches; ---; 77	Chow	1949 b
	---; enter houses, naturally infected with malaria; 77°, 144. ---; naturally infected with malaria; 139, 145, 149. Pools; ---; 190. Shallow fresh water wells; naturally infected with malaria; 191. ---; in houses; 337°. ---; ---; 366 (Buffalo wallows, clear overgrown pools, rice fields, hoof prints, containing saline water, enters houses)	Covell	1944
	---; ---; 133. ---; all year; 139	Feng	1937
	Tall weeds at edge of slowly flowing streams; naturally infected with malaria, rare; 139	Jackson	1938
	---; mornings in bamboo huts, at night in out- buildings; 139	Jackson	1938 a
	---; naturally infected with <i>Plasmodium</i> ; 139, 144, 337	Hsiao	1945
	---; enters houses; 139	Jackson	1938 b +
	Furrows in sugarcane and irrigation and seepage channels, dirty stagnant water; enters houses; 143	Christophers	1933 +
	Outdoor wells; Oct.-Feb., rare; 143	Russell & Ramachandra Rao	1941
	Rocky drainage channel; ---; 143	McCombie Young & Bailly	1928
	Beds of rivers; ---; 143	Abraham & Samuels	1944

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>ANOPHELES tessellatus</i> Theobald (cont.)	---; Apr., June-July; 143	Senior-White	1934
	Grassy streams and pools; November-April; 146	Borel	1926
	---; naturally infected with malaria; 144	Gaschen	1936
	---; all year, in houses; 144	Raynal & Gaschen	1935
	Pools, buffalo wallows, light to medium shade or none, with or without vegetation; ---; 145. Small pools and drains, usually open to the sun and with either clean or muddy water; ---; 190	Colless	1948
	---; possible vector of malaria; 145	McArthur	1950
	---; naturally infected with malaria; 146	Farner et al.	1946 +
	---; experimental vector of <i>Wuchereria bancrofti</i> ; 146	Raghavan	1961
	---; ---; 146*	Manson-Bahr	1959
	---; naturally infected with malaria; 147	Simmons	1942 +
	---; Mar. and June; 149	Stanton	1915
	---; ---; 158	Yamada	1925
	Large swampy pools; ---; 190	Lamborn	1922 a
	Swamps; ---; 190	Hodgkin et al.	1935
	---; in houses, little associated with man; 190	Wharton	1953
	---; Apr.-July, Oct.-Dec.; 190	Kingsbury	1931
	---; Jan.-Mar.; 190	Kingsbury	1932
	---; ---; 191*	Senior-White	1948
	Streams, rice fields; ---; 235	Strickland & Chowdhury	1927
	---; delta lowlands; 235	Iyengar	1930 +
	In rice fields, vegetated pools and stream beds with vegetation; ---; 242	Russell & Baisas	1935
	Grass along edges of irrigation canals, seepages; ---; 242	Mieldazis	1930

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>ANOPHELES</i>			
<i>tessellatus</i>	---; in dark damp wells, along stream bank, in old stone wall with cracks and crevices; Oct.-Dec.; 242	Russell	1931
Theobald (cont.)	---; naturally and experimentally infected with malaria; 242	Bohart	1945
	Open and closed ditches, rice fields; in houses; 277	Causey	1937
<i>tessellatus</i>			
var. <i>kalawara</i>	---; ---; 337	Stone et al.	1959
Stoker & Waktoedi			
<i>tessellatus</i>	---; ---; 145, 147 (Clear water, ditches and pools with vegetation, vegetated margins of rivers, shaded or sunny)	Bonne-Wepster & Swellen-grebel	1953
var. <i>orientalis</i>	---; ---; 146	Stone et al.	1959
Swellengrebel & Swellen-grebel- de Graaf			
<i>theobaldi</i>	---; ---; 25	Macan	1942
Giles	---; ---; 59, 242	Christophers	1933 +
	---; ---; 122	de Mello	1934
	Swampy ground, weedy water; experimentally infected with malaria; 143	Christophers	1916
	Pools; enter houses; 143	Strickland & Chowdhury	1927
	Along margins of streams and in seepages; ---; 143	Russell et al.	1943
	---; Oct.; 143 (Hill streams, seepages, tanks, pools in "nullahs", borrow pits, rock holes)	Jaswant Singh	1933
	---; foothills to lowlands; 143, 235	Iyengar	1930 +
	---; Aug.-Sept.; 143	Strickland & Chowdhury	1930
	---; Jan.; 143	Perry	1914
	---; Dec.; 143	Abraham & Samuels	1944
<i>thorntoni</i>	---; ---; 77	Faust	1926 a
Ludlow			
<i>tibani</i>	---; ---; 2	Stone et al.	1959
Patton			
<i>tonkinensis</i>	Water pockets among tree roots; ---; 144	Farner et al.	1946 +
<i>umbrosus</i>			
Theobald			

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>ANOPHELES</i>			
<i>trimaculatus</i> Tsuzuki	---; ---; 77	Stone et al.	1959
<i>turkestan</i> Shingarev	---; ---; 162	Peus	1942
<i>turkhudi</i> Liston	Stream bed pools, river beds with vegetation; ---; 2	Evans	1938 +
	---; ---; 2, 143, 150, 270 (Rain pools with algae, river beds, mountain stream pools, in houses)	Russell et al.	1943
	---; ---; 3, 154, 332	Stone et al.	1959
	Small pools, stream beds; ---; 25, 150	Macan	1942
	Large sandy river beds; common in houses, experimentally infected with malaria; 143, 235	Christophers	1916
	Pools or shallow seepages with vegetation, sandy or stony river bed, stream, pools up to 4500 feet; ---; 143	Boyd	1949
	Slow moving water in hilly river beds; ---; 143	Roy & Brown	1954
	---; forest, Mar.; 143	Abraham & Samuels	1944
	---; common; 143	Christophers	1921
	---; ---; 150*	Gutzevich	1948 +
	Swampy valley; ---; 159. Ponds and connecting streams with green algae, water holes in the wadi bed, algae-choked holes in rocks; ---; 342	Austen	1919
	Grass grown tanks; ---; 235	Sinton	1917
	---; ---; 302, 317	Christophers	1920
	Brackish water; ---; 342	Christophers	1920
<i>turkhudi</i> var. <i>azriki</i> Patton	---; ---; 2	Saliternik & Theodor	1942
	---; ---; 25	Smart	1943
<i>turkhudi</i> <i>persicus</i> Edwards	---; ---; 150	Edwards	1921 +
	---; ---; 326	Shingarev	1928
<i>turkhudi</i> var. <i>telamali</i> Saliternik & Theodor	Seepage water with vegetation; ---; 154	Saliternik & Theodor	1942

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>ANOPHELES</i> <i>umbrosus</i> (Theobald)	Water pockets among tree roots, springs, deep lake; ---; 11, 143, 146, 190, 277°. Water with decaying vegetation, jungle morasses, water pockets among tree roots, springs, deep lakes; enters houses; 59°, 147°	Farner et al.	1946 +
	---; ---; 11. ---; naturally infected with malaria; 145, 147, 149. Sunlit wells, stagnant pools, slowly streaming morasses; experimentally and naturally infected with malaria; 190°. Slow running stagnant or clear water with or without vegetation, weedy tanks; naturally infected with malaria; 337 (Bites man, enters houses)	Covell	1944
	Brackish grassy pools at fringe of mangrove regions; ---; 59, 277	Lee & Woodhill	1944 +
	Fresh and salt water, shaded pools; ---; 76*	Li & Wu	1934 +
	Muddy pools with rotten vegetation; rare; 143. ---; carrier of malaria; 145	Roy & Brown	1954
	Peaty, stagnant pools; ---; 143, 145, 146, 190	Boyd	1949 +
	Muddy creek beds; ---; 143, 190	Christophers	1933 +
	---; enters houses; 143°, 144°, 145°, 146° (Shaded stagnant pools and morasses in jungles, brackish water, mangrove swamps)	Russell et al.	1943
	Shallow, muddy swamps with vegetation; June; 144	Borel	1930 a
	---; in houses, at hill streams during daytime, naturally infected with malaria, Dec.-June; 145	Roper	1914
	---; ---; 145*	McArthur	1950
	---; ---; 145, 147 (Transmits malaria)	Wilcocks	1944 d
	Brackish water, sunlit springs, artificial containers, puddles, ponds, brooks with or without vegetation; enters houses; 145, 146, 147*	Farner	1943
	Fresh and brackish shaded water, in mountain springs, brooks, in a grove area, palm pools, dirty slow-running forest brook; ---; 149°	Christophers	1933 +
	---; infected with malaria; 149. ---; ---; 190 (Jungle, pools, ditches in rubber plantations, in jungle, enters houses, bites from dusk to dawn)	Bonne-Wepster & Swollen-grebel	1953
	---; March; 149	Stanton	1915
	---; ---; 149*	Reid & Hodgkin	1950 +

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>ANOPHELES umbrosus</i> (Theobald) (cont.)	Peaty water with much leaf mould; bite during the day in deep jungle shade, enter houses to bite in the evening; 190°	Colless	1948
	Jungle, swamps, deep drains; naturally infected with malaria, Aug.-Dec.; 190	Kingsbury	1936
	Slow moving shaded stagnant water; ---; 190*	Russell	1956
	---; carrier of malaria; 190	Watson	1924
	Shaded stream; ---; 242	Mieldazis	1930
	---; naturally infected and natural vector of <i>Wuchereria malayi</i> ; 277	Raghavan	1961
<i>vagus</i> Dönitz	Grassy margins of running streams; ---; 280	Colless	1957 a
	Shallow rain-filled puddles, hoof marks; ---; 11. Shallow rain-filled puddles, hoof marks, grassy swamps, fallow rice fields; ---; 59, 143	Christophers	1933 +
	Rice fields; ---; 11. ---; ---; 59, 77, 147, 242, 366. ---; naturally infected with malaria; 143, 144. Brackish water; ---; 190. ---; rests on stream banks, naturally infected with malaria; 337 (Small pools and puddles, enters houses, rarely bites man)	Covell	1944
	---; ---; 11, 59, 70, 143, 144, 277. Stream banks; naturally infected with malaria; 337 (Natural and artificial waters, enters houses, experimentally infected with <i>Plasmodium falciparum</i> and <i>P. vivax</i>)	Bonne-Wepster & Swellengrebel	1953
	Small pools and borrow pits with vegetation; enter houses at dawn; 59°	Macan	1950 a +
	Stagnant water, stream beds; Feb.-Mar., Aug.-Dec.; 59	Macan	1948
	Surface wells, pools, ditches, artificial containers, drains; ---; 59	Grewal	1937 +
	---; enters houses during daytime; 59	Jones	1949
	Excavations, pools, drains, irrigation ditches; enters houses; 76	Chang	1940
	Drains, grassy swamps, rice fields; ---; 76, 133, 139, 145, 149, 190	Farner et al.	1946 +
	Polluted muddy water, hoof marks; ---; 76	Feng	1936
	---; in houses, July, Sept.-Dec.; 76	Chow & Balfour	1949

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>ANOPHELES</i>	---; naturally infected with malaria; 76	Feng	1937
<i>vagus</i>			
Dönitz	Water holes; dry season and end of rainy season, March and Oct., in houses; 122	de Mello & Bras de Sa	1935
(cont.)	Polluted water in pools, hoof prints; ---; 133	Hsiao	1945
	Small temporary grassy muddy pools and pools with rice stubble; ---; 139	Jackson	1938
	Muddy and turbid waters, hoof marks and rain-water pools; all year, Oct., in houses; 143	Russell & Ramanchandra Rao	1941
	Brackish water; open area outside the jungle; 143	Iyengar	1930 b
	Stagnant muddy pools, surface drains, and tanks; ---; 143	McCombie Young & Bailly	1928
	Rain-water puddles; ---; 143	Roy	1931
	Ditches and ponds; ---; 143	Iyengar	1931 a
	Rice fields; ---; 143	Abraham & Samuels	1944
	In lake; ---; 143	Senior-White & Adhikari	1939
	---; experimentally and naturally infected with malaria; 143. Open and closed ditches; ---; 277	Causey	1937
	---; all year; 143	Senior-White	1934
	---; naturally infected and natural vector of <i>Wuchereria bancrofti</i> ; 143, 146	Raghavan	1961
	Small shallow ponds without vegetation; common, enters houses at night; 144	Borel	1926 c
	Small, sunny pools with or without grass; all year; 144	Borel	1926
	Swamps, irrigation canals or rice fields; ---; 144	Wilcocks	1944 c
	Footprints of animals; ---; 144	Borel	1926 b
	---; naturally infected with malaria; 144	Raynal & Gaschen	1935
	---; experimentally infected with <i>W. malayi</i> ; 144	Galliard	1938 +
	---; ---; 144*	Toumanoff	1932 b
	---; ---; 144°	Toumanoff	1935 a
	Hot spring in a swamp, ditch; ---; 145, 146, 149, 337	Brug	1931 a
	---; ---; 146*	Manson-Bahr	1959

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
ANOPHELES <i>vagus</i> Dönitz (cont.)	Pools, borrow pits, drains, hoof marks, grassy swamps, rice fields, occasionally brackish waters; ---; 147	Knight et al.	1944 +
	Small pools; along the banks of swamps, all year; 190	Hacker	1923
	Ponds, small muddy pools; ---; 190	Lamborn	1922 a
	Low swampy areas; common in Dec.; 190	Hodgkin & Johnston	1935
	---; experimentally infected with <i>Plasmodium falciparum</i> ; 190	Kingsbury	1932
	---; experimentally infected with <i>P. vivax</i> ; 190	Green	1935
	---; experimentally infected with <i>W. bancrofti</i> ; 190	Hodgkin	1938 +
	---; experimentally infected with malaria; 190	Kingsbury	1931
	---; bites man by night; 190°	Nair	1947 +
	---; enters houses; 190	Wharton	1953
	Reservoirs, borrow pits; enters houses; 235	Das	1943 +
	---; Dec.; 235	Strickland & Chowdhury	1927
	Pools in stream and river beds, rice paddies, stagnant pools in ditches, muddy water in hoof prints, grass along edges of irrigation canals; ---; 242	Mieldazis	1930
	---; in houses at night, day-time resting in stream bank, Oct.-Dec.; 242	Russell	1931
	---; naturally infected with sporozoites; 242	Dy & Gapuz	1948
	---; naturally infected with malaria, June; 242	Manalang	1931
	Weedy canals and ponds, rice fields with running water; Oct.-Nov.; 277	Barraud & Christophers	1931
	Blind ends of waterways; ---; 277	Wilcocks	1944 b
	Pools, drains, swamps, ponds, rice fields, seepages, wells, polluted brackish water; ---; 337*	Gater	1934 +
	---; ---; 349	de Mello & Afonso	1921 +
<i>vagus</i> <i>albino</i> Stoker & Waktoedi	---; ---; 337	Stone et al.	1959

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>ANOPHELES</i>			
<i>vagus</i>	Small open muddy pools, wheel ruts, buffalo wallow; ---; 145, 242	Colless	1948
<i>limosus</i>			
King	---; ---; 145, 242 (Small open, muddy pools, newly plowed rice fields, muddy slow flowing ditches, wells, stream banks, in houses at night)	Bonne-Wepster & Swellen- grebel	1953
	Rice fields and slow-flowing ditches; ---; 242	Russell & Baisas	1935
<i>vagus</i>	---; ---; 59, 70, 76, 143, 144, 190 (Small pools and puddles near houses). ---; naturally infected with malaria; 143	Russell et al.	1943
<i>vagus</i>	---; naturally infected with <i>Wuchereria bancrofti</i> ; 143	Manson-Bahr	1959
Dönitz	---; ---; 143*	Geigy & Herbig	1955
<i>vanus</i>	Ubiquitous, artificial containers; anthropophilic, in houses, infected with <i>Wuchereria malayi</i> ; 145*	Bonne-Wepster & Swellen- grebel	1953
Walker			
<i>varuna</i>	---; ---; 59, 70, 76, 366. ---; naturally infected with malaria; 143 (Stagnant pools, ditches, wells, slow-running streams and irrigation channels, enters houses, bites man)	Covell	1944
Iyengar			
	Pits, cisterns with grassy margins, shores of brooks and rivers; end of rain season, near houses; 122	de Mello & Bras de Sa	1935
	Storm water by roadsides, stagnant fresh water ditches; during and soon after monsoon; 143	Iyengar	1924
	Shady clear ponds; ---; 143	Iyengar	1930 a
	Weed-covered tanks; ---; 143	Senior-White et al.	1943
	---; rare in houses; 143°	Senior-White & Venkat Rao	1943
	---; experimentally infected and experimental vector of <i>Wuchereria bancrofti</i> , naturally infected with <i>W.</i> <i>malayi</i> ; 143	Raghavan	1961
	---; experimentally infected with <i>Plasmodium</i> <i>falciparum</i> , <i>P. vivax</i> and <i>P. malaria</i> ; 143	Iyengar	1933
	---; carrier of malaria; 143	Roy & Brown	1954
	---; hills; 143*	Senior-White	1948

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>ANOPHELES</i> <i>varun?</i> Iyengar (cont.)	---; all year; enters houses; 145	Russell & Ramadrindra Rao	1941
	---; ---; 218	Stone et al.	1959
	Ponds in lowlands, wells in dry region; ---; 235	Iyengar	1930 +
	---; ---; 349	de Mello	1938
<i>vassilievii</i> Portschinsky	---; ---; 162, 326	Stone et al.	1959
<i>venhuisi</i> Bonne-Wepster	---; naturally and experimentally infected with <i>Wuchereria mclayi</i> , common in rainy season; 145°	Kariadi	1941 +
	---; naturally infected with malaria; 145, 146 (Deep swamps, rice fields, borrow pits, brackish water, in houses)	Bonne-Wepster & Swellen- grebel	1953
<i>vexans</i> <i>bactrianus</i> Olsuf'ev	---; ---; 294	Olsuf'ev	1941 +
<i>vexans</i> <i>nipponii</i> (Theobald)	---; ---; 76, 168, 257, 259	Stone et al.	1959
<i>watsonii</i> (Leicester)	---; in mountains at 7000 feet elevation; 145	Edwards	1925
	Dead split or hollow bamboos in deep shade; jungle; 190	Russell et al.	1943
	Fallen bamboos, pools of water containing decaying leaves and on the trunk of fallen trees; ---; 190	Kingsbury	1936
<i>wellingtonianus</i> Alcock	Pools, jungle streams at 4000 feet elevation; rarely in houses; 190	Russell et al.	1943
<i>willmeri</i> James	Streams; in houses, along foothills up to 6000 feet elevation; 31°. Streams; in houses; 143°, 235°	Christophers	1916
	---; ---; 76	Faust	1926
	---; ---; 77	Secrete	1916 +
	Hill streams; June; 143	Senior-White	1928
	---; ---; 144	Toumanoff	1933
	Water with free current; ---; 190	Lamborn	1922 a
	---; ---; 218	Kumm	1929 +
	Grassgrown ditch with running water; rare, June-Oct.; 235	Sinton	1917
	Mountain stream; enters houses; 277°	Barnes	1923

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>ANOPHELES</i> <i>yatsushiroensis</i> Miyazaki	---; ---; 158	Stone et al.	1959
<i>ARMIGERES</i> <i>annulipalpis</i> (Theobald)	---; ---; 59, 143, 149 Bamboo stumps; ---; 76° Bamboo stumps; ---; 145	Barraud Chow Brug	1934 1949 c 1939
<i>annulitarsis</i> (Leicester)	---; ---; 77, 144, 149. Bamboo stumps; ---; 143, 190 Hollow bamboo stalk; ---; 144 ---; ---; 277	Barraud Borel Stone et al.	1934 1930 a 1959
<i>apicalis</i> (Theobald)	---; ---; 59 ---; ---; 143	Edwards Senior-White	1922 c 1922
<i>apoensis</i> Bohart & Farner	River; at 7000-8000 feet elevation; 242	Delfinado	1966
<i>aureolineatus</i> (Leicester)	Coconut shells; ---; 70 ---; Sept.-Oct., 70, 143, 190 Coconut shells; ---; 76 ---; ---; 143, 145, 190 (Coconut shells) Hollow bamboo stalks; ---; 144 Coconut shells; ---; 144, 190 ---; ---; 242	Senior-White Barraud Bohart Barraud Borel Hsiao Bohart & Farner	1920 a 1927 1946 1934 1930 1945 1944
<i>baisasi</i> Stone & Thurman	Bamboo joints, tree holes, coconut shells and <i>Alocasia</i> axils and tree fern stumps, artificial containers; ---; 242	Delfinado	1966
<i>bhayungi</i> Thurman & Thurman	---; ---; 277	Stone et al.	1959
<i>brevitibia</i> Edwards	---; ---; 145	Edwards	1914 a
<i>candelabrifer</i> Brug	Cut bamboo stumps, tree holes; ---; 145	Brug	1939

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>ARMIGERES</i>	---; ---; 143, 190	Barraud	1927
<i>cingulatus</i> (Leicester)	Hollow bamboo stalks; ---; 144	Borel	1930 a
	---; ---; 145, 149	Edwards	1922 c
<i>confusus</i> Edwards	Bamboo stumps; ---; 145, 149	Brug	1931 a
	---; ---; 190	Brug & Edwards	1931
<i>conjungens</i> Edwards	---; ---; 145	Edwards	1914 a
	---; ---; 190	Edwards	1928
	---; on wild ginger plants; 280	Colless	1957 a
<i>denbestini</i> Brug	Stagnant, slow-running water with debris, hollow tree trunks, tree holes, bamboo stumps, coconut shells; ---; 147	Lee	1944
	Leaf axils of sago palm; ---; 147	Knight et al.	1944 +
<i>dentatus</i> Barraud	---; ---; 143	Barraud	1927
<i>digitatus</i> (Edwards)	---; ---; 143, 149 (Bamboos)	Barraud	1934
	---; ---; 146, 190	Brug & Edwards	1931
	Tree holes, bamboo stumps; ---; 242. ---; ---; 277	Pohart	1945
<i>dolichocephalus</i> Leicester	---; ---; 144	Borel	1930 a
	---; ---; 149	Brug & Edwards	1931
	Bamboos; ---; 190	Edwards	1923 +
<i>durhami</i> Edwards	---; ---; 146, 149, 190	Brug & Edwards	1931
<i>ejercitoi</i> Baisas	Tree holes; ---; 242	Bohart	1945
<i>flavus</i> (Leicester)	---; ---; 59, 144, 145, 146, 149, 190, 277 (Bamboo stumps, fallen split bamboo and tree holes)	Delfinado	1966
	Bamboo stumps; ---; 76°	Chow	1949 c
	Bamboo stumps; ---; 77	Chow	1950

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>ARMIGERES</i>	Bamboo stump; ---; 143, 145, 146, 149, 277	Brug	1931 a
<i>flavus</i>	Hollow bamboo stalks; ---; 144	Borel	1930 a
(Leicester)	---; vicious day biter; 146°, 149°	Edwards	1932 +
(cont.)	Bamboo, coconut shells, tree holes, pitcher plants; ---; 242	Bohart	1945
	Bamboos, coconut shells, pitcher plants; ---; 280	Barraud	1934
<i>foliatus</i>	Bamboo stumps; ---; 149	Brug	1931 a
Brug			
<i>giveni</i>	---; ---; 190	Edwards	1928
Edwards	Pitcher plants; ---; 280	Edwards	1926 +
<i>hybridus</i>	---; ---; 145	Edwards	1914 a
Edwards	---; on ginger plants; 280	Colless	1957 a
<i>inchoatus</i>	Bamboo stumps; ---; 143	Barraud	1927
Barraud	Bamboos; ---; 143	Barraud	1934
	---; ---; 277	Causey	1937
<i>joloensis</i>	Coconut shells, tin cans, cut bamboo and elephant ear axils; bite during daytime in the jungle; 242°	Delfinado	1966
(Ludlow)	---; ---; 242	Rozeboom & Cabrera	1964
<i>jugraensis</i>	Hollow of fallen tree; ---; 145	Brug	1924
(Leicester)	---; ---; 146	Brug & Edwards	1931
	---; March; 149	Stanton	1915
	Water collected in fallen leaves in jungle, bamboos; ---; 190	Edwards	1917 +
<i>kuchingensis</i>	---; ---; 11	Barraud	1927
Edwards	---; ---; 59, 70, 76, 143, 149, 190 (Tree holes, bamboos, artificial containers with foul water)	Barraud	1934
	Bamboo stumps; ---; 76°	Chow	1949 c
	Hollow bamboo stalks; ---; 144	Borel	1930 a

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>ARMIGERES</i>	---; ---; 145	Edwards	1915
<i>kuchingensis</i>	Ground and rock pools of mountain streams, occasionally in artificial containers; March; 277	Causey	1937
Edwards (cont.)	Artificial containers; ---; 280	Colless	1957 a
<i>kuchingensis</i> var. <i>javanensis</i> Brug	Holes in fallen trees, fern-tree stumps; ---; 146	Brug	1939
<i>longipalpis</i> (Leicester)	---; ---; 77	Secrete	1916 +
	---; ---; 143, 145, 149, 190 (Bamboos)	Barraud	1934
<i>magnus</i> (Theobald)	---; ---; 59, 70, 139, 143, 144, 145, 146, 190, 277 (Tree holes and bamboo joints, bite freely during the day in bamboo groves)	Delfinado	1966
	Bamboo stumps; ---; 76°, 139°	Chow	1949 c
	Pitcher plants; ---; 76	Bohart	1946
	Bamboo stumps; ---; 77	Chow	1950
	Bamboo stumps, rare in tree holes; bite rather severe; 143°	Fletcher	1917
	Pitcher plants; ---; 143, 144, 190	Hsiao	1945
	---; ---; 149	Brug & Edwards	1931
	Pitcher plants, tree holes, bamboo joints; ---; 242	Bohart	1945
	---; bites freely in bamboo groves during day and night; 242°	Rozeboom & Cabrera	1964
<i>maiae</i> Edwards	---; in jungle; 190	Edwards	1917 +
<i>malayi</i> (Theobald)	Foul water in artificial containers; ---; 76	Bohart	1946
	---; ---; 76, 143, 145, 190, 242, 277 (Tree holes, bamboo stumps, coconut shell and axils of fallen <i>Areca</i> palm leaves)	Delfinado	1966
	Coconut shells; ---; 145, 146, 147, 149, 190, 242	Brug	1931 a
	Coconut shells, artificial containers, sunny or shaded polluted water; ---; 242	Bick	1949
	Tree holes, bamboo joints, axils of fallen palm leaves; ---; 242	Bohart	1945

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>ARMIGERES</i>	---; Aug.; 242	Dyar & Shannon	1925
<i>malayi</i> (Theobald)	Pitcher plants; ---; 280	Edwards	1934 +
(cont.)			
<i>manalangi</i> Baisas	Bamboo stumps; ---; 242	Delfinado	1966
<i>maximus</i> Edwards	---; ---; 146, 149, 190	Stone et al.	1959
<i>mjobergi</i> Edwards	---; in mountains; 145	Edwards	1926
<i>moultoni</i> Edwards	---; ---; 144°	Borel	1930 a
	---; ---; 145	Stone et al.	1959
	---; ---; 146, 149, 190	Brug & Edwards	1931
<i>obturbans</i> (Walker)	---; ---; 59, 70, 76, 143, 147, 149, 158, 190 (Tree holes, bamboos, artificial containers often with foul water)	Barraud	1934
	Artificial containers, coconut shells, tree holes; all year, enters houses; 70°	Senior-White	1920 a
	Bamboo stumps; ---; 70	Wijesundara	1942
	---; naturally infected with <i>Wuchereria malayi</i> and <i>W. bancrofti</i> ; 70. ---; naturally infected with <i>W. bancrofti</i> ; 191	Carter	1948
	---; naturally infected with filaria; 70	Dassanayake & Chow	1954
	Artificial containers, pits with polluted water in shade; common, July-Aug., enters houses, bites at night and in deep shade by day; 76°	Tseng & Wu	1951
	Bamboo stumps, artificial containers, polluted waters; ---; 76	Chang	1939
	Feces-polluted rainwater in neglected fertilizer pits and containers; ---; 76	Meng	1943
	Jungle, mountains, lowlands; ---; 76	Li & Wu	1935 b +
	Latrines, tree holes; ---; 76. Small pools and contaminated drains; all year; 143°. Latrines, bamboo stumps, tree holes; ---; 144	Roy & Brown	1954
	Collections of stagnant water; ---; 76	Feng	1932
	---; carrier of dengue; 76, 77, 158	Faust	1926 a

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>ARMIGERES obturbans</i> (Walker) (cont.)	---; experimentally infected with <i>Wuchereria malayi</i> ; 76	Hu	1941 +
	---; in flat regions; 76	Feng	1935
	---; Sept.; 76	Hu	1940
	---; experimental transmission of dengue; 77, 158	Barraud	1928 b
	---; ---; 139°	Jackson	1936
	---; ---; 139	Toumanoff	1935
	In artificial containers; ---; 143	Liston & Akula	1913 +
	Bamboo traps; ---; 143	Fletcher	1917
	---; naturally and experimentally infected with <i>W. malayi</i> ; 143	Iyengar	1938 +
	---; bites by day; 143°	MacGilchrist	1913 +
	---; enters houses; 143	Iyengar	1933 a
	Tripids, rockholes with polluted water; common on islets; 144	Galliard & Ngu	1950
	---; in forest, bites in and outdoors; 144°	Toumanoff	1935 a
	---; in houses, all year; 144	Borel	1926
	<i>Colocasia indica</i> , coconut, rotting Pisang stump, artificial containers: in houses, bites especially at dusk; 145, 146, 147, 149, 158	Brug	1931 a
	<i>Colocasia</i> , coconut shells; ---; 145, 147, 149. Leaf axils, pools; ---; 146	Brug	1931 a +
	Cesspools; ---; 158	Sasa & Sabin	1950
	---; experimentally transmits Japanese "B" encephalitis; 158	Hammon	1949 +
	---; experimental transmission of West Nile virus; 158	Kitaoka	1950
	---; July-Aug.; 158	Mitamura & Kitaoka	1950
	---; enters houses; 158	Lamborn	1922
	Night soil containers, foul water; enters houses, possible vector of Japanese "B" encephalitis; 168°	Barnett & Toshioka	1951

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>ARMIGERES obturbans</i> (Walker) (cont.)	Artificial containers; enters houses; 190°	Milne	1933
	Sewage disposal system; ---; 190 (Carrier of dengue)	Gater	1929
	Coconut shells, artificial containers, exposed or shaded, with polluted water; ---; 242	Bick	1949
	Tree holes, bamboo holes; ---; 242	Bohart	1945
	Highly polluted water rich in decaying organic matter; outbuildings, enters houses; 277°	Causey	1937
	Artificial containers; ---; 277	Barraud & Christophers	1931
<i>omissus</i> (Edwards)	Bamboo stumps; ---; 70	Wijesundara	1942
	Leaf bases of <i>Colocasia</i> ; ---; 77	Chow	1950
	---; ---; 143 (Bamboo stumps)	Barraud	1934
	Bamboos; ---; 242	Delfinado	1966
<i>pectinatus</i> Edwards	---; bites man during hot hours of the day; 144°	Borel	1930 a
	---; ---; 145, 190	Edwards	1922 c
<i>pendulus</i> Edwards	---; ---; 190	Edwards	1922 c
<i>setifer</i> Delfinado	---; ---; 242	Delfinado	1966
<i>spathulatus</i> Brug	Beached canoe; ---; 147	Brug	1939
<i>subalbatus</i> (Coquillett)	---; ---; 59, 144, 277. Foul water in artificial containers and cut bamboo; ---; 158°	Hsiao & Bohart	1946
	---; ---; 70, 143, 149, 158, 190. Polluted water in artificial containers, cut bamboo, taro axils, tree holes; bites in shade during day, enters houses in the evening to bite, among vegetation, on damp rocks, livestock sheds; 257° (Naturally infected with <i>Wuchereria bancrofti</i>)	Bohart & Ingram	1946
	Foul water in artificial containers polluted with garbage or fecal matter; suspected to be a carrier of <i>W. bancrofti</i> ; 76	Bohart	1946
	Latrines, fecal tanks; bites day and night; 76°	Chow	1949 c

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>ARMIGERES</i> <i>subalbatus</i> (Coquillett) (cont.)	Fertilizer pits; predaceous, naturally infected with <i>W. bancrofti</i> , anthropophilic, common, enters houses; 76	Hsiao	1945
	Bamboo stumps, artificial containers, fecal tanks; common; 77	Chow	1950
	Tanks, bamboo stumps, artificial containers, water with organic matter; enters houses in evening, all year; 158°. ---; ---; 168	La Casse & Yamaguti	1950
<i>theobaldi</i> Barraud	---; ---; 59	Barraud	1934
	In flowers of <i>Curcuma pseudomontana</i> ; ---; 143	Chari	1940
	---; ---; 144	Borel	1930 a
<i>treubi</i> (de Meijere)	---; ---; 145	Brug	1934
	Pitcher plants; ---; 146	Edwards	1923 +
	---; March; 277	Causey	1937
<i>ventralis</i> (Walker)	---; ---; 70	Carter	1950 a
	---; ---; 76	Stanley	1913
<i>BIRONELLA</i> <i>bironelli</i> (Christophers)	---; ---; 147	Stone et al.	1959
<i>gracilis</i> Theobald	Sago swamps, pools with decaying vegetation; ---, 147	Boyd	1949 +
	---; ---; 147, 190 (Deep jungle forest shaded pools and puddles of rainwater, in and on banks of rivers, bites man)	Bonne-Wepster & Swellen-grebel	1953
<i>papuae</i> (Swellengrebel & Swellengrebel-de Graaf)	---; ---; 147	Stone et al.	1959
<i>travestita</i> (Brug)	---; ---; 147 (Pools in jungle, sago woods)	Bonne-Wepster & Swellen-grebel	1953
<i>COQUILLETTIDIA</i> <i>aureosquammata</i> (Ludlow)	---; ---; 149, 190, 242 (Forest swamp breeder)	Delfinado	1966
<i>crassipes</i> (van der Wulp)	---; ---; 59, 70, 143, 145, 242, 257, 277. Swamps; ---; 190	Delfinado	1966

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>COQUILLETIDIA</i> <i>nigrosignata</i> (Edwards)	---; ---; 242	Delfinado	1966
<i>ochracea</i> Theobald	---; ---; 143, 158, 242	Delfinado	1966
<i>CULEX</i> <i>ager</i> Giles	Shallow pools with decomposing vegetation, floating algae; ---; 190 ---; ---; 242	Smart Bezzi	1914 1913
<i>alienus</i> Colless	---; ---; 145, 280	Colless	1957
<i>alis</i> Theobald	Swamps; ---; 78 ---; naturally infected with <i>Wuchereria bancrofti</i> , vector of nocturnal filariasis; 145*	Knight et al. Manson- Bahr	1944 1959
	---; ---; 146	Edwards	1922 c
	---; ---; 147	Stone et al.	1959
	---; ---; 242	Bezzi	1913
<i>annulatus</i> Theobald	---; ---; 76	Faust	1926 a
<i>annulioris</i> Theobald	---; ---; 242	Bezzi	1913
<i>annulirostris</i> Skuse	---; experimentally infected with <i>Wuchereria</i> <i>bancrofti</i> ; 145 ---; vector of nocturnal filariasis; 145*	Brug Manson- Bahr	1937 1959
	---; ---; 147, 149	Bohart & Ingram	1945
	Fresh and brackish ground pools, artificial containers, running water, concrete drain; ---; 242°	Bohart	1945
	Brackish marsh: light trap; 242. ---; ---; 242, 337 (Breed in fresh and strongly brackish, clear or very high organic content, pools, fish ponds, near shore and salt beds)	Delfinado	1966
<i>annulus</i> Theobald	Rice fields; on windows, Feb., May; 76. ---; ---; 139 ---; ---; 76, 146, 190, 242, 277 (In fresh and salt water, common in pools affected by tide water). Rice fields; ---; 242	Riley Delfinado	1932 1966

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>CULEX</i>	---; ---; 77. ---; rare; 168	Yamada	1928
<i>annulus</i>	---		
Theobald (cont.)	---; July, Aug.; 158	Mitamura et al.	1950
	---; enters houses; 158	Mitamura & Kitaoka	1950
	Hyacinth ponds, artificial containers, sometimes in brackish water; ---; 280	Colless	1957 a
<i>antennatus</i> (Becker)	---; ---; 154	Stone et al.	1959
	---; rare; 342	Kirkpatrick	1925 +
<i>apicalis</i> Adams	Reservoirs with green vegetation, under the sun and shaded reservoirs in forest bushes; ---; 35, 118, 256, 321	Monchadskii	1936
	Wooden reservoirs with cold water in bushes; ---; 35, 118, 256, 321	Shtakelberg	1937
	Brooks; ---; 150	Gutzevich	1948 +
	Heavily shaded pool; May; 154	Buxton	1924 a
	Swamps, borrow pits, streams, artificial containers; ---; 256	Gutzevich	1937
	Springs, shaded pools; ---; 256	Martini	1925
	---; experimentally infected with Tularemia; 256	Bozhenko	1937 +
	---; ---; 303	Keshish'yan	1941 +
	---; ---; 317	Anonymous	1944
	---; rare; 321	Rybinsky	1933
	Shaded clear cold water; ---; 326	Lisova	1932
	---; ---; 342	Anonymous	1944 c
	---; ---; 345	Mess	1940
	---; ---; 354	Edwards	1921 +
<i>apicalis</i> var. <i>judaicus</i> Edwards	---; ---; 256, 342. Grottoes; ---; 317	Martini	1931
<i>arbiteni</i> Salem	---; ---; 332	Stone et al.	1959
<i>argentinotus</i> Banks	---; ---; 242	Bezzi	1913

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>CULEX</i>	---; ---; 76	Bohart	1946
<i>aurantapex</i> Edwards	---; ---; 190	Stone et al.	1959
<i>bahri</i> (Edwards)	---; ---; 70	Barraud	1924 d
	---; ---; 146	Barraud	1934
<i>baillyi</i> Barraud	---; ---; 70	Carter	1950 a
	---; ---; 143	Barraud	1934
<i>barraulti</i> Edwards	---; ---; 70, 143 (Ground pools, marshes)	Barraud	1934
	Tanks; March-Apr., Jul.; 143	Senior-White	1928 a
	---; Apr.-May, at 5000 feet; 143. ---; 7000 feet elevation; 235	Barraud	1924 b
<i>bernardi</i> Borel	Small, shady swamps; ---; 144	Borel	1930 a
	Forest; ---; 144	Borel	1927 +
<i>bihamatus</i> Edwards	---; ---; 146	Stone et al.	1959
<i>biroi</i> Theobald	---; ---; 76	Faust	1926 a
<i>bitaeniorhynchus</i> Giles	---; ---; 59, 77, 143, 158, 190 (Open weedy pool)	Barraud	1934
	Ravine, dirty well, swamp, river, paddy; ---; 70	Senior-White	1920 a
	---; naturally infected with <i>Wuchereria malayi</i> ; 70	Carter	1948
	Fresh and clean natural water with filamentous green algae; bites during the night, infected experimentally with <i>Wuchereria bancrofti</i> ; 76°, 194°	Hsiao	1946
	Hill stream of vegetation, pool left in river bed, temporary rain pools with irrigation ditch; ---; 76	Feng	1933 b
	Weedy pools, creeks, green algae. foothills; ---; 76	Chang	1939
	Rice fields, ponds, pools, streams; Jul.-Aug.; 76	Chung & Lin	1931
	Lowlands, river beds; ---; 76	Li & Wu	1935 b +
	---; experimentally infected with <i>W. bancrofti</i> ; 76	Bohart	1946
	---; in hilly regions; 76	Feng	1935
	---; rare, enters houses; 76	Meng	1943

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>CULEX</i>	In water pools, streams; ---; 77	Chow	1950
<i>bitaeniorhynchus</i>	---; ---; 139, 194 (Hill streams, pools, ditches with filamentous green algae, bites during the day, rarely at night)	Hsiao	1945
Giles	Streams, irrigation drains, pools with green algae, rice fields; active at night; 143	Mohan	1950
(cont.)	Weedy pools, ditches; ---; 143	Roy & Brown	1954
	River; Dec.; 143	Fletcher	1923
	---; naturally infected with <i>W. bancrofti</i> and <i>W. malayi</i> ; 143	Raghavan	1961
	---; March-Apr., June-July, Sept.-Nov.; 143	Senior-White	1934
	Grassy streams and pools; in country settlements; 144	Borel	1926
	Trough, a spring pond with <i>Spirogyra</i> ; ---; 145, 146, 147, 149	Brug	1931 a
	Clear water of rice paddies, stream pools, ditches with green algae; partial development of <i>W. bancrofti</i> ; 158°	Hsiao & Bohart	1946
	Shaded, clean water, marginal vegetation, ground pools; bites at night, suspected vector of Japanese "B" encephalitis; 158°	La Casse & Yamaguti	1950
	---; naturally infected with <i>W. bancrofti</i> ; 158*	Manson-Bahr	1959
	---; indoors; 158	Mitamura & Kitaoka	1950
	Fresh and clean water with filamentous green algae; bites man day and night, partial development of filaria; 168°	Hsiao	1948
	Pools, swamps, pitcher plants, traveller's palms; ---; 190	Milne	1933
	Fresh clean natural water, hill streams, water with filamentous green algae; ---; 194	Anonymous	1946
	Marsh with algae, fish pond and mountain stream; ---; 242°	Delfinado	1946
	Open weedy pools, rice fields; ---; 242	Bohart	1945

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>CULEX</i>			
<i>bitaeniorhynchus</i>	---; naturally infected with P-886, a strain of sindbis virus; 242	Rudnick et al.	1962
Giles			
(cont.)	Shallow flood water near lakes, stagnant water in old river beds, lake banks, artificial reservoir with direct sun and submerged vegetation; June-Oct.; 256°	Petrishcheva	1948
	Ditches with stagnant water with vegetation; ---; 256	Pavlovskii	1947 +
	Rice paddies, algae pools of streams; lower vegetation, in caves, on damp rocks; 257°	Bohart & Ingram	1946
	Rice fields, hoof marks near borrow pits; enters houses; 277	Barraud & Christophers	1931
	Ponds, mountain streams; Apr.; 277	Causey	1937
	Grassy margins of streams, hyacinth ponds, obstructed drains; ---; 280	Colless	1957 a
<i>bitaeniorhynchus</i>	---; ---; 70	Carter	1950 a
<i>ambiguus</i>	---; ---; 143	Barraud	1924 b
(Theobald)			
<i>bitaeniorhynchus</i>	---; ---; 149	Brug & Edwards	1931
<i>aurantapex</i>			
Edwards			
<i>bitaeniorhynchus</i>	---; ---; 149, 190	Brug & Edwards	1931
var. <i>domesticus</i>			
Leicester			
<i>bitaeniorhynchus</i>	---; ---; 76, 77, 146. ---; rare; 168	Yamada	1928
<i>karatsuensis</i>	Drains with algae; ---; 158°	Sasa & Sabin	1950
Mochizuki			
	Sunlit places with algae, rice paddies, ground pools, ditches; night biter, enters houses, possible vector of Japanese "B" encephalitis; 168°	Barnett & Toshioka	1951
<i>bitaeniorhynchus</i>	---; ---; 11, 59. ---; Jul., Oct.; 70. ---; Jan., June-Nov.; 143. ---; Aug.-Sept.; 235	Barraud	1924 b
<i>tenax</i>	---; ---; 190	Stone et al.	1959
Theobald			
<i>brevipalpis</i>	Tree holes, bamboo stumps; ---; 70, 143, 144, 145, 146, 147, 149, 190, 277	Brug	1931 a
(Giles)			
	Bamboo stumps, tree holes, found in a kong in the open; ---; 76	Chang	1939
	Pools, ponds in hilly region; ---; 76	Feng	1935 a

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>CULEX</i>	---; dense woods; 76	Riley	1932
<i>brevipalpis</i>	Pitcher plants; ---; 76	Bohart	1946
(Giles)	Bamboo stumps, papaya tree holes; ---; 77	Chow	1950
(cont.)	---; ---; 77, 257, 337 (Tree holes, cut bamboo, water tanks and in forest streams)	Delfinado	1966
	Tree holes, bamboos, occasionally in artificial containers; ---; 143, 147, 190	Lee	1944
	Tanks; ---; 143	Barraud	1924 e
	---; common; 143. ---; ---; 144, 218 (Tree holes, bamboos, open iron tank)	Barraud	1934
	Tree holes; Jul.-Sept., Dec.; 143. ---; ---; 2 nd	Barraud	1924 b
	Artificial containers; ---; 144	Borel	1926
	Artificial containers, small natural pools, tree and bamboo holes; ---; 242	Bohart	1945
	Forest streams; ---; 242	Baisas	1935 a
	Artificial containers, tree holes, bamboos; ---; 257	Bohart & Ingram	1946
	Artificial collections of water; enters houses; 277	Barraud & Christophers	1931
	Pools; ---; 277	Causey	1937
<i>campilunati</i>	---; ---; 70	Carter	1950 a
Carter & Wijesundara			
<i>castrensis</i>	---; ---; 70	Barraud	1934
Edwards	Shady pool in bed of partly dried stream; ---; 76	Hu	1937
	Spring; ---; 143, 146	Brug	1931 a
	Streams; ---; 277	Causey	1937
<i>castrensis</i>	Shady pool in bed of partly dried stream; ---; 76	Hu	1937
<i>foliatus</i>	Pools in sandy stream beds; springs; 76	Hsiao	1945
Brug	---; ---; 139, 146 (Pools in sandy stream beds)	Hsiao	1945
	Small, clear water pools; ---; 146	Brug	1932 +

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>CULEX</i>			
<i>chiyutoi</i> Baisas	Tree holes, small ground pools; ---; 242	Delfinado	1966
<i>cinctellus</i> Edwards	---; ---; 70, 133, 143, 145, 146, 149, 190, 242, 257 (Shaded ground water pools in or near forest, occasionally bite man, resting among vegetation and open areas)	Delfinado	1966
	---; Oct.; 143	Barraud	1924 d
	---; ---; 280	Edwards & Given	1923
<i>coerulescens</i> Edwards	Pitcher plants; ---; 145, 280	Edwards	1928 a
<i>concolor</i> Robineau- Desvoidy	---; ---; 70	James	1914
	Polluted water in artificial containers, grassy area overflowed with sewage; June-Aug., Nov.; 76	Riley	1932
	---; ---; 77	Faust	1926 a
	---; ---; 139	Anonymous	1915
	---; ---; 143	Fletcher	1917
	Jungle pool; ---; 190	Smart	1914
	Cess pits; ---; 235	Mhasakar	1913 +
	---; ---; 242	Bezzi	1913
<i>cornutus</i> Edwards	Ground pools, jungle pools, fallow and rice fields; ---; 143	Barraud	1934
	Marshy fields; jungle; 143	Barraud	1923 e
	Pools and moats; jungle; 143	Edwards	1922 b
	---; July-Aug., Dec.; 143	Barraud	1924 b
<i>culionicus</i> Delfinado	---; ---; 242	Delfinado	1966
<i>curtipalpis</i> Edwards	From <i>Nepenthes</i> leaf cups; ---; 145, 149, 280	Brug	1931 a
	---; ---; 190	Brug & Edwards	1931
<i>deserticola</i> Kirkpatrick	---; ---; 150	Gutzevich	1948 +
	---; ---; 302	Stone	1961
	---; ---; 317	Anonymous	1944
<i>dicngensis</i> Brug	Ditches; ---; 146	Brug	1931 a

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>CULEX</i>	---; ---; 70	Carter	1950 a
<i>edwardsi</i> Barraud	---; enters houses, June; 143	Barraud	1923 c
<i>eminentia</i> (Leicester)	---; ---; 145, 190	Edwards	1928 a
	Pitcher plants; ---; 230	Colless	1957 a
<i>epidesmus</i> (Theobald)	---; ---; 70	Carter	1950 a
	---; Aug.-Nov.; 143	Barraud	1924 b
<i>ethiopicus</i> Edwards	---; ---; 332	Stone et al.	1959
<i>exilis</i> Dyar	Reservoirs with fresh water and vegetation; ---; 256, 321, 345, 350	Shtakelberg	1937
<i>fasyi</i> Baicas	---; ---; 242	Delfinado	1966
<i>fatigans</i> Wiedemann	Permanent water with little vegetation, artificial containers; ---; 2, 25 (Bites man at night)	Edwards	1941
	Shallow brackish wells; June-Sept.; 2	Loughnan	1921 +
	---; ---; 35, 256 (Artificial reservoirs, ponds and ditches with dirty water, in houses)	Monchadskii	1936
	---; ---; 59, 235	Barraud	1924 b
	Water; abundant near dwellings, Oct.; 70°	James	1914
	Tree holes and bamboo stumps; ---; 70	Wijesundara	1942
	---; houses, cattle-baited traps, naturally infected with <i>Vuchereria bancrofti</i> ; 70, 191. Pits, drains, and highly polluted stagnant water; ---; 191	Carter	1948
	Contaminated artificial containers around houses, rice fields, pools; July-August; 76	Chung & Lin	1931
	---; common, enters houses, bites at night; 76°	Meng	1943
	Stagnant water, pits of fecal matter; ---; 76	Feng	1932
	Flooded drains, ditches, shallow wells, rarely bamboo; flight range 3-4 miles; 76*	Farner et al.	1946 +
	Polluted brackish water, tree holes; ---; 76	Bohart & Ingram	1946 +
	Foul-smelling waste water from houses, ponds with vegetable refuse; ---; 76, 158	Lamborn	1922

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
CULEX <i>fatigans</i> Wiedemann (cont.)	Bamboo holes; ---; 76	Hu	1937 +
	---; experimentally infected with <i>Wuchereria bancrofti</i> , intermediate host of <i>W. bancrofti</i> ; 76*. ---; naturally infected with <i>W. bancrofti</i> ; 139	Feng	1935
	---; naturally infected with <i>W. bancrofti</i> ; 76, 77	Manson-Bahr	1959
	---; carrier of filaria, dengue; 76, 77, 158	Faust	1926 a
	Ditches, pools, ponds, artificial containers; common; 77	Chow	1950
	---; ---; 118	Shingarev	1929 +
	---; ---; 122	de Mello & Afonso	1921
	Artificial containers; ---; 139	MacFarlane	1915 +
	---; carrier of <i>W. bancrofti</i> ; 139°	Jackson	1936
	Cement drains with reservoir and cess pool; enters houses, vector of <i>W. bancrofti</i> ; 143*	Korke	1930
	Collection of water containing organic matter; transmits <i>W. bancrofti</i> ; 143	Sundar Rao	1940
	Cement pits, sewage; naturally infected with filaria; 143°	King et al.	1929
	Tanks, irrigation channels; March-May; 143	Senior-White	1928 a
	Ditches, pools; at 6000 feet; 143	Barraud	1924 e
	Shaded and stagnant collection of water, grass plots, lagoons; ---; 143	Afridi et al.	1940
	Rotting vegetation; ---; 143	Fletcher	1928
	Open wells, common in filthy water; ---; 143	Fletcher	1930
	Artificial containers with rain water; ---; 143	Sundar Rao	1936
	Unused wells containing brackish water; ---; 143	Jaaswant Singh	1933
	Open earth drains; ---; 143	Roy	1931
	---; experimentally and naturally infected with <i>W. bancrofti</i> , natural vector of <i>W. bancrofti</i> ; 143, 144. ---; natural vector of <i>W. bancrofti</i> ; 146, 242	Raghavan	1961
	---; Feb.-March; 143	Korke	1928
	---; experimental transmission of <i>W. bancrofti</i> by bite; 143	Menon & Ramamurti	1941

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>CULEX fatigans</i> Wiedemann (cont.)	---; culverts, greenhouses, damp, dark, cool places; 143	Afridi & Majid	1938
	---; all year; 143°	Senior-White	1934
	---; ---; 143 (Flooded latrines, overflow water from houses, ground pools, shallow wells, rarely in tree holes or bamboos)	Barraud	1934
	Swamps, streams, artificial containers with or without vegetation; in houses, all year; 144*	Borel	1930 a
	Surface drains; ---; 144	Cruickshank & Wright	1914
	---; in houses, common, transmits <i>Wuchereria bancrofti</i> , suspected vector of dengue; 144	Toumanoff	1935
	---; active during cold season, ferocious biter; 144°	Galliard	1936 a
	---; experimental transmission of <i>W. bancrofti</i> ; 144	Galliard	1938
	---; ---; 145*	Wilcocks	1944 d
	---; ---; 146	Edwards	1928
	---; Feb.; 149	Stanton	1915
	---; ---; 150, 151, 158, 256 (Reservoirs, enters houses, transmits malaria)	Shtakelberg	1937
	Pools; ---; 151	Barraud	1920
	At 5000 feet above sea level; ---; 174. ---; experimental transmission of dengue; 242	Siler et al.	1926
	---; in houses, April, July, Dec. and Jan.; 190	Gater	1933 b
	Artificial containers; enters houses; 190	Milne	1933
	Unshaded pools; ---; 190	Lamborn	1922 a
	---; all year; 190	Kingsbury	1933
	---; indoors by day; 190°	Wharton & Reid	1950
	---; ---; 190*	Hodgkin	1938
	---; ---; 194	Cooling	1924 a +
	---; common; 242*	Houghwant	1918
	---; ---; 242*	Cabrera & Rozeboom	1964
	Natural and artificial collection of water; attracted to lights, enter houses; 277	Barraud & Christophers	1931
	---; naturally infected with <i>W. bancrofti</i> ; 326	Yakimoff et al.	1917

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>CULEX</i> <i>fatigans</i> Wiedemann (cont.)	Small pond; ---; 337	Brug	1931 a
<i>flavicornis</i> Barraud	---; Oct.; 143	Barraud	1924 d
<i>flavus</i> Motschulsky	---; ---; 256	Stone et al.	1959
<i>fouchouensis</i> Theobald	---; ---; 76	Stone et al.	1959
<i>fragilis</i> Ludlow	---; ---; 70, 143, 145, 190, 242, 277, 337 (Artificial containers, coconut shells, ground pools and tree holes)	Delfinado	1966
	Tree holes; Sept.; 143	Barraud	1924 d
	Brackish water; ---; 277	Bohart	1945
<i>fraudator</i> Theodor	---; Sept.; 11. ---; Aug.; 143	Barraud	1924 d
	---; 145, 190, 242	Edwards	1922 c
	Ponds in deep shade, depressions shielded by thick bushes and tall grasses and ferns, obstructed drains, artificial containers, coconut shells and bamboo stumps; ---; 280	Colless	1957 a
<i>fraudatrix</i> Theobald	---; ---; 11	Barraud	1934
	Potholes in mangrove tidal area, shallow wells; ---; 143, 190	Lee	1944
	---; ---; 145	Edwards	1924 +
	---; ---; 146, 149	Brug & Edwards	1931
	Shaded leafy pool, sunlit footprints, potholes, clear vegetated river; ---; 242	Bohart	1945
	Impounded, clear, vegetated spring water, slow-flowing vegetated streams; ---; 242	Baisas	1935 a
	---; ---; 277	Causey	1937 +
	Pot holes in mangrove tidal area, but also away from coast; ---; 280	Edwards & Given	1928
<i>fulleri</i> (Ludlow)	---; ---; 242	Bick	1949

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>CULEX fuscus Wiedemann</i>	---; ---; 11, 59, 70, 143, 144, 190, 242, 277, 337 (Natural pools, shallow wells, artificial containers of water)	Barraud	1934
	Artificial containers, polluted ground pools; experimentally infected with <i>Wuchereria bancrofti</i> ; 76	Bohart	1946
	Natural pools; bloodsucker; 76°	Tseng & Wu	1951
	Natural pools; ---; 76	Chow	1949 c
	---; experimentally infected with <i>W. malayi</i> ; 76	Hu	1944 +
	---; flat regions; 76	Feng	1935
	---; ---; 76, 139 (Clear water, bites man)	Hsiao	1945
	Artificial containers; ---; 77	Chow	1950
	---; in plains, up to 4000 feet, July-Aug.; 143. ---; July-Aug.; 235	Barraud	1924 b
	---; ---; 145, 146, 149, 158, 168, 294 (Natural pools, shallow wells and domestic collections of water, seldom bites man)	Delfinado	1966
	---; ---; 146, 149	Brug & Edwards	1931
	Small natural pools with stagnant water, shallow wells, artificial containers; ---; 242	Bohart	1945
	---; ---; 256	Stone et al.	1959
	Natural water collections, rice fields; enters houses; 277	Barraud & Christophers	1931 +
	Pools of stagnant water; cannibalistic; 277	Causey	1937
<i>fuscifurcatus Edwards</i>	Obstructed drains, artificial containers, coconut shells, bamboo stumps; ---; 280	Colless	1957 a
	---; ---; 70	Carter	1950 a
	Natural pools; ---; 76	Chow	1949 c
<i>fuscitarsis Barraud</i>	---; ---; 143	Edwards	1934 a
	Ground and river pools, swamps; ---; 143	Barraud	1934
	---; July; 143	Barraud	1924 b

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>CULEX</i> <i>fuscocephalus</i> Theobald	---; Aug.-Sept.; 11. ---; Jan., 4000 feet; 59. ---; Jan., June-Sept.; 143. ---; Aug.-Sept.; 235	Barraud	1924 b
	---; ---; 11, 59, 70, 77, 143, 144, 145, 146, 149, 190, 242, 277 (Ground pools, rice paddies, common in houses, possible vector of filariasis). Muddy pond with weeds, algae, small brooks, irrigation ditches; ---; 242	Delfinado	1966
	Tree holes; ---; 70	Wijesundara	1942
	---; naturally infected with <i>Wuchereria malayi</i> ; 70	Carter	1948
	Shady sewage contaminated pool, mud hole, artificial container; ---; 76	Riley	1932
	Semipermanent ground pools; ---; 76	Bohart	1946
	Pond; ---; 76	Hu	1937
	Rice fields and pools; ---; 77	Chow	1950
	---; ---; 139	Anonymous	1915
	Shallow grassy clean water pools; Nov.; 143	Senior-White	1934
	Ground pools, rice fields; ---; 143	Roy & Brown	1954
	Large pools, ponds; ---; 143	Barraud	1924 e
	Swamps, streams, artificial containers with or without vegetation; in houses, all year; 144	Borel	1926
	---; ---; 145*	Manson-Bahr	1959
	---; experimentally infected with <i>W. bancrofti</i> ; 145	Brug	1937
	Exposed clear ground pool, borrow pit; ---; 242	Bick	1949
	Rice fields; ---; 242	Bohart	1945
	---; naturally infected with <i>W. bancrofti</i> , carabao- baited trap; 242	Rozeboom & Cabrera	1964
	Rice fields; enters houses, near lights; 277	Barraud & Christophers	1931
	Ground pools; ---; 277	Causey	1937
	Hyacinth ponds, obstructed drains, artificial containers; ---; 280	Colless	1957 a

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>CULEX gelidus Theobald</i>	---; Jan.; 59. ---; Jul.-Oct.; 143	Barraud	1924 b
	---; ---; 59, 70, 77, 144, 190, 227, 242, 337 (Ground pools with weeds, marshy tracts)	Barraud	1934
	Swamps, natural pools; Sept.; 70°	James	1914
	River; ---; 70	Senior-White	1920 a
	---; naturally infected with <i>Wuchereria malayi</i> ; 70	Carter	1948
	---; naturally infected with filaria; 70	Dassanayake & Chow	1954
	Semipermanent ground pools; ---; 76	Bohart	1946
	---; ---; 76, 139 (Pools with sandy bottoms, containing considerable decayed vegetable matter, bites man)	Hsiao	1945
	Artificial containers, open drains, swamps, and natural pools; enter houses, April, June-Dec.; 143°	Senior-White	1934
	Weedy pools, tanks, marshes; ---; 143	Barraud	1924 e
	---; naturally infected with <i>W. bancrofti</i> and <i>W. malayi</i> ; 143	Raghavan	1961
	Swamps, streams, artificial containers with or without vegetation; in houses; 144	Borel	1926
	---; ---; 149	Brug & Edwards	1931
	---; ---; 158, 218, 235, 242 (Ground pools in weedy and marshy areas, carabao-baited trap, enters houses). Rice paddies, fish ponds; ---; 242	Delfinado	1966
	Natural collections of water; enters houses; 190	Milne	1933
	---; all year; 190	Kingsbury	1933
	---; vicious biter, July; 190°	Gater	1933 b
	Permanent pools near habitations; ---; 242°	Bohart	1945
	Exposed creek pot holes with vegetation; ---; 242	Bick	1949
	Natural water collections, rice fields; enters houses; 277	Barraud & Christophers	1931
	Ground pools of a mountain stream; ---; 277	Causey	1937
	Hyacinth ponds, obstructed drains; ---; 280	Colless	1957 a

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>CULEX</i>	---; ---; 70	Carter	1950 a
<i>gelidus</i>			
var. <i>bipunctatus</i>	Contaminated pools; ---; 76	Chow	1949 c
Theobald	---; ---; 143	Barraud	1924 b
<i>gelidus</i>	---; ---; 70	Carter	1950 a
<i>cuneatus</i>	---; ---; 143	Barraud	1924 b
Theobald	---; ---; 242	Bezzi	1913
<i>geminus</i>	Grassy margins of running streams; ---; 280	Colless	1957
Colless			
<i>gibbulus</i>	---; ---; 242	Delfinado	1966
Delfinado			
<i>habilitator</i>	---; naturally infected with <i>Wuchereria bancrofti</i> ; 143	Manson-Bahr	1959
Dyar & Knob			
<i>hackeri</i>	Pools at stream edge; ---; 190	Edwards	1923 +
Edwards			
<i>halifaxi</i>	Pools of dirty water in ravine; ---; 70. Rice fields; ---; 143. Small ponds, roadside ditches, jungle pool; ---; 190	Barraud	1934
Theobald			
	---; enters houses; 70	Senior-White	1920 a
	---; ---; 70, 242, 277, 337 (Rock pools, rice fields, small ponds, road side ditches, jungle pools and other artificial containers about habitation)	Delfinado	1966
	Artificial containers, polluted ground pools; ---; 76	Bohart	1946
	Tree holes; ---; 144	Borel	1930 a
	Rock pools, swamps, wheel ruts, slits, trenches and artificial containers; ---; 143, 190	Lee	1944
	---; ---; 146, 149	Brug & Edwards	1931
	---; ---; 147	Brug	1925 +
	Rice fields, jungle pools, tea-tree swamp; ---; 242	Bohart	1945
	Drains, swamps, artificial containers; ---; 242	Hsiao	1945
	Artificial water collections; enters houses; 277	Barraud & Christophers	1931
	Pools of stagnant water, cannibalistic; ---; 277	Causey	1937

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>CULEX</i> <i>hayashii</i> Yamada	Swamp, slowly running temporary stream, rain pool, shaded running hill stream with grassy edge; ---; 76	Feng	1933 b
	Lakes with surface vegetation; ---; 76	Anonymous	1946 a +
	Springs, stream pools; ---; 76	Bohart	1946
	---; hilly regions; 76	Feng	1935
	---; June-Aug.; 76	Wu	1936
	Mountain streams; ---; 77	Chow	1950
	---; ---; 143. Rock pools, side pools of small streams, seepage pools; damp situations among vegetation and rocks; 257	Bohart & Ingram	1946
	Shaded, vegetated margins of low streams, rice paddies, irrigation ditches; May-Oct.; 158°	La Casse & Yamaguti	1950
	Small natural pond, almost dried up, completely shaded; ---; 158	Lamborn	1922
	Seepage pools, rock pools, stream pools; ---; 158	Hsiao & Bohart	1946
	Cool streams at foot of mountains; ---; 158	Sasa & Saboi	1950
	Muddy shaded pools; ---; 158	Yamada	1925
	Ponds, ditches; rarely bites man; 168°	Barnett & Toshioka	1951
	Slowly flowing streams; ---; 168	Hsiao	1948
	Pools, slowly flowing streams; ---; 194	Hsiao	1946
	Lake with much surface vegetation; ---; 194	Chin	1936
	---; ---; 256	Stone et al.	1959
<i>hewitti</i> Edwards	Pitcher plant; ---; 145	Edwards	1923 +
	---; ---; 149, 190	Brug & Edwards	1931
	---; ---; 242	Edwards	1929
	Pitcher plant; ---; 280	Edwards & Given	1928
<i>hilli</i> var. <i>buxtoni</i> Edwards	---; ---; 280	Edwards	1928 a
<i>hirsutus</i> Theobald	---; ---; 242	Bezzi	1913

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>CULEX</i>	Reservoirs with vegetation; ---; 35, 345	Konchadskii	1936
<i>hortensis</i>	Reservoirs with vegetation and clean water; in grottos; 118, 302, 318, 321, 326, 342	Shtakelberg	1937
<i>Ficalbi</i>	Brooks, bogs and swamps; ---; 150	Gutzevich	1948 +
	Brackish water; Jan.-May; 154. ---; July; 302	Buxton	1924 a
	Pools; May; 154, 302	Barraud	1921
	Shallow pools with vegetation, artificial containers; Mar.-May, Aug., Sept.; 174, 302	Parr	1942 +
	Rain pools in meadows; ---; 317	Bedia Bali	1938
	---; June-February; 321	Rybinsky	1933
	---; ---; 350, 354	Martini	1931
<i>nuangae</i>	---; ---; 76	Stone et al.	1959
<i>Meng</i>			
<i>hutchinsoni</i>	Road side pools; July; 143	Barraud	1924 b
<i>Barraud</i>	Depressions shielded by thick bushes, tree holes, coconut shells, bamboo stumps and artificial containers; ---; 280	Colless	1957 a
<i>impudicus</i>	---; ---; 321	Rybinsky	1933
<i>Ficalbi</i>			
<i>incognitus</i>	Grassy puddles, stagnant pools, rice fields, forest swamps, shaded creeks; ---; 242	Delfinado	1966
<i>Baisas</i>	---; carabao-baited trap, outdoors and indoors, anthropophilic; 242	Rozeboom & Cabrera	1964
<i>infantulus</i>	---; ---; 70, 76, 143, 144, 146, 158, 191, 218, 242, 257, 277 (Seepage pools, rock stream pools, forest forest creeks with vegetation, damp vegetation and rocks along streams)	Delfinado	1966
<i>Edwards</i>	Temporary rain pool connecting an irrigation ditch, rain pool; ---; 76	Feng	1933 b
	Rain pools; ---; 76	Chang	1939
	Springs, stream pools; ---; 76	Bohart	1946
	River beds; ---; 76	Li & Wu	1935 b +
	---; ---; 76, 139 (Rain pools, shaded stream pools, irrigation ditches)	Hsiao	1945

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>CULEX</i> <i>infantulus</i> Edwards (cont.)	Tanks, ditches, ponds, ground water pools, margins of slow moving streams; ---; 158	La Casse & Yamaguti	1950
	Seepage pools, stream pools, rock pools; ---; 158	Hsiao & Bohart	1946
	Vegetated slow flowing streams; ---; 242	Bohart	1945
	Seepage pools, stream pools with vegetation and rock pools; damp vegetation and rocks along streams, May-Sept.; 257	Bohart & Ingram	1946
	Ground pools of mountain streams; ---; 277	Causey	1937
<i>iphis</i> Barraud	---; Sept.; 143	Barraud	1924 b
<i>jacksoni</i> Edwards	---; ---; 76, 139	Hsiao	1945
	---; ---; 256	Stone et al.	1959
<i>javanensis</i> Bonne-Wepster	Temporary ground pools; ---; 146	Bonne-Wepster	1934 +
<i>jenseni</i> (de Meijere)	<i>Nepenthes gymnamphora</i> ; ---; 145, 146, 149	Brug	1931 a
	Pitcher plants; ---; 190	Edwards	1923 +
	Pitcher plants; ---; 280	Edwards & Given	1928
<i>josephinae</i> Baisas	Marsh, swamp puddles; ---; 242	Delfinado	1966
	Clear, vegetated river; ---; 242	Baisas	1935 a
<i>khazari</i> Edwards	Tree holes; Sept., Nov.; 143	Barraud	1924 b
<i>laticinctus</i> Edwards	---; ---; 151	Gutzevich	1948 +
	Cisterns, water-butts, open concrete tanks; ---; 154, 159, 342	Buxton	1924 a
	Covered surface wells, tanks; ---; 154, 159, 174, 342	Barraud	1921
	---; ---; 233	Edwards	1921 +
	Reservoirs, pits, artificial containers; ---; 256, 321, 342, 345	Shtakelberg	1937
	Artificial containers; Aug.-Dec.; 302	Parr	1943 +
	Brackish water; ---; 302	Adrien	1918
	---; ---; 302, 317, 342 (Reservoirs, in inhabited areas)	Monchadskii	1936

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>CULEX</i>	---; ---; 317	Anonymous	1944
<i>laticinctus</i>			
Edwards (cont.)	---; mostly near people; 350	Martini	1931
<i>latifolius</i>	Creek; ---; 242	Delfinado	1966
Delfinado			
<i>laureli</i>	Along stream banks, in stagnant and grassy pools, crab holes; ---; 242	Delfinado	1966
Balsas			
	Vegetated edges of rapidly flowing streams; ---; 242	Balsas	1935 a
<i>laurenti</i>	Grass and sedge; August; 154	Buxton	1924 a
Newstead			
	---; ---; 159 (Enters houses, bites man)	Martini	1931
	Rice fields; in houses; 342°	Shtakelberg	1937
	---; ---; 342	Monchadskii	1936
<i>lavatae</i>	Tree holes; ---; 242	Delfinado	1966
Stone & Bohart			
<i>macdonaldi</i>	---; ---; 143. Clear fresh water just above tidal limits; on vegetation in tidal zone; 242. ---; ---; 280	Delfinado	1966
Colless			
<i>malayi</i>	---; ---; 11, 59, 144	Barraud	1934
(Leicester)			
	---; ---; 70	Carter	1950 a
	Ground pools, swamps, creeks, slowly flowing hill streams, clear water; ---; 76	Chang	1939
	Rain pool connecting temporary running stream, pond with surface vegetation; ---; 76	Feng	1933 b
	Jungle, mountains, lowlands; ---; 76	Li & Wu	1935 b
	Springs, stream pools; ---; 76	Bohart	1946
	Ditches, ponds; ---; 76	Chow	1949 c
	---; ---; 76, 139 (Ponds and ditches with clear stagnant water)	Hsiao	1945
	Ground pools; ---; 77	Chow	1950
	Stagnant pools with vegetation; ---; 143, 145, 147, 190	Lee	1944
	Rock pool; Nev.; 143	Senior-White	1934

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>CULEX</i> <i>malayi</i> (Leicester) (cont.)	Between <i>Hydrilla</i> in shade; ---; 143, 144, 145, 146, 147, 149, 190	Brug	1931 a
	---; Sept.; 143	Barraud	1924 b
	Stagnant water of furrows; ---; 144	Borel	1926 c
	Grassy streams, pools; ---; 144	Borel	1926
	Stone basin; ---; 145. Small rock pools along mountain streams; ---; 242	Bohart	1945
	Rock pools in mountain streams; ---; 277	Causey	1937
<i>mammilifer</i> (Leicester)	Bamboo stump; ---; 11, 143, 149, 190	Brug	1931
	---; Sept.; 11. ---; March; 59. ---; Oct.; 143	Barraud	1924 d
	---; ---; 11, 59, 70, 143, 145, 149, 242 (Rarely bites man). Common in axils of Nipa palms, ground pools with decaying vegetation; ---; 190	Delfinado	1966
	Rock pool; ---; 70. ---; ---; 145, 190 (Jungle and rock pools)	Barraud	1934
	Jungle and rock pools, forest creek, bamboo stump; ---; 242	Bohart	1945
<i>martinii</i> Meschid	---; ---; 303	Keshish'yan	1941 +
	---; ---; 317	Anonymous	1944
	---; ---; 326	Monchadskii	1936
<i>mattinglyi</i> Knight	---; ---; 270, 332	Stone et al.	1959
	---; ---; 302	Stone	1961
<i>microannulatus</i> Theobald	---; ---; 143*	Manson-Bahr	1959
	Irrigation channels; ---; 144	Cruickshank & Wright	1914
	---; ---; 242	Banks	1919
<i>mimeticus</i> Noë	---; ---; 31	Barraud	1924 b
	---; ---; 35, 76, 118, 143, 256, 318, 342 (Collection of rain water in rocky streams, fast rivulets and back waters with vegetation)	Monchadskii	1936
	---; ---; 59, 76, 77, 139, 143, 144, 190, 277 (Pools, slowly running streams with green algae, enters houses)	Hsiao	1945
	---; ---; 70. Fresh water pools, slowly running streams with green algae, artificial containers; ---; 76. Rice paddies; ---; 256	Bohart & Ingram	1946

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>CULEX</i>	Pools on sandy river beds, hilly brooks; ---; 76	Feng	1935 a
<i>mimeticus</i>	Jungle, mountains, lowlands, ponds; ---; 76	Li & Wu	1935 b
Noë	---; at 10,000 feet elevation; 76	Feng	1935
(cont.)	---; ---; 76, 118, 143, 162, 318, 342, 345 (Fresh water mountain streams)	Shtakelberg	1937
	Streams, pools; ---; 77	Chow	1950
	Swamps; ---; 143	Horne	1914 +
	Rock pools, rapidly running grassy streams; ---; 144	Borel	1930 a
	Pools; ---; 145	Roper	1914
	---; ---; 146	Edwards	1925
	Brooks; rice fields; 150	Gutzevich	1948 +
	Clear pools; ---; 154, 174, 317	Barraud	1921
	---; May; 154. ---; Aug., April; 159	Buxton	1924 a
	Rice paddies, green algae; occasionally enters house; 158	Hsiao & Bohart	1946
	Ground pools, drainage ditches; ---; 158	La Casse & Yamaguti	1950
	Fresh ground water pools, and ditches; rarely bites man; 168°	Barnett & Toshioka	1951
	Algae-covered water, rock pools; ---; 277	Causey	1937
	Rock pools in dry stream beds; Mar., Apr.; 302	Parr	1943 +
	---; ---; 317	Anonymous	1944
	---; ---; 350	Martini	1931
<i>mimeticus</i>	---; ---; 143, 235	Barraud	1924 b
var. <i>minuloides</i>	---		
Barraud	---		
<i>minuloides</i>	---; ---; 143	Edwards	1934 a
Barraud			
<i>mimulus</i>	---; ---; 59, 145	Barraud	1934
Edwards			
	Ravine, well, swamp, pool in river, streams, paddy field; Dec.-Apr., June; 70	Senior-White	1920 a
	Old manure pit containing rain water; at 4000 feet elevation; 76	Crook	1939

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>CULEX</i>	Natural pools; ---; 76, 139	Chow	1949 c
<i>mimalus</i>	---		
Edwards	---; Jan., July-Sept.; 143. ---; Sept.; 235	Barraud	1924 b
(cont.)	Swamps, streams covered with vegetation, tree holes, hollow bamboo stalks; ---; 144	Borel	1930 a
	Rock basins; ---; 144	Borel	1926
	---; ---; 146, 149	Brug & Edwards	1931
	Streams, ponds covered with vegetation, bamboo holes, stone tanks and sphagnum pools; ---; 147	Lee	1944
	---; ---; 130	Hsiao	1945
	---; ---; 218, 277, 337. Empty snail shells, ruts; ---; 242	Delfinado	1966
	Depressions shielded by thick bushes and tall grasses and ferns, obstructed drains, artificial containers, coconut shells, bamboo stumps; ---; 280	Colless	1957 a
<i>mindanaoensi</i>	Fresh water swamps; ---; 242	Bohart	1945
Baisas			
<i>minor</i>	---; ---; 59, 76, 143, 190, 277, 280	Stone et al.	1959
(Leicester)	Pool; ---; 70. Tree holes, rock pools, bamboo stumps; June; 143	Barraud	1924 d
	Bamboo stumps; ---; 76	Chow	1949
	Rock pool in stream bed; ---; 144, 146, 190, 280	Brug	1931 a
	Forest; ---; 144	Borel	1927 +
	Tree holes and bamboo stumps; ---; 144	Borel	1930 a
	Bamboo; ---; 190	Edwards	1926 +
	---; ---; 190, 242, 257, 277 (Bamboo stumps, tree holes, rock holes in forest streams)	Delfinado	1966
	Rock pools of mountain stream; ---; 277	Causey	1937
	Rock pools, old fallen bamboos, tree holes; ---; 280	Edwards & Given	1928
<i>minor</i>			
var. <i>bandoengensis</i>	Bamboo stump; ---; 146	Brug	1939
Brug			

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>CULEX</i> <i>minor</i> var. <i>bengalensis</i> Barraud	---; ---; 133	Stone et al.	1959
<i>minutissimus</i> (Theobald)	Spring pool; ---; 70	Senior-White	1928
	Bamboos; ---; 71	Wijesundara	1942
	---; ---; 70, 145, 146 (Rock springs, pools in ravines and river beds, artificial containers of water in coconut shells, shallow wells, stagnant water in shaded culverts)	Barraud	1934
	Springs, stream pools; ---; 76	Bohart	1946
	---; ---; 139, 143, 144, 149 (Rock springs, pools in rivers and river beds, coconut shells, shallow wells)	Hsiao	1945
	Surface well; Sept.; 143	Barraud	1924 d
<i>modestus</i> Ficalbi	---; ---; 35, 118, 256, 318, 321, 326, 342 (Sunlit reservoirs with vegetation)	Monchadskii	1936
	---; ---; 59, 143, 144. Semipermanent ground pools; ---; 76	Bohart	1946
	Artificial containers, pools; ---; 76	Hsiao	1945
	Pools; Oct., Nov.; 151	Barraud	1920
	Marsh; ---; 154	Austen	1921
	---; June; 154	Buxton	1924 a
	---; ---; 162	Ivanov	1944
	Artificial containers; ---; 194	Anonymous	1946
	Ponds; ---; 194	Hsiao	1946
	---; ---; 235, 350	Wu	1940
	Fresh waters, river flood areas, steppe, rivers; May, peak Sept.; 256	Martini	1931
	Clay pits, standing water with submerged vegetation; ---; 256	Anonymous	1945 a
	Salty lakes; ---; 256	Pavlovskii	1947 +
	---; bites man only outdoors; 256°	Chagin	1948
	---; ---; 303	Keshish'yan	1941 +
	---; ---; 317	Anonymous	1944

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>CULEX</i>	---; April-October; 321	Rybinsky	1933
<i>modestus</i>			
<i>Ficalbi</i>	---; ---; 321°	Reinhard & Gutzevich	1931
(cont.)			
	Swamps, brackish water; ---; 326	Kazantzev	1932 +
	---; ---; 345	Mess	1940
<i>molestus</i>	---; enters houses, all year, bites man at night; 174°, 302	Parr	1943 +
(Forsk.)			
	---; ---; 256	Fedorev	1946
<i>navalis</i>	---; ---; 145	Austen	1934
Edwards	---; ---; 190	Edwards	1928 a
	Pitcher plants; ---; 280	Edwards & Given	1928
<i>nebulosus</i>	---; ---; 242	Edwards	1912
Theobald			
<i>nematoides</i>	---; Aug.; 242	Dyar & Shannon	1925
Dyar & Shannon			
<i>niger</i>	---; ---; 149	Brug	1925 +
Leicester	---; ---; 190	Edwards	1928
<i>nigropunctatus</i>	Pools; ---; 70. Rice fields; ---; 143. ---; ---; 235	Barraud	1934
Edwards	---; ---; 70, 77, 133, 143, 145, 146, 149, 190, 257, 277 (Rice field, small shady pools and occasionally in artificial containers). Tin cans, lily pond, grassy ground pools, coconut shell, fox holes; ---; 242	Delfinado	1966
	Exposed dirty water, artificial containers; ---; 242	Bick	1949
	Rice field, small shady pools; ---; 242	Bohart	1945
	Shady pools, water receptacles; ---; 277	Causey	1937 +
	---; enters houses; 277	Barraud & Christophers	1931
	Obstructed drains, artificial containers; ---; 280	Colless	1957 a
<i>nilgiricus</i>	---; at 7500 feet elevations, Dec.; 143	Barraud	1924 b
Edwards			
<i>nolledoi</i>	Rock holes in forest creeks; ---; 242	Bohart	1945
Baisas			
<i>nudipalpis</i>	---; ---; 256	Stone et al.	1959
Shingarev			

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>CULEX</i>			
<i>obscurus</i> Leicester	---; ---; 190	Edwards	1928
<i>orientalis</i> Edwards	---; ---; 70	Carter	1950 a
	Lotus and spring ponds, lakes with vegetation; ---; 76	Hsiao & Bohart	1946
	Jungle and mountains; ---; 76	Li & Wu	1935 b +
	Streams; ---; 77	Chow	1950
	---; ---; 139	Hsiao	1945
	Fresh water ground pools, paddies, weedy margins of slow moving streams; ---; 158	La Casse & Yamaguti	1950
	Foul, stagnant water in swamps; ---; 158	Lamborn	1922
	---; enters houses, Aug.; 158	Mitamura & Kitaoka	1950
	Fresh water in ground pools, rice paddies, ponds and ditches; rarely bites man; 168°	Barnett & Toshioka	1951
	Lotus ponds, springs and lakes; ---; 168	Hsiao	1948
	Lake with surface vegetation; ---; 194	Hsiao	1946
	---; grassy areas; 256	Pavlovskii	1947 +
<i>pachecoi</i> Baisas	Semi-stagnant edges of forest creeks; ---; 242	Delfinado	1966
<i>pallidothorax</i> Theobald	---; ---; 59, 77, 139, 143, 144, 145, 277 (Clean and occasionally polluted water, artificial containers, shady pools, stone holes around houses)	Hsiao	1945
	---; ---; 59, 70, 143 (Tree holes, bamboos, shallow wells, streams, rock and swampy ground pools, sometimes in foul water)	Barraud	1934
	Rock spring, swamps, dirty portion of stream; ---; 70	Senior-White	1920 a
	Tree holes, bamboo stumps, springs, rock or ground pools, swamps, pools in stream beds, clear water and foul water; ---; 76	Chang	1939
	Standing water with decaying leaves, other organic matter; experimental intermediate host of <i>Wuchereria bancrofti</i> ; 76	Hu	1940 a

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>CULEX</i> <i>pallidothorax</i> Theobald (cont.)	Artificial containers of clean rain water, shaded spring pool, bamboo stump; ---; 76	Feng	1933 b
	Polluted ground pools; ---; 76	Bohart	1946
	Lowlands, foul drains, ---; 76	Li & Wu	1935 b. +
	Pits, stone holes; ---; 76	Hu	1937
	---; ---; 76*	Manson-Bahr	1959
	---; ---; 76, 143, 144, 147, 190, 277 (Experimentally infected with <i>Wuchereria bancrofti</i>). Tree holes, bamboos, shallow wells, stream and rock pools, swampy ground pools, occasionally polluted water; ---; 257	Bohart & Ingram	1946
	Artificial containers; ---; 77	Chow	1950
	Open wells, filthy water; ---; 143	Fletcher	1930
	Tree holes, wells, swamps in forest paths; ---; 144	Borel	1930 a
	---; ---; 149	Brug & Edwards	1931
	Artificial containers, rock pools; experimentally bites man; 158	Hsiao & Bohart	1946
	Polluted water in tanks; moist sand caves; 158	La Casse & Yamaguti	1950
	---; ---; 218, 242, 257 (Tree holes, bamboo, stream rock pools, ground pools and artificial containers)	Delfinado	1966
	---; August; 235	Barraud	1924 d
	Rock holes; Aug., Oct., Nov.; 277	Causey	1937
<i>papuensis</i> (Taylor)	Coconut shells, polluted water in artificial containers, refuse pits, tree buttresses; ---; 147	Lee	1944
	Muddy shaded ground pool with leaves, mossy forest, holes in rotted banana stump, muddy stream pool, 5800 feet elevation; ---; 242	Delfinado	1966
<i>parainfantulus</i> Menon	---; ---; 70	Carter	1950 a
	---; ---; 76, 143, 144, 146, 158, 242, 257, 277	Mattingly	1949 a
<i>pavlovsky</i> Shingarev	---; ---; 166, 256	Stone et al.	1959

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>CULEX</i>	Small marshy pools; April-May; 143	Barraud	1924 e
<i>perexiguus</i>	---; Apr., Sept.; 143. ---; June; 174. ---; ---; 235	Barraud	1924 b
Theobald	Marshes, streams with vegetation; enters houses, bites man; 154°, 159°	Buxton	1924 a
	Footprints, small collections of water; ---; 154	Buxton	1922
	---; ---; 317	Anonymous	1944
	---; ---; 342	Séguy	1924
<i>perplexus</i>	---; ---; 190	Colless	1957
Leicester	Hyacinth ponds; ---; 280	Colless	1957 a
<i>pitens</i>	---; ---; 28	Popov	1924
Linnaeus	---; ---; 31	Bedford	1928
	Wells with high salt content; ---; 35	Achundow	1935
	Clear or polluted water, artificial containers, rarely found in tree holes, bamboo stumps, natural pools, ditches; ---; 76	Chang	1939
	Pond without vegetation; ---; 76	Feng	1933 b
	Water kongs; ---; 76	Lan Chou	1930
	---; enters houses, experimentally and naturally infected with <i>Wuchereria bancrofti</i> , Sept.-Oct.; 76	Hu	1935 c
	---; naturally infected with filaria, host of <i>W. bancrofti</i> ; 76	Feng	1935
	---; jungle, mountains and lowlands; 76	Li & Wu	1935 a
	---; June-July; 76	Hu & Chang	1933
	---; ---; 76*	Roy & Brown	1954
	---; ---; 76°	Tseng & Wu	1951
	Artificial containers with stagnant water and decomposing organic matter; ---; 118	Roukhadze	1929
	Bogs and swamps, pits and ditches; ---; 150°	Gutzevich	1948 +
	---; ---; 150°	Gutzevich	1943
	Deep well; near houses; 154, 174, 342	Barraud	1921
	Cisterns; ---; 154	Austen	1919

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>CULEX</i> <i>pipiens</i> Linnaeus (cont.)	Polluted water in ditches; bites man at night, all year, common August, experimental transmitter of and naturally infected with Japanese "B" encephalitis; 158°	La Casse & Yamaguti	1950
	Foul water, ponds with organic matter; ---; 153	Lamborn	1922
	Ditches, ground pools, artificial containers, ponds and night soil containers; bites man at night, enters houses, possible vector of Japanese "B" encephalitis; 168°	Barnett & Toshioka	1951
	Polluted water; bites man at night, enters houses; 194°	Chin	1936
	---; enters houses; 207°	Lepsi	1935
	---; ---; 235	Gill	1917
	Drains; enters houses; 256	Kon et al.	1942
	---; May-Oct.; 256	Pletnjow	1928
	---; naturally infected with Japanese "B" encephalitis; 294	Sabin	1950
	Cistern; ---; 302	Legendre	1924 a
	---; ---; 303	Keshish'yan	1941
	Rain pools in meadows; ---; 317	Bedia Bali	1938
	---; enters houses, infected with oocysts and sporozoites; 321°	Goritzkaya	1934
	Artificial water container; numerous; 321°	Savitzkii	1938
	---; ---; 321	Rybinsky	1933
	Swamps, polluted ponds; ---; 326	Kazantzev	1932
	Water butts, cisterns, rock tombs; ---; 342	Buxton	1924 a
	---; ---; 345	Mess	1940
	---; ---; 70*, 76*, 139*, 143*, 144*, 145*, 146*, 242*. ---; naturally infected with <i>Wuchereria bancrofti</i> ; 143, 242	Manson-Bahr	1959
	---; ---; 122	de Mello	1914
	---; enter houses, all year; 144°	Galliard	1936 a
<i>pipiens</i> <i>fatigans</i> Wiedemann	---; enters houses to bite at night and rest by day; 190°	Wharton & Reid	1950
	Cess pits; ---; 235	Mhaskar	1913 +

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>CULEX</i>	---; bites man at night; 242°	Banks	1919
<i>pipiens</i>			
<i>fatigans</i>	Open drains, pools, ponds, water receptacles; enters houses; 277	Causey	1937
Wiedemann (cont.)			
<i>pipiens</i>	Artificial containers, polluted ground water; experimentally infected with <i>Wuchereria bancrofti</i> , natural carrier of Japanese "B" encephalitis; 76	Bohart	1946
<i>pallens</i>			
Coquillett	Ponds, ditches; suspected carrier of filariasis, common; 76	Robertson & Hu	1934
	Any collection of water containing much organic matter; bites at night, enters houses; 76°, 194°	Hsiao	1946
	---; enters house, common, possible vector of <i>W. bancrofti</i> , naturally infected with <i>W. bancrofti</i> ; 76°. ---; experimental vector of Japanese "B" encephalitis; 76	Hsiao	1945
	---; intermediate host of and experimentally infected with <i>Wuchereria bancrofti</i> , June-July; 76	Hu & Yen	1933
	---; ---; 76*	Wharton	1957 a
	---; naturally infected with <i>W. bancrofti</i> ; 76*, 146*, 158*	Manson-Bahr	1959
	---; ---; 76* ---; ---; 194	Feng	1935
	Any collection of water, especially with considerable matter; most suitable host of <i>W. bancrofti</i> , experimental and natural infection of Japanese "B" encephalitis; 158°	Hsiao & Bohart	1946
	---; experimental transmission of poliomyelitis virus to rhesus monkey; 158	Mitamura & Kitaoka	1950 a
	Cesspools, drains, concrete pools; experimentally infected with Japanese "B" encephalitis; 158°	Sasa & Sabin	1950
	---; naturally infected with <i>Wuchereria bancrofti</i> ; 158	Yamada & Komori	1927
	---; experimentally infected with <i>Wuchereria bancrofti</i> ; 158. ---; common; 168	Yamada	1928
	---; experimental transmission of "West-Nile" virus; 158	Kitaoka	1950
	In almost any collection of water; bites at night, host of <i>W. bancrofti</i> and experimentally and naturally infected with Japanese "B" encephalitis; 168°	Hsiao	1948
	Ubiquitous, water containing organic matter; ---; 194*	Anonymous	1946

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>CULEX</i>			
<i>plantaginis</i> Barraud	Pools, cement water channel in heavy sal forest; ---; 143	Barraud	1934
	---; August; 143	Barraud	1924 d
<i>pluvialis</i> Barraud	Small rock pool in heavy jungle; Sept.; 143	Barraud	1924 b
<i>propinquus</i> Colless	Artificial containers; ---; 280	Colless	1957 a
<i>pseudoinfula</i> Theobald	---; ---; 76	Faust	1926 a
<i>pseudosinensis</i> Colless	Grassy margins of running streams; ---; 280	Colless	1957 a
<i>pseudovishnui</i> Colless	---; ---; 143, 190, 242, 277 (Ground pools, rice fields and salt marshes). Ground pools, stagnant pond with algae; ---; 242	Delfinado	1966
	Hyacinth ponds; ---; 280	Colless	1957 a
<i>pullus</i> Theobald	---; ---; 70, 145, 190	Edwards	1922 c
	Irrigation channels; April-May; 143	Senior-White	1928 a
	Artificial containers, forest and jungle pools, tree holes; ---; 143. Forest and jungle pools; ---; 144	Knight et al.	1944 +
	Rice fields; ---; 143, 235	Barraud	1924 d
	---; ---; 146	Edwards	1928
	Fresh water in wheel ruts, grassy drains, coconut shells, artificial containers; ---; 147	Lee	1944
	---; ---; 147 (Ground pools, tree holes)	Bohart & Ingram	1946
	---; ---; 149	Brug & Edwards	1931
<i>pusillus</i> Macquart	---; ---; 150, 270, 302, 303	Stone et al.	1959
	---; ---; 151, 317, 318, 326 (Stagnant reservoirs with salt water)	Monchadskii	1936
	---; Sept.-Nov.; 151, 317	Martini	1931
	---; ---; 151, 318, 326 (Salt lakes)	Shtakelberg	1937
<i>quadripalpis</i> Edwards	Tree holes; ---; 144	Borel	1930 a
	---; ---; 145, 190	Edwards	1922 c
	Pot holes in mangrove tidal area, also away from coast; ---; 280	Edwards & Given	1928

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>Culex</i> <i>quadripalpis</i> Edwards (cont.)	Depressions shielded by thick bushes 1 tall grasses and ferns; ---; 280	Colless	1957 a
<i>quinquefasciatus</i> Say	Artificial containers and polluted ground pools; naturally and experimentally infected with <i>Wuchereria</i> <i>bancrofti</i> ; 76	Bohart	1946
	Ponds, ditches; ---; 76	Chow	1949 c
	---; naturally infected with <i>W. malayi</i> ; 76*. ---; naturally infected with <i>W. bancrofti</i> , probable vector of filariasis; 139. ---; regarded as a vector of filariasis; 144. ---; experimental transmission of <i>W. bancrofti</i> ; 146	Hsiao	1945
	---; experimental transmission of Japanese "B" encephalitis; 76	Anonymous	1945
	---; ---; 76*, 77. Small water collections, especially those containing organic matter; enters houses, suitable intermediate host of <i>W. bancrofti</i> ; 158, 257	Hsiao & Bohart	1946
	In rock holes with polluted water; rare; 144	Galliard & Ngu	1950
	---; bites at night; 158°	La Casse & Yamaguti	1950
	Ditches, ground pools, artificial containers, streams, ponds and night soil containers; enters houses, night biter, possible vector of Japanese "B" encephalitis; 168°	Barnett & Toshioka	1951
	Sewage disposal system; enters houses; 190 (Carrier of dengue)	Gater	1929
	Ground pools, ditches, cesspools, sewage filled drains and artificial containers; bites man indoors and outdoors at night; 242°	Delfinado	1966
	Collections of water near houses; ---; 242	Bohart	1945
	Borrow pits; ---; 242	Bick	1949
	---; experimental transmission of "Dengue" fever, April, May, July-Sept.; 242	Simmons et al.	1931
	Artificial containers, ground pools; enters houses, April -August; 257°	Bohart & Ingram	1946

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>CULEX</i> <i>raptor</i> Edwards	---; ---; 59, 70, 143, 144 (Natural pools, shallow wells, artificial containers)	Barraud	1934
	---; May, Jul.-Oct.; 143	Barraud	1924 b
<i>reidi</i> Colless	Lower axils of nipa palms; ---; 190. Shaded pools of fresh or slightly brackish water; ---; 242°. ---; ---; 280	Delfinado	1966
<i>rubensis</i> Sasa & Takahashi	Slow, fresh water with vegetation; Aug.; 158	La Casse & Yamaguti	1950
<i>rubithoracis</i> Leicester	---; ---; 59, 76, 143, 145, 190, 277 (Ponds)	Barraud	1934
	---; ---; 70	Carter	1950 a
	---; ---; 77, 158	Hsiao & Bohart	1946
	Swampy ground; ---; 139	Mattingly	1949 a
	---; ---; 146, 149	Brug & Edwards	1931
	Fresh clean ground water, natural ponds, rice paddies, irrigation or drainage ditches and margins of slowly moving streams; ---; 158. Clear grassy pools and forage paddies; enter houses, attracted by light; 242	Delfinado	1966
	---; enter houses, Aug.; 158	Mitamura & Kitaoka	1950
	---; enters houses; 277	Barraud & Christophers	1931
	Clean water, hyacinth ponds; ---; 280	Colless	1957 a
<i>ryukyensis</i> Bohart	Artificial containers, cut bamboo stumps, shaded, clean or foul water; ---; 158	La Casse & Yamaguti	1950
	Artificial containers along streams, rock holes; damp rocks along streams; 257	Bohart & Ingram	1946
<i>salisburyensis</i> Theobald	---; ---; 332	Stone et al.	1959
<i>seniori</i> Barraud	---; ---; 143	Barraud	1934
<i>sergenti</i> Theobald	---; ---; 317	Irfan & Vogel	1927 +
	---; ---; 354	Martini	1928 +

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>CULEX</i>			
<i>shakujiiensis</i> Ogasawara	---; ---; 158	Ogasawara	1939
<i>shebbearei</i> Barraud	---; ---; 59, 139, 143 (Bamboo stumps)	Hsiao	1945
	Tree holes; ---; 70	Wijesundara	1942
	Tree holes, bamboo stumps; ---; 76. ---; ---; 144	Bohart	1946
	---; June-Aug.; 76	Wu	1936
	Tree holes; Sept.; 143	Barraud	1924 d
	Large pitcher plant; ---; 145	Barraud	1934
<i>sibiricus</i> Kiseleva	---; ---; 256	Kiseleva	1936
<i>simplicicornis</i> Edwards	---; ---; 145	Edwards	1932 +
<i>sinaiticus</i> Kirkpatrick	---; ---; 2, 270 (Permanent water with little or no vegetation, ditches, ponds, wells)	Edwards	1941
	---; ---; 154, 158	Stone	1961
	---; ---; 233, 332	Stone et al.	1959
<i>sinensis</i> Theobald	---; ---; 11. ---; Jan., July-Aug., Oct.-Dec.; 143	Barraud	1924 b
	---; ---; 59, 70, 77, 143, 158, 168, 190, 242, 257, 277, 294, 337 (Rice fields and large weedy pools, bites man in houses at night)	Delfinado	1966
	Rice fields, large weedy pools; ---; 76	Chang	1939
	---; enters houses at night to bite, hilly regions; 76°. ---; ---; 76, 158, 257 (Rice fields, large weedy pools, hilly stream bed pools). Rice fields; damp rocks in woods, enters houses at night to bite; 257°	Bohart & Ingram	1946
	Rice fields; ---; 77	Chow	1950
	Rice fields; ---; 143	Fletcher	1924
	---; ---; 145	Edwards	1924 +
	---; ---; 146, 149	Brug & Edwards	1931
	Rice fields, weedy ponds, pools in streams; in houses; 158°, 256°	Hsiao & Bohart	1946
	Fresh ground water; ---; 158	La Casse & Yamaguti	1950
	---; naturally infected with <i>Filaria bancrofti</i> ; 158	Yamada & Komori	1927

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>CULEX</i>	---; ---; 158*	Manson-Bahr	1959
<i>sinensis</i>			
Theobald (cont.)	Por's, pools; poor intermediate host of filaria, rare; 168°	Hsiao	1948
	Stream bed pool in hilly country; enters houses, bites man at night; 168	Barnett & Toshioka	1951
	Rice fields, large weedy pools; ---; 242	Bohart	1945
<i>sitiens</i>	Inland salt or alkaline area; ---; 2, 270	Edwards	1941
Wiedemann	---; ---; 25, 242, 257 (Fresh and brackish water, bites man). Ground pool with algae, hot spring, bamboo stumps, fox holes near beach; ---; 242	Delfinado	1966
	Swamps and natural pools; Sept.; 70°	James	1914
	Brackish water in swamps; ---; 70	Lee	1944
	---; naturally infected with <i>Wuchereria malayi</i> ; 70. ---; naturally infected with <i>W. bancrofti</i> ; 191	Carter	1948
	Rice fields, stagnant swamps; in houses, Dec.; 76	Riley	1932
	Brackish pools; ---; 76, 158	Bohart	1946
	---; ---; 76 (Enters houses, bites at night). ---; ---; 139, 146 (Brackish pools, enters houses, bites at night)	Hsiao	1945
	---; ---; 77	Faust	1926 a
	Ground pools, rice fields, marshes; common; 143	Roy & Brown	1954
	Brackish water; Dec.; 143	Barraud	1924 e
	---; naturally infected with <i>W. bancrofti</i> ; 143	Raghavan	1961
	---; surroundings of harbour, Aug.; 143	Barraud	1924 b
	---; enters houses; 143	Iyengar	1933 a
	---; June; 143°	Senior-White	1934
	Brackish water; in villages near sea; 144	Borel	1930 a
	Irrigation channels; ---; 144	Cruickshank & Wright	1914
	Salt water; ---; 145	Edwards	1924 +
	---; ---; 146, 190	Brug & Edwards	1931
	---; ---; 149. Brackish water and ponds; vegetation in woods; 257. Highly polluted water; ---; 277	Bohart & Ingram	1946

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>CULEX</i> <i>sitiens</i> Wiedemann (cont.)	---; bites man at night; 168°	Barnett & Toshioka	1951
	Salt water; ---; 190	Edwards	1924 +
	Drains; ---; 190	Milne	1933
	---; sand banks; 190	Strahan & Norris	1934
	Fresh and brackish water; ---; 242	Bohart	1945
	Sunny polluted water; ---; 277	Causey	1937
	---; enters houses; 277	Barraud & Christophers	1931
	Tidal marsh, obstructed drains, artificial containers, sometimes in brackish water; ---; 280	Colless	1957 a
<i>spathifurca</i> (Edwards)	---; ---; 70, 145, 146, 190, 191, 242, 277	Delfinado	1966
	---; ---; 149	Brug & Edwards	1931
	Brackish water, swamps, pools, canals, rice fields, artificial containers; ---; 277	Causey	1937
	Depressions shielded by thick bushes and tall grasses and fern, artificial containers; ---; 280	Colless	1957 a
<i>squamosus</i> Taylor	Slow moving rivulet, swamp, canal; ---; 147	Brug	1934 +
<i>stylifurcatus</i> Carter & Wijesundara	---; ---; 70	Carter	1950 a
<i>sumatranus</i> Brug	Pitcher plants; ---; 76	Bohart	1946
	---; ---; 139	Hsiao	1945
	Pitcher plant in swamp; ---; 149	Brug	1931 c
<i>summarosus</i> Dyar	---; naturally infected with <i>Wuchereria bancrofti</i> ; 242	Rozeboom & Cabrera	1964
<i>tenuipalpis</i> Barraud	Roadside pool; at high altitudes, October; 143	Barraud	1924 e
	Spring pool, pond; ---; 143, 146	Brug	1931 a
<i>termi</i> Thurman	Elephant tracks in marsh with highly polluted water along edges of streams; ---; 277	Thurman	1955
<i>territans</i> Walker	---; ---; 256, 317	Stone et al.	1959

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>CULEX</i>			
<i>thalassius</i> Theobald	---; ---; 302	Stone et al.	1961
<i>theileri</i> Theobald	---; ---; 28, 35, 118, 143, 150, 256, 303, 318, 321, 345, 350 (Reservoirs with vegetation, enters houses, bites man)	Shtakelberg	1937
	Large stream pools; ---; 31. Large open pools; ---; 143	Barraud	1924 e
	---; ---; 59, 150, 151, 235 (Large ground pools, stream pools and marshes)	Barraud	1934
	Rice fields, pool, rock holes, artificial containers with polluted water; ---; 76	Galliard	1939
	Semi-permanent ground pools; ---; 76. ---; ---; 144	Bohart	1946
	---; March-May, Aug., at 4000-6000 feet; 143. ---; at 7000 feet, Oct.; 235. ---; ---; 302, 342	Barraud	1924 b
	---; ---; 143, 150, 166, 303, 318, 321, 326, 345, 350 (Stagnant reservoirs, canals with vegetation)	Monchadskii	1936
	Bogs and swamps; ---; 150	Gutzevich	1948 +
	---; ---; 270 (Ditches, ponds, wells, pools with or without vegetation)	Edwards	1941
	---; ---; 317	Anonymous	1944
<i>tigripes</i> Grandpre & Charmoy	---; ---; 2, 270 (Ditches, ponds, wells, shaded forest pools with or without vegetation, artificial containers)	Edwards	1941
	---; ---; 242	Bezzi	1913
<i>tipuliformis</i> Theobald	---; ---; 31	Bedford	1920
	---; ---; 35, 150, 317	Edwards	1921 +
	---; ---; 76, 158. Small weedy rock pools; at high altitudes; 143	Barraud	1924 e
	---; ---; 118	Kandelaki	1927
	---; ---; 139, 256. ---; experimentally infected with <i>Wuchereria bancrofti</i> ; 158	Yamada	1928
	---; 5000 feet, March, winter months; 143. ---; Oct.; 235	Barraud	1924 b
	River bank pools; Jan.; 151	Barraud	1920

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>CULEX</i>			
<i>tipuliformis</i>	Wells; ---; 151	Christophers & Shortt	1921 b
Theobald (cont.)	Aqueduct with slimy filamentous algae, open drain; May-June; 154	Buxton	1924 a
	Marshes, stream pools; ---; 154, 302	Barraud	1921
	---; naturally infected with <i>Wuchereria bancrofti</i> ; 158*	Manson-Bahr	1959
	---; naturally infected with <i>W. bancrofti</i> ; 158	Yamada & Komori	1927
	---; ---; 321	Rybinsky	1933
	---; ---; 342	Anonymous	1914 c
	---; ---; 345	Shingarev	1926
	---; ---; 350	Galliard	1927
	---; ---; 354	Séguy	1924
<i>torrentium</i>	Clear waters, between grasses, wells, flood puddles; May-Sept.; 256. ---; ---; 317	Martini	1931
Martini	Streams with vegetation; ---; 256	Martini	1928 +
	---; ---; 321	Rybinsky	1933
<i>tricontus</i>	---; ---; 242	Delfinado	1966
Delfinado			
<i>trifidus</i>	---; ---; 146	Edwards	1926 +
Edwards			
<i>tritaeniorhynchus</i>	Sunlit, shallow water, rice fields, Aug.-Sept.; 35	Trofimov	1936
Giles	Rice field, river bed; ---; 70	Senior-White	1920 a
	---; May-Nov., naturally infected with <i>Wuchereria</i> <i>malayi</i> ; 70	Carter	1948
	Pools, rice fields containing decaying vegetation, bomb craters; bites at night; 76°	Tseng & Wu	1951
	Semi-permanent ground pools; naturally and experimentally infected with <i>W. bancrofti</i> , natural carrier of Japanese "B" encephalitis; 76	Bohart	1946
	Ponds, pools, ditches, rice fields; enters houses, possible vector of filariasis; 76, 194°	Hsiao	1946
	Marshes, creeks; ---; 76	Chang	1939

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>CULEX</i> <i>tritaeniorhynchus</i> Giles (cont.)	---; experimentally infected with <i>Wuchereria malayi</i> , common in July and August; 76. ---; ---; 149*°.	Hu	1940
	---; carrier of <i>W. malayi</i> ; 190		
	---; ---; 76, 143, 151, 158, 256, 342 (Reservoirs with fresh water, pits, rice fields, enters houses)	Shtakelberg	1937
	---; ---; 77	Edwards	1921 a
	---; ---; 139 (Ponds, ditches, rice fields, enters houses, bites frequently at night). ---; ---; 146, 194 (Ditches, rice fields, enters houses, bites at night)	Hsiao	1945
	---; enters houses, April, June-Dec.; 143	Senior-White	1934
	---; May; 143. ---; ---; 235	Barraud	1924 b
	---; ---; 143, 145, 158 (Ground pools, rice fields, marshes)	Barraud	1934
	Swamps, streams, artificial containers with or without vegetation; enters houses; 144	Borel	1926
	Ponds, wells; ---; 145, 146, 149	Brug	1931 a
	---; March; 149	Stanton	1915
	Rice fields, reservoirs, bogs and swamps, pits and ditches; ---; 150*	Gutzevich	1948 +
	---; ---; 150°, 158*, 256*	Gutzevich	1943
	---; ---; 151, 256, 342 (Swamps, clear water, rice fields)	Monchadskii	1936
	---; Oct.-Nov.; 151	Barraud	1920
	Marshes, clear water, foot prints; ---; 154°, 159°	Buxton	1924 a
	In floating debris; ---; 154	Austen	1921
	Ponds, ditches, rice fields, wells, artificial containers; enters houses, poor intermediate host of <i>W. bancrofti</i> , experimentally and naturally infected with Japanese "B" encephalitis; 158	Hsiao & Bohart	1946
	Drains, cesspools, slow streams; ---; 158°	Sasa & Sabin	1950
	---; experimentally infected with <i>W. bancrofti</i> ; 158*.	Bohart & Ingram	1946
	---; ---; 256*. Rice paddies, ground pools, clean or polluted water, wells, stream margins, rock pools, spring hole, artificial containers; enters houses after dusk, May-August; 257°		

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
CULEX <i>tritaeniorhynchus</i> Giles (cont.)	---; experimental transmission of West Nile virus; 158	Kitaoka	1950
	---; possible vector of Japanese "B" encephalitis; 158. Ponds, rice fields, ground pools, ditches, artificial containers; bites man at night, enters houses, probable vector of Japanese "B" encephalitis; 168°	Barnett & Toshioka	1951
	---; naturally infected with <i>Wuchereria bancrofti</i> ; 158	Yamada & Komori	1927
	---; June-Nov.; 158	Mitamura & Kitaoka	1950
	---; bites at night; 158°	La Casse & Yamaguti	1950
	---; poor intermediate host of <i>W. bancrofti</i> , experimentally and naturally infected with Japanese "B" encephalitis; 168	Hsiao	1948
	---; ---; 174, 345	Stone et al.	1959
	Swamps; enters houses; 190	Milne	1933
	---; all year; 190	Kingsbury	1933
	Ponds, pools, hill streams with filamentous larvae; ---; 194*	Anonymous	1946
	From ponds; ---; 194	Chin	1936
	Clear, muddy, stained, exposed ground pools, creek pot holes, swamps; ---; 242	Bick	1949
	Rice fields and salt marshes; ---; 242	Bohart	1945
	Stagnant water in river beds, artificial reservoirs exposed to sun; ---; 256	Petrishcheva	1948
	Pits and ditches with vegetation; ---; 256	Pavlovskii	1947 +
	---; ---; 256°	Chagin	1948
	---; naturally and experimentally infected with, experimental transmission and potential vector of Japanese "B" encephalitis virus; 280	Hale et al.	1959
	Obstructed drains, artificial containers, coconut shells, bamboo stumps; ---; 280	Colless	1957 a
	---; naturally infected with Japanese "B" encephalitis; 294	Sabin	1950
	Artificial containers; ---; 302	Parr	1943 +

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>CULEX</i>	---; ---; 317	Anonymous	1944
<i>tritaeniorhynchus</i>			
Giles	Footprints with clear water, marshes; ---; 342	Kirkpatrick	1925 +
(cont.)	---; enter houses to bite; 350°	Martini	1931
<i>tritaeniorhynchus</i>	Stagnant, dirty ground water; ---; 147	Lee	1944
var. <i>siamensis</i>			
Barraud	Rice fields; enters houses; 277	Barraud & Christophers	1931
	Ground pools; ---; 277	Causey	1937
	---; ---; 337	Brug	1939
<i>tritaeniorhynchus</i>	---; ---; 76, 77, 143, 144, 158, 168, 190, 194, 242, 257, 277, 337 (Ground pools, rice paddies, stream margins and rock pools, enters houses, bite man). Streams, ground pools; common; 242	Delfinado	1966
<i>summosus</i>			
Dyar	Nyacinth ponds and ponds with <i>Pistia</i> and other small aquatic plants; ---; 280	Colless	1957 a
<i>tuberis</i>	Rock holes, seepage pools; ---; 257	Bohart & Ingram	1946
Bohart			
<i>uncinatus</i>	---; ---; 242	Delfinado	1966
Delfinado			
<i>uniformis</i>	---; ---; 11. Tree holes, bamboo stumps, water in fallen tree; July-Oct.; 143	Barraud	1924 d
Theobald			
	Tree holes and bamboo stumps; ---; 70	Wijesundara	1942
	---; ---; 70 (Tree holes and rock holes). ---; ---; 143 (Rock pools)	Barraud	1934
	Bamboo stumps; ---; 76	Chow	1949 c
	---; ---; 133, 242 (Bamboo stumps, tree and rock pools in jungle). Rock and tree holes; ---; 242	Delfinado	1966
<i>univittatus</i>	---; ---; 143, 235 (Marshy pools, borrow pits, stagnant drains and canals, shallow well, less frequently in artificial containers and rice fields)	Barraud	1934
Theobald			
	---; ---; 143, 233, 350 (Water holes, ditches, canals, wells, artificial containers, enters houses at night to bite)	Martini	1931
	Bogs and swamps; ---; 150	Gutzevich	1948 +
	Marshes, stream pools; ---; 154, 174	Barraud	1921

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>CULEX</i>	Slow running streams with vegetation; Oct.-Nov.; 174, 302	Parr	1943 +
<i>univittatus</i>			
Theobald	---	Senior-White	1922
(cont.)	---; ---; 280		
	---; ---; 303	Keshish'yan	1941
<i>vagans</i>	---; ---; 59, 144. Semi-permanent ground pools; experimentally infected with <i>Wuchereria bancrofti</i> ;	Bohart	1946
Wiedemann	76		
	Lakes, pools, water pools in hilly streams containing filamentous algae; ---; 76, 194	Hsiao	1946
	Ground pools, marshes; ---; 76	Chang	1939
	---; naturally infected with <i>W. bancrofti</i> ; 76, 143	Manson-Bahr	1959
	Irrigation channels; March-April; 143	Senior-White	1928 a
	---; ---; 143, 235, 256 (Ground pools, marshes, pools in stream beds)	Barraud	1934
	Lakes, ponds, pools with filamentous algae; bites at night, suitable host of <i>W. bancrofti</i> ; 158°	Hsiao & Bohart	1946
	Fresh water ground pool; ---; 158	La Casse & Yamaguti	1950
	Ground pools, ponds, lakes, clear water; bites man at night, possible vector of filariasis; 168	Barnett & Toshioka	1951
	Pools with filamentous algae; intermediate host of <i>W. bancrofti</i> ; 168°	Hsiao	1948
	Lakes; enters houses, Sept.; 194	Chin	1936
	Hill lakes, pools, hill country streams with filamentous algae; ---; 194	Anonymous	1946
	---; ---; 242	Bezzi	1913
	Ditches, temporary pools in fields; enters houses; 256	Pavlovskii	1947 +
<i>virgatipes</i>	Rice fields, shaded water, well; ---; 76. ---; ---; 139	Riley	1932
Edwards			
	Open drains, trenches; ---; 76	Lamborn	1922
	---; ---; 143, 158	Edwards	1922 c
	---; ---; 235	Edwards	1914 a
	---; ---; 256	Edwards	1921 +

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>CULEX</i> <i>viridiventer</i> Giles	Artificial containers in shade, ravine pools; ---; 70	Senior-White	1920
	---; ---; 143, 218, 235 (Tree holes and garden water tanks)	Barraud	1934
	Water butts; Jan., March, April, Aug., Dec., at high altitudes; 143. ---; Sept.-Oct., at high altitudes; 235	Barraud	1924 d
	Tree holes and bamboo stalks; ---; 144	Borel	1926
<i>vishnui</i> Theobald	---; ---; 59, 70, 143, 235 (Ground pools, rice fields, salt marshes)	Barraud	1934
	In swamps and natural pools; Sept.; 70°	James	1914
	Tree holes; ---; 70	Wijesundara	1942
	Rice field; ---; 70	Senior-White	1925
	Ground pools, rice fields, creeks; ---; 76	Chang	1939
	Ditches, streams, pools; ---; 76	Chow	1949 c
	Semi-permanent ground pools; ---; 76	Bohart	1946
	Open marshes, swamps; ---; 76	Feng	1935 a
	Ponds; ---; 76	Hu	1937
	---; bites man at night; 76°	Feng	1938
	Pools, rice fields; common; 77	Chow	1950
	---; ---; 139	Anonymous	1915
	Tanks, temporary rain pools, irrigation channels; March-May; 143	Senior-White	1928 a
	Swamps; enters houses, June-Dec.; 143	Senior-White	1934
	Ground pools, rice fields, salt marshes; ---; 143. ---; ---; 151, 158. Rice paddy; vegetation in woods; 257. ---; experimentally infected with <i>Wuchereria bancrofti</i> ; 337*	Bohart & Ingram	1946
	Wells containing brackish water; ---; 143	Jaswant Singh	1933
	---; naturally and experimentally infected with <i>W. bancrofti</i> , naturally infected with <i>W. malayi</i> ; 143	Raghavan	1961
	Streams with vegetation; ---; 144	Borel	1930 a
	---; enters houses, rare; 144°	Galliard	1936 a
	---; ---; 145*	Manson-Bahr	1959

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>CULEX</i> <i>vishnui</i> Theobald (cont.)	---; naturally infected with <i>Wuchereria bancrofti</i> ; 145. ---; ---; 145, 146, 147, 149 (Lakes, river backwaters, small streams, drainage ditches, flood pools, rice fields, lagoons, occasionally in brackish water, bites man at night)	Farner	1943
	Between plants on shores, ponds; ---; 145, 146, 147, 149	Brug	1931 a
	---; ---; 150	Stone et al.	1959
	Stagnant reservoirs with vegetation, slow flowing streams; ---; 151, 158	Monchadskii	1936
	Ponds, rice paddies, borrow pits, clean water with algae; June-Sept.; 158	La Casse & Yamaguti	1950
	Drains; ---; 158°	Sasa & Sabin	1950
	Ponds, pools,; bites at night, rare; 168°	Hsiao	1948
	Ground pools, ditches, rice paddies, irrigation banks; ---; 168	Barnett & Toshioka	1951
	Pools, swamps, pitcher plants, traveller's palms; enters houses; 190°	Milne	1933
	---; all year; 190	Kingsbury	1933
	---; ---; 190°	Gater	1933 b
	Ground pools, rice fields, salt marshes; ---; 242	Bohart	1945
	Water covered with <i>Lemna</i> ; ---; 277	Causey	1937
	---; enters houses; 277	Barraud & Christophers	1931
<i>vorax</i> Edwards	---; at 4000 feet elevation; 59. ---, at 6000 feet elevation, Jan., Aug.-Oct.; 143	Barraud	1924 b
	Tree holes, bamboos; ---; 70	Wijesundara	1942
	Artificial containers, polluted ground water; experimentally infected with <i>Wuchereria bancrofti</i> ; 76. ---; ---; 144	Bohart	1946
	Sewage water, septic tanks and water containers in the gardens; ---; 76	Feng	1935 a
	Old manure pit containing stagnant water; ---; 76	Crook	1939
	Sewage canals; ---; 76	Hsiao	1945
	Natural pools; ---; 76	Chow	1949 c
	Mountain pools; ---; 77	Chow	1950

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>CULEX</i> <i>vorax</i> Edwards (cont.)	---; ---; 139, 143, 158 (Natural pools, shallow wells, artificial collections of water). ---; common during rains; 143	Barraud	1934
	Water high in organic matter, sunny artificial containers, predaceous; ---; 158°	La Casse & Yamaguti	1950
	Ground pools; ---; 158. ---; ---; 190	Hsiao & Bohart	1946
	Cess pits; ---; 158	Lamborn	1922 +
	Artificial containers, ground pools, tanks; rarely bites man; 168°	Barnett & Toshioka	1951
	---; ---; 256	Stone et al.	1959
	Artificial containers, ground pools, rock holes; damp rocks, low growing vegetation; 257°	Bohart & Ingram	1946
<i>whitei</i> Barraud	Pools; ---; 143	Barraud	1923 c
	---; June, Aug., Nov.; 143	Barraud	1924 b
	---; ---; 143 (Ground pools, rice fields)	Barraud	1934
	Rice fields; ---; 277	Barraud & Christophers	1931
<i>whitmorei</i> (Giles)	---; ---; 59, 70	Barraud	1934
	Pools in stream beds with vegetation; ---; 76	Chang	1939
	Semi-permanent ground pools; ---; 76	Bohart	1946
	Rice fields; ---; 76	Chow	1949 c
	---; bites in early evening; 76°	Feng	1938
	---; June-July; 76	Wu	1936
	---; ---; 76, 158, 168, 242, 294 (Ground water, rice paddies, pools and margins of slow moving streams, enters houses and bites at night). Rice fields; ---; 242	Delfinado	1966
	Rice fields; ---; 77	Chow	1950
	---; ---; 139. ---; experimentally infected with <i>Wuchereria bancrofti</i> ; 145	Hsiao	1945
	Submerged grasslands; ---; 143	Lee	1944
	Ground pools; ---; 143	Roy & Brown	1954

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>CULEX</i>	---; April, June-Dec.; 143	Senior-White	1934
<i>whitmorei</i>	---		
(Giles)	---; rarely bites; 144°	Galliard	1938
(cont.)	---; ---; 145*, 158*	Manson-Bahr	1959
	---; ---; 146, 149, 190	Brug & Edwards	1931
	Clear fresh water pools with decaying vegetation; bites man in early evening, suitable, intermediate host of <i>Wuchereria bancrofti</i> ; 158°	Hsiao & Bohart	1946
	Rice paddies, margins of slow moving streams; ---; 158	La Casse & Yamaguti	1950
	---; experimentally infected with <i>W. bancrofti</i> ; 158	Yamada	1928
	---; naturally infected with <i>W. bancrofti</i> ; 158	Yamada & Komori	1927
	Clear fresh water pool with sandy bottom containing much decayed vegetable matter; bites vigorously in the evening, experimentally suitable intermediate host of <i>W. bancrofti</i> ; 168°	Hsiao	1948
	Rice paddies, streams; enter houses, bites man at night, possible vector of filariasis; 168	Barnett & Toshioka	1951
	Ground pools; ---; 242	Bohart	1945
	---; enters houses, Feb.-March; 242°	Rozeboom & Cabrera	1964
	---; ---; 256	Stone et al.	1959
	---; ---; 277	Causey	1937
<i>yaoi</i>	---; ---; 76	Stone et al.	1959
Tung			
<i>yeageri</i>	Forest streams; ---; 242	Delfinado	1966
Baisas			
<i>CULICIOMYIA</i>	---; ---; 70	Senior-White	1927
<i>pallidothorax</i>	---; ---; 139	Anonymous	1915
Theobald	---; naturally infected with <i>Wuchereria malayi</i> ; 143	Raghavan	1961
<i>CULISETA</i>	---; ---; 162	Martini	1930
<i>alaskaensis</i>	Small standing reservoirs; ---; 256	Pavlovskii	1947 +
(Ludlow)			
<i>alaskaensis</i>	---; ---; 162, 256, 326	Shtakelberg	1937
<i>vasilievi</i>			
(Shingarev)			

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>CULISETA</i>	Wells with high salt content; ---; 35	Achundow	1935
<i>annulata</i>	Artificial containers with stagnant water and decomposing organic matter; ---; 118	Roukhadze	1929
Schrank	---; bites man; 118°	Roukhadze	1926 b
	---; ---; 150	Gutzevich	1943
	---; Feb.; 151	Barraud	1920
	---; May-June; 154	Buxton	1924 a
	---; ---; 159	Barraud	1921
	---; ---; 162, 256, 321, 345 (Pools and shaded reservoirs)	Monchadskii	1936
	---; Aug.-Nov.; 174. Swamps, seepage pools, artificial containers; Jan.-Dec.; 302	Parr	1943 +
	In reservoirs and marshes; ---; 256	Shtakelberg	1937
	---; March; 317	Martini	1930
	---; ---; 318	Gutzevich	1948 +
	---; enters houses; 321	Rybinsky	1933
	---; ---; 342	Galliard	1927
<i>annulata</i>	---; ---; 150, 151, 166, 303, 326, 342 (Alkaline and shaded reservoirs)	Monchadskii	1936
<i>subochrea</i>	Pools with vegetation; ---; 150, 151, 326, 342	Shtakelberg	1937
(Edwards)			
<i>borealis</i>	Shallow water, ditches, woody and bushy areas; ---; 256	Pavlovskii	1947 +
Schingarev			
<i>bergrothi</i>	---; ---; 256	Stone et al.	1959
(Edwards)			
<i>fumipennis</i>	Reservoirs with grassy vegetation; ---; 256, 321	Shtakelberg	1937
(Stephens)	---; ---; 317	Anonymous	1944
	Shallow reservoirs with grassy vegetation; ---; 345	Monchadskii	1936
<i>glaphyoptera</i>	Stagnant reservoirs, shaded springs with cool water; ---; 256	Shtakelberg	1937
(Schiner)			
	Rock holes in stream beds; ---; 317	Irfan & Vogel	1927 +
	---; ---; 321	Rybinsky	1933

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>CULISETA</i> <i>kanayamensis</i> (Yamada)	Ground pool with decaying vegetation; bites by night; 158° ---; ---; 158°	La Casse & Yamaguti	1950
<i>longiareolata</i> Macquart	---; ---; 35 ---; ---; 143 ---; ---; 151 ---; ---; 302 ---; ---; 342	Hsiao & Bohart Achundow Edwards Kirkpatrick Anonymous Anonymous	1946 1935 1932 + 1925 + 1944 1944 c
<i>morsitans</i> (Theobald)	Small pits in marsh; April; 154 Rock quarry pools; ---; 154 Stagnant reservoirs with vegetation; ---; 256, 321, 345 (Bites man) ---; ---; 317 ---; active August, September; 321 ---; ---; 342	Buxton Barraud Shtakelberg Martini Rybinsky Theodor	1924 a 1921 1937 1930 1933 1924
<i>nipponica</i> La Casse & Yamaguti	Clear ground pool with decaying vegetation; Aug.; 158	La Casse & Yamaguti	1950
<i>niveitaeniata</i> (Theobald)	---; ---; 76° ---; ---; 76, 143 (Hill stream bed pools) ---; Feb.-March, Dec.; 143. ---; May; 235	Bohart Hsiao Barraud	1946 1945 1924 d
<i>ochroptera</i> (Peus)	---; - -; 173, 321 Grassy areas; ---; 256	Stone et al. Pavlovskii	1959 1947 +
<i>richardii</i> (Ficalbi)	---; ---; 342	Anonymous	1944 c
<i>setivalva</i> (Monchadskii)	Marshes; ---; 31, 321 (Bites man) ---; ---; 256, 317 ---; ---; 318	Shtakelberg Stone et al. Gutzevich	1937 1959 1948 +
<i>siberiensis</i> Ludlow	---; July; 256	Ludlow	1919
<i>silvestris</i> (Shingarev)	---; ---; 256	Stone et al.	1959

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>CULISETA</i>	---; ---; 150, 151, 162, 342	Martini	1930
<i>subochrea</i>	---	Séguy	1924
(Edwards)	Swamps; ---; 302	Parr	1943 +
	Deep shafts or shaded ditches; ---; 326	Kazantzev	1932
<i>FICALBIA</i>			
<i>aurea</i>	---; ---; 143, 145, 190, 277, 280	Stone et al.	1959
(Leicester)			
<i>chamberlaini</i>	---; ---; 59, 70 (Pools and ponds with vegetation)	Barraud	1934
(Ludlow)	Weedy pools; ---; 143, 235	Barraud	1923 b
	---; among brush wood in cold weater, July, Dec.; 143	Barraud	1929
	---; ---; 144, 145, 146, 149, 277 (Irrigation ditches with algae and vegetation, along river banks, in fish ponds and water tank)	Delfinado	1966
	Well vegetated pools and ponds; ---; 242	Bohart	1945
<i>chamberlaini</i>			
var. <i>intermedia</i>	---; ---; 59, 70, 143, 242	Barraud	1929
(Barraud)			
<i>chamberlaini</i>			
<i>clavipalpus</i>	---; ---; 70, 143, 235	Stone et al.	1959
(Theobald)			
<i>chamberlaini</i>			
<i>metallica</i>	---; ---; 77, 144, 146, 149, 190, 242, 277, 280	Stone et al.	1959
(Leicester)			
<i>deguzmanae</i>	Tree holes and bamboo stumps; mainly at high altitudes; 242	Delfinado	1966
Mattingly			
<i>elegans</i>	Hoof prints at edge of swamp, fresh water holes; ---; 149	Lee	1944
(Taylor)	---; ---; 190, 242, 277 (Cattle hoof prints with decaying vegetation at edge of swamps, fresh water holes and dams)	Delfinado	1966
<i>fusca</i>	---; ---; 11, 190 (Forest tree holes at ground level)	Barraud	1934
(Leicester)	---; ---; 77	Stone et al.	1959
	Forest tree holes at ground level; ---; 280	Edwards & Given	1928

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>FICALBIA hybrida</i> (Leicester)	Ground pools with <i>Pistia</i> ; ---; 70, 143, 144, 145, 146, 149, 190, 242, 277	Delfinado	1966
	---; April, Aug.-Jan., enters houses; 143	Senior-White	1934
	---; ---; 235	Barraud	1924
	---; ---; 280	Barraud	1929
<i>jacksoni</i> Mattingly	---; ---; 76	Stone et al.	1959
	Grassy hill-side swamp; ---; 139	Mattingly	1949
<i>ludlowae</i> Brunetti	Hollow bamboo stalks; ---; 144, 242	Borel	1930 a
<i>luzonensis</i> (Ludlow)	---; ---; 59. ---; Sept.; 143	Senior-White	1934
	Rice fields; ---; 70	Senior-White	1925
	---; ---; 70, 77, 139, 143, 144, 145, 146, 190, 242, 257, 277 (Artificial containers, roadside ditches, sago palm trough)	Delfinado	1966
	Weedy ponds or swamps; ---; 76	Bohart	1946
	---; ---; 77, 139, 143, 144, 149, 190, 242, 277 (Weedy ponds in swamps)	Hsiao	1945
	---; Jan.; 242	Dyar & Shannon	1925
	---; dense banana grove, low growing vegetation; 257. ---; attracted to lights, Oct.-Dec.; 277	Bohart & Ingram	1946
	Rice fields; ---; 277	Barraud & Christophers	1931
	Obstructed drains; ---; 280	Colless	1957 a
	Rice field; ---; 146, 149, 190	Brug	1931 a
	Swamps with vegetation, hoof prints; ---; 190	Lee	1944
<i>metallica</i> (Leicester)	Hyacinth ponds; ---; 280	Colless	1957 a
	---; ---; 70, 144, 145, 146, 190	Stone et al.	1959
	Weedy ponds or swamps; ---; 76	Bohart	1946
	---; ---; 139	Hsiao	1945
	---; in jungle; 143. ---; ---; 235, 242	Barraud	1929
	Vegetated ditch; ---; 277	Causey	1937
	Very clean water, hyacinth ponds; ---; 280	Colless	1957 a
<i>minima</i> (Theobald)			

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>GRABHAMIA</i> <i>broquetii</i> Theobald	---; ---; 76, 77	Stone et al.	1959
<i>HAEMAGOGUS</i> <i>discrepans</i> (Edwards)	Bamboos; ---; 143	Barraud	1934
	---; in jungle; 143	Edwards	1922 b
<i>tripunctata</i> Theobald	---; jungle; 143	Barraud	1929 a
<i>HARPAGOMYIA</i> <i>coeruleovittata</i> Ludlow	---; ---; 242	Wharton	1947
<i>HEIZMANNIA</i> <i>achaetae</i> (Leicester)	---; ---; 190	Edwards	1928
	---; ---; 277	Causey	1937
<i>aurea</i> Brug	---; ---; 147	Stone et al.	1959
<i>aureochaeta</i> (Leicester)	---; ---; 190	Edwards	1928
	---; moist, densely shaded areas, feeds by day; 277°	Causey	1937
<i>chandi</i> Edwards	Tree holes; jungle; 143	Edwards	1922 b
<i>communis</i> (Leicester)	Hollow bamboo stalks; ---; 144	Borel	1930 a
	---; ---; 190	Edwards	1928
<i>complex</i> (Theobald)	---; ---; 59, 143	Barraud	1934
	Hollow bamboo stalks; ---; 144	Borel	1930 a
	---; in jungle, feeds by day; 277°	Causey	1937
<i>covelli</i> Barraud	---; ---; 11, 59 (Tree holes and bamboo stump)	Barraud	1934
	Tree holes; ---; 143	Barraud	1929 a
	---; in jungle, feeds by day; 277°	Causey	1937
<i>funerea</i> Leicester	---; ---; 143°. ---; jungle; 190	Barraud	1929 a
	---; ---; 143, 190 (Tree holes)	Barraud	1934
	Tree holes; ---; 280	Edwards & Given	1928

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>HEIZMANNIA</i>	Tree hole; ---; 70	Senior-White	1927
<i>greenii</i>	Bamboo stumps; ---; 76	Chow	1949
(Theobald)	Tree holes; ---; 76	Chow	1949 c
	---; ---; 143	Barraud	1929 a
	Hollow bamboo stalks; ---; 144	Borel	1930 a
	---; in jungle, bites by day; 277°	Causey	1937
<i>himalayensis</i>	Tree holes, bamboos; ---; 143	Barraud	1929 a
Edwards			
<i>indica</i>	---; ---; 31, 190	Edwards	1922 c
(Theobald)	Bamboos, tree holes; jungle; 143	Barraud	1929 a
	---; in jungle, feeds by day; 277°	Causey	1937
	Tree holes, bamboo stumps; ---; 280	Barraud	1934
<i>lii</i>	Bamboo stumps; ---; 76	Bohart	1946
Wu	---; Aug. and May; 76	Wu	1936
	---; ---; 168	Stone et al.	1959
<i>macdonaldi</i>	---; ---; 190	Stone et al.	1959
Mattingly			
<i>metallica</i>	Tree holes; ---; 143, 190	Barraud	1929 a
(Leicester)	---; ---; 146, 149	Brug & Edwards	1931
<i>pilosa</i>	Tree holes; virgin forest; 149	Brug	1931 c
Brug	Tree holes, coconut shells, bamboo stumps; ---; 280	Colless	1957 a
<i>reidi</i>	---; ---; 143, 190, 277	Stone et al.	1959
Mattingly			
<i>scintillans</i>	---; ---; 145, 149, 242°, 280 (Forest area, bamboo stumps and tree hole). Tree holes and bamboo stumps; bites man in forest area; 190°	Delfinado	1966
Ludlow	---; ---; 242	Edwards	1929
<i>stonei</i>	---; ---; 190, 277	Stone et al.	1959
Mattingly			
<i>viridis</i>	---; forests; 143	Barraud	1929 a
Barraud			

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>HODGESIA</i> <i>bailyi</i> Barraud	---; ---; 70 Small pool in swampy areas; ---; 143	Carter Barraud	1950 a 1934
<i>malayi</i> Leicester	---; ---; 70, 143, 144, 147, 190, 242 (Jungle pools among eroded roots and emergent tree trunks) ---; ---; 139 Small river, weedy lakes, near habitations; Dec.; 144 (Rare and troublesome) Jungle pools; ---; 242	Delfinado Anonymous Borel Bohart	1966 1915 1928 1945
<i>quasisanguinae</i> Leicester	---; ---; 145, 147, 190, 242 (Bites man in jungle)	Delfinado	1966
<i>LEICESTERIA</i> <i>dolichocephalus</i> (Leicester)	---; bites at night; 144°	Borel	1926
<i>LOPHOCERATOMYIA</i> <i>barkeri</i> (Theobald)	Jungle pools; ---; 190	Smart	1914
<i>minutissima</i> Theobald	Rock springs, ravines, river, coconut shells; ---; 70 Small, vegetation free, clear water, rock pools; ---; 144	Senior-White Borel	1920 a 1930 a
<i>LUTZIA</i> <i>fuscus</i> Wiedemann	Irrigation channels; Sept.; 143 ---; enters houses; 143 ---; bite viciously during the day, Nov., Dec.; 143° ---; naturally infected with <i>Wuchereria malayi</i> ; 143 ---; indoors, Aug.; 158 Natural collection of water, rice fields; in houses, in train near light; 277	Senior-White Iyengar Senior-White Raghavan Mitamura & Kitaoka Barraud & Christophers	1928 a 1933 a 1934 1961 1950 1931
<i>halifaxi</i> Theobald	---; ---; 145, 190	Edwards	1922 c
<i>vorax</i> (Edwards)	Pools in stone excavation, in bed of hill stream 1000-1500 feet altitude, artificial containers, in villages in the hills; ---; 76	Yang	1933 b

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>LUTZIA</i>	Ditches, barrel; ---; 76, 143, 158	Shtakelberg	1937
<i>vorax</i>	---; ---; 139	Edwards	1922 c
(Edwards)	---; ---; 144	Borel	1926
(cont.)	Cesspits with algal growth; ---; 158	Lamborn	1922
<i>MALAYA</i>	---; ---; 59, 139, 143, 144, 149, 190 (Pineapple plants)	Hsiao	1945
<i>genurostris</i>	---; ---; 59, 143, 190 (Water in leaf axils of large <i>Arum</i>)	Barraud	1934
Leicester	Water in the axils of a large species of <i>Arum</i> ; Sept.; 70, 235	Barraud	1926
	Water in pineapple leaves and other similar plants; ---; 70	James	1914
	Leaf axils in blossom; ---; 70, 146, 149, 190, 242	Brug	1931 a
	Leaf bases of banana, pineapple, <i>Colocasia</i> , local plant called "Tun-tun", stem of the plant; ---; 76	Chow	1949 c
	Leaf axils; ---; 76	Bohart	1946
	Leaf bases of <i>Colocasia</i> ; ---; 77	Chow	1950
	Leaf axils; May and Oct.; 143	Senior-White	1934
	---; Dec.; 143	Fletcher	1928
	In leaves of <i>Pandanus odoratissimus</i> and <i>Sanseveña latifolia</i> ; ---; 144	Borel	1930 a
	Leaf axils; ---; 257	Bohart & Ingram	1946
	Plant axils; ---; 280	Colless	1957 a
<i>jacobsoni</i>	Leaf bases of <i>Colocasia</i> ; ---; 77	Chow	1950
(Edwards)	---; ---; 143, 190 (Water in leaf bases of <i>Arum</i>)	Barraud	1934
	Leaf axils of <i>Arum</i> ; ---; 149	Wharton	1947
<i>splendens</i>	Leaf axils of <i>Colocasia</i> sp.; ---; 145. ---; ---; 146	Wharton	1947
(Meijero)			
<i>MANSONIA</i>	---; ---; 146. On water plants, prefer <i>Pistia</i> and <i>Lemna</i> ; ---; 149, 337	Bonne-Wepster	1930
<i>africana</i>			
(Theobald)			

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>MANSONIA</i>	On <i>Pistia</i> ; ---; 145	Bonne-Wepster	1930
<i>annulata</i>	---		
Leicester	---; swamp and forest regions; 145, 149, 190, 242 (Good host for semi-periodic <i>Wuchereria malayi</i>)	Delfinado	1966
	Aquatic plants; ---; 149	Farner	1943
	---; enters houses in the evening, more so in the rainy weather, start biting at 8:00 p.m., anthropophilic, naturally and experimentally infected with <i>Wuchereria malayi</i> ; 149°	Brug & de Rook	1930
	---; naturally and experimentally infected with <i>W. malayi</i> ; 149	Carter	1950
	---; experimentally infected with <i>W. malayi</i> ; 190	Wharton	1957
	---; carrier of <i>W. malayi</i> ; 190	Hodgkin	1939
	---; enters houses; 242°. ---; suspected vector of <i>W. m. layi</i> ; 337	Rohart	1945
	---; June; 242	Dyar & Shannon	1925
<i>annulifera</i> (Theobald)	Fresh water ponds, pools, backwaters, marshes, with <i>Pistia</i> and <i>Eichhornia</i> ; ---; 59°, 70°, 143°, 144°, 145°, 146°, 149°, 242°, 277°, 337*°	Farner et al.	1946 +
	---; common; 59, 70, 143, 366	Barraud	1934
	Tanks, ponds and marshes with dense growth, vegetation, especially <i>Pistia stratiotes</i> ; ---; 70*	Dassanayake & Chow	1954
	---; Jan., Apr.-Dec., naturally infected with <i>Wuchereria malayi</i> ; 70. ---; all year; 143. ---; experimentally infected with <i>W. malayi</i> ; 146, 190	Carter	1950
	---; natural vector of <i>W. malayi</i> , Jan., Feb., Apr.-Dec.; 70, 143, 277	Raghavan	1961
	Reservoirs and tanks densely covered with <i>Pistia</i> ; naturally infected with <i>W. malayi</i> ; 143	Sundar Rao	1936
	On leaves of <i>Pistia stratiotes</i> floating in water; ---; 143	Iyengar	1933 b
	---; enters houses, naturally infected with <i>W. bancrofti</i> ; 143	Iyengar	1933 a
	---; ---; 143*	Sundar Rao	1940
	---; ---; 143*, 190°, 280°	Delfinado	1966
	---; ---; 144	Galliard	1938

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
MANSONIA <i>annulifera</i> (Theobald) (cont.)	On <i>Pistia stratiotes</i> ; in houses, anthropophilic, experimentally infected with <i>microfilaria</i> , carrier of <i>Wuchereria malayi</i> ; 145	Kariadi	1938
	In association with water plants of the genera <i>Ipomoea</i> ; naturally infected with <i>W. malayi</i> ; 145	Wilcocks	1944 d
	On <i>Pistia stratiotes</i> ; ---; 146	Bonne-Wepster	1937
	---; carrier of <i>W. malayi</i> ; 146. ---; ---; 337	Roy & Brown	1954
	Ponds, swamps, overgrown with vegetation; ---; 149	Knight et al.	1944 +
	<i>Pistia</i> plants; ---; 149	Farner	1943
	---; enters houses; 149	Brug & de Rook	1930
	---; Mar. and June; 149	Stanton	1915
	Roots of <i>Pistia stratiotes</i> ; experimentally infected with <i>W. malayi</i> ; 190	Hodgkin	1938
	---; carrier of <i>W. malayi</i> ; 190	Hodgkin	1939
	---; all year; 190	Kingsbury	1933
	---; ---; 235	Barraud	1927
	Ponds and swamps containing <i>Pistia</i> ; ---; 242	Bohart	1945
	---; enters houses; 277	Barraud & Christophers	1931
	---; Dec.; 277	Causey	1937
	---; ---; 59	Barraud	1927
	---; infected with <i>Wuchereria bancrofti</i> ; 143	Feng	1933 a
	---; ---; 145, 190, 242	Edwards	1922 c
	---; ---; 146	Cooling	1924
	Jungle, swamps, standing water with waterplants; enters houses in the evening, more so during rainy weather, anthropophilic, naturally and experimentally infected with <i>W. malayi</i> ; 149°	Brug & de Rook	1930
<i>annulipes</i> Walker	---; March to June; 149	Stanton	1915
	---; in houses, attracted to light; 277	Barraud & Christophers	1931
<i>aureosquamata</i> (Ludlow)	---; ---; 149, 242	Bohart	1945

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>MANSONIA</i>	---; ---; 76	Hsiao	1945
<i>aurites</i> (Theobald)	---; ---; 242	Bezzi	1913
<i>bonneae</i> Edwards	---; ---; 145	Farner	1943
	---; naturally and experimentally infected with <i>Wuchereria malayi</i> ; 190	Wharton	1957
	---; attracted to light; 277	Barraud & Christophers	1931
	---; April; 277	Causey	1937
<i>buxtoni</i> (Edwards)	---; 154, 302	Stone et al.	1959
	---; marshes, bites viciously after sunset; 342°	Buxton	1924 a
<i>crassipes</i> (van der Wulp)	---; ---; 11, 235	Barraud	1927
	---; common; 59, 70, 143, 190	Barraud	1934
	Lakes with <i>Ipomoea</i> ; on grasses and shrubs, enters houses; 70. Lakes with vegetation; enters houses; 145	Carter	1950
	Weedy ponds; ---; 76°	Bohart	1946
	---; enters houses; 139	Hsiao	1945
	---; ---; 144	Borel	1930 a
	---; ---; 146, 149	Brug & Edwards	1931
	---; ---; 242	Bonart	1945
	---; ---; 277	Causey	1937
<i>dives</i> (Schiner)	---; ---; 133, 143, 144, 145, 190*, 242, 337* (Forest swamps among rootlets of trees, rattans and palms, bites in and outdoor)	Delfinado	1966
	---; in the woods by day and in dwellings by night, naturally infected with <i>Brugia malayi</i> and <i>Wuchereria bancrofti</i> ; 242	Cabrera & Rozeboom	1964
<i>giblini</i> (Taylor)	---; ---; 77	Stone et al.	1959
	---; ---; 145	Bonne-Wepster	1930 a
	---; ---; 147, 242	Bohart	1945
	---; ---; 149, 190	Brug & Edwards	1931
	---; ---; 277	Barraud & Christophers	1931

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>MANSONIA</i> <i>indiana</i> Edwards	---; ---; 59, 143 (Pools and swamps with vegetation)	Barraud	1934
	In tanks, ponds and marshes with dense vegetation, especially <i>Pistia stratiotes</i> ; ---; 70*	Dassanayake & Chow	1954
	Reservoirs and channel with <i>Pistia stratiotes</i> ; enters houses by day and night, naturally infected with <i>Wuchereria malayi</i> , Mar., Sept.-Dec.; 70. ---; experimentally infected with <i>W. malayi</i> ; 146. ---; naturally and experimentally infected with <i>W. malayi</i> ; 190	Carter	1950
	Aquatic plants, semi-aquatic grasses; ---; 143, 190	Lee	1944
	<i>Pistia</i> ponds with decaying coconut husk; enters houses at night; 143*	Iyengar	1938
	---; naturally and experimentally infected with <i>W. malayi</i>	Iyengar	1938
	---; delta regions; 144 (Possible vector of filariasis)	Galliard	1936
	On <i>Pistia</i> plants; experimentally infected with <i>W. bancrofti</i> ; 144°, 145°. <i>Pistia</i> plants; ---; 190°, 277°	Farner et al.	1946 +
	On water hyacinth <i>Eichhornia crassipes</i> ; ---; 144	Bonne-Wepster	1937
	---; experimentally infected with <i>W. bancrofti</i> ; 144	Galliard	1938
	---; in houses, rare; 144°	Galliard	1936 a
	In association with water plants, <i>Ipomoea</i> ; ---; 145	Wilcocks	1944 d
	In small lakes with <i>Eichhornia</i> ; ---; 145	Bonne-Wepster	1939
	On <i>Pistia</i> plants; ---; 146, 147, 149	Farner	1943
	---; carrier of <i>W. malayi</i> ; 146	Roy & Brown	1954
	---; ---; 146*, 242 (Strongly anthropophilic)	Bohart	1945
	---; enters houses; 277	Barraud & Christophers	1931
	---; naturally and experimentally infected with <i>W. malayi</i> ; 277	Raghavan	1961
	---; light traps, April and Dec.; 277	Causey	1937
	Ponds, attached to hyacinth plants; ---; 280	Colless	1957 a
<i>longipalpis</i> van der Wulp	---; ---; 59, 235	Barraud	1927
	---; ---; 143, 280	Barraud	1934

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>MANSONIA</i>	With <i>Pistia</i> plants; ---; 144, 190, 242	Farner et al.	1946 +
<i>longipalpis</i>	On aquatic plants; ---; 145°, 146°, 147°, 149°	Farner	1943
van der Wulp (cont.)	---; in houses; 145	Kariadi	1938
	---; ---; 146	Brug & Edwards	1931
	---; naturally and experimentally infected with <i>Wuchereria malayi</i> ; 149, 277	Raghavan	1961
	Attached to roots in several feet of water; swamp forests, naturally and experimentally infected and vector of <i>W. malayi</i> ; 190*	Wharton	1957
	Swampy jungle; ---; 190	Kingsbury	1939
	---; enters houses; 190*	Wharton	1952
	---; carrier and vector of <i>W. malayi</i> ; 190*	Hodgkin	1939
	---; ---; 242. ---; suspected vector of <i>W. malayi</i> ; 337	Bohart	1945
	---; enters houses; 277	Barraud & Christophers	1931
	---; April; 277	Causey	1937
<i>nikolskyi</i> Schingarev	---; ---; 162, 256	Martini	1930
<i>novochracea</i> (Barraud)	---; in jungle; 143	Barraud	1927
	---; ---; 149	Bonne-Wepster	1930 a
<i>ochracea</i> (Theobald)	Weedy ponds; ---; 76°	Bohart	1946
	---; ---; 76, 277	Barraud	1934
	---; ---; 77, 144, 145	Hsiao	1945
	---; Aug., Oct.; 143, 190, 242	Barraud	1927
	---; ---; 146, 149	Brug & Edwards	1931
	Vegetated stagnant ponds; ---; 158	La Casse & Yamaguti	1950
	---; ---; 280	Edwards	1928

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>MANSONIA richiardi</i> (Ficalbi)	Reservoirs with vegetation; ---; 35, 118, 162, 256, 318, 321, 326, 342	Shtakelberg	1937
	---; ---; 150	Gutzevich	1943
	---; ---; 302	Stone et al.	1959
	---; bites man in open; 303°	Blagovesh- chenskii et al.	1943
	---; ---; 317	Anonymous	1944
	---; most active May-June; 321	Rybinsky	1933
	---; ---; 321°	Reinhard & Gutzevich	1931
<i>septomguttata</i> Theobald	---; ---; 144	Cruickshank & Wright	1914
<i>uniformis</i> (Theobald)	---; bites day and night, in houses; 59°, 144°, 146°, 147°, 149°, 242°. ---; July-Sept., enters houses, outdoors, in bushes and weeds, active at night, during rainy season; 76. ---; ---; 77*. ---; experimentally infected with <i>Wuchereria bancrofti</i> ; 158	Farner et al.	1946 +
	Tanks, ponds, and marshes with dense aquatic vegetation; ---; 70*	Dassanayake & Chow	1954
	Weedy pond; carry <i>W. bancrofti</i> , suitable vector of <i>W. malayi</i> ; 76	Bohart	1946
	Aquatic plants; ---; 76	Chow	1949 c
	---; bites man day and night, enters houses when it rains, July-Aug.; 76°	Feng	1933
	---; experimentally infected and intermediate host of <i>W. malayi</i> ; 76	Feng	1935
	---; possible vector of <i>W. malayi</i> ; 76, 277	Raghavan	1961
	---; bushes and weeds, active at night during rainy season; 76	Tseng & Wu	1951
	---; ---; 139 (Ponds with vegetation, pools and marshes, anthropophilic, active during night, in rainy season). ---; intermediate host of <i>W. malayi</i> ; 337	Hsiao	1945
	In <i>Pistia</i> covered reservoirs; ---; 143	Sundar Rao	1940
	---; naturally and experimentally infected with <i>W. malayi</i> ; 143	Iyengar	1938

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
MANSONIA <i>uniformis</i> (Theobald) (cont.)	---; carrier of <i>Wuchereria malayi</i> ; 143°, 146	Roy & Brown	1954
	---; enters houses; 143	Iyengar	1933 a
	Associated with <i>Ipomea</i> ; naturally infected with <i>W. malayi</i> ; 145	Wilcocks	1944 d
	Swampy areas; experimentally infected with <i>W. malayi</i> ; 145	Kariadi	1941
	On <i>Eichhornia crassipes</i> ; in houses, anthropophilic, experimentally infected with microfilaria, carrier of <i>W. malayi</i> ; 145	Kariadi	1938
	On <i>Pistia</i> and <i>Eichhornia</i> ; ---; 146, 147, 149	Farner	1943
	---; naturally infected with <i>W. malayi</i> ; 146	Rodenwaldt	1934
	Swamps and pools overgrown with vegetation; ---; 147	Knight et al.	1944 +
	---; enters houses and seldom bites man; 149°	Brug & de Rock	1930
	---; Mar.; 149	Stanton	1915
	Swamps and pools with dense vegetation; - -; 158°	Hsiao & Bohart	1946
	Natural ponds and streams with vegetation; Aug.-Sept.; 158	La Casse & Yamaguti	1950
	---; ---; 158, 277 (Vicious bloodsuckers)	Bohart & Ingram	1946
	Ponds, slow moving streams with marginal vegetation; bites man at night, possible vector of filariasis and Japanese "B" encephalitis; 168°	Barnett & Toshioka	1951
	On water hyacinth and other vegetation; ---; 190*	Kingsbury	1938
	---; enter houses; 190*	Wharton	1952
	---; carrier of <i>W. malayi</i> ; 190	Hodgkin	1939
	---; naturally infected with <i>W. malayi</i> ; 190	Wharton	1957
	---; host of <i>W. malayi</i> ; 190. Open swamps and pools with thick vegetation and attach to a variety of plants; bite outdoors in late afternoon and early evening; 242°. ---; ---; 257	Delfinado	1966
	---; all year; 190	Kingsbury	1933
	---; ---; 235	Barraud	1927
	---; April and Dec.; 277	Causey	1937

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>MANSONIA</i> <i>uniformis</i> (Theobald) (cont.)	---; in houses, attracted to light; 277	Barraud & Christophers	1931
	Ponds, attached to hyacinth plants; ---; 280	Colless	1957 a
	Grassy swamp; ---; 280	Edwards	1928
	---; possibly an important vector of <i>Wuchereria malayi</i> ; 337	Bohart	1945
<i>MANSONIOIDES</i> <i>uniformis</i> (Theobald)	---; naturally infected with <i>Wuchereria malayi</i> ; 76, 143, 145, 277	Raghavan	1961
	<i>Pistia</i> ponds with decaying coconut husk; attracted to lights, enter houses at night; 143°	Iyengar	1938
	---; May, July-Nov.; 143	Senior-White	1934
	---; naturally infected with <i>W. bancrofti</i> ; 190	Manson-Bahr	1959
<i>MEGARHINUS</i> <i>edwardsi</i> (Barraud)	Tree holes; 7000 feet elevation, Aug.; 143	Barraud	1924 f
<i>gravelyi</i> (Edwards)	---; ---; 31	Edwards	1922 c
	Bamboo stumps; ---; 76	Chow	1949 c
<i>splendens</i> (Wiedemann)	Sandy lakes; rare; 76	Galliard & Ngu	1950
	Tree holes; ---; 76, 139	Chow	1949 c
	Tree holes, bamboo stumps; ---; 143. ---; ---; 235	Barraud	1929 a
	---; all year; 143	Senior-White	1934
	---; common in swampy regions; 149	Dammerman	1926
<i>towadensis</i> Matsumura	---; ---; 76	Faust	1926 a
	---; ---; 158, 242	Martini	1929
<i>MUCIDUS</i> <i>scataphagoides</i> Theobald	River; ---; 70	Senior-White	1927
	Temporary rain pools; Oct.; 143	Senior-White	1928 a
	---; July; 143	Fletcher	1924
	---; Aug.-Sept.; 143	Hodgson	1914
<i>MYZOMYIA</i> <i>ludlowii</i> (Theobald)	Fresh water and brackish water; ---; 242	Ludlow	1914
	---; experimental transmission of malaria, infected with oocysts and sporozoites of <i>Plasmodium falciparum</i> ; 242°	Dy & Gapuz	1948

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>MYZOMYIA</i> <i>rossi</i> <i>indefinatus</i> (Ludlow)	---; ---; 242	Bezzi	1913
<i>rossi</i> <i>marquanus</i> (Banks)	---; ---; 242	Bezzi	1913
<i>sergentii</i> (Theobald)	Seepages, irrigation canals; enters houses, naturally infected with malaria, Sept.-Oct.; 342*	Kligler	1930
<i>superpictus</i> Grassi	---; June-Sept., naturally infected with malaria; 342	Kligler	1930
<i>thor-tonii</i> Ludlow	---; ---; 242	Bezzi	1913
<i>MYZORHYNCHUS</i> <i>sinensis</i> Wiedemann	---; naturally infected with malaria; 76	Stanley	1913
	---; ---; 144	Koun	1926
	---; ---; 242	Bezzi	1913
<i>vanus</i> Wulp	---; ---; 242	Bezzi	1913
<i>NISSOMYZOMYIA</i> <i>rossi</i> Giles	Irrigation canals and trenches; ---; 144	Cruickshank & Wright	1914
<i>NISSORHYNCHUS</i> <i>annulipes</i> var. <i>moluccensis</i> Swellengrebel & Swellengrebel de Graaf	---; ---; 147 (Artificial containers, brackish, fresh, running and stagnant water)	Swellengrebel & Swellengrebel de Graaf	1920
<i>flavus</i> Ludlow	---; ---; 242	Bezzi	1913
<i>nivipes</i> Theobald	Marshy ground fed by a stream; ---; 190	Lamborn	1922 a
<i>OCHLEROTATUS</i> <i>albotaeniatus</i> (Theobald)	---; ---; 70	Senior-White	1927
<i>caspius</i> (Pallas)	Brackish water; June; 154	Barraud	1921
	Footprints and other small collections of water; ---; 154	Buxton	1922
	Brackish, fresh water, along marshes; bites in day light, active evenings; 159°	Buxton	1924 a

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>OCHLEROTATUS</i> <i>detritus</i> (Haliday)	Coastal brackish water; ---; 154°. Brackish water; abundant and troublesome in wet season and spring; 159°	Barraud	1921
	---; biting at dusk, Feb. and April; 154°. ---; Jan.; 159	Buxton	1924 a
<i>dorsalis</i> (Meigen)	Desert pools collection of rain water; Dec.-Feb.; 151	Barraud	1920
<i>vigilar</i> (Skuse)	Salty, sandy-bottomed swamps without vegetation; ---; 144	Borel	1930 a
<i>ORTHOPODOMYIA</i> <i>albipes</i> Leicester	---; ---; 143, 145, 190, 242 (Bamboos)	Barraud	1934
	Bamboo cavities; ---; 242	Bohart	1945
<i>anopheloides</i> (Giles)	Tree trunk in forest; May, June, July, Aug., Sept.; 11, 143	Barraud	1927
	---; ---; 59, 143, 144 (Bamboo stumps)	Hsiao	1945
	Tree holes, bamboo stumps; ---; 70	Senior-White	1920 a
	Tree holes, bamboo stumps; ---; 76	Bohart	1946
	Bamboo stumps; ---; 77	Chow	1950
	Tree holes during monsoon; ---; 143	Barraud	1932
	Hollow bamboo stalks; ---; 144	Borel	1930 a
	---; ---; 158, 190 (Tree holes, bamboo stumps, stone bowls and garden tanks). Tree holes; ---; 242	Delfinado	1966
<i>anopheloides</i> var. <i>andamanensis</i> Barraud	Buttress roots of trees; ---; 11, 143, 147	Lee	1944
	Buttress, root hole; ---; 280	Brug	1934 +
<i>anopheloides</i> <i>maculata</i> Theobald	Tree holes, bamboos; ---; 70	Wijesundara	1942
	---; ---; 70, 143, 146 (Foul water in stumps of giant bamboo and tree holes)	Barraud	1934
<i>anopheloides</i> <i>nipponica</i> La Casse & Yamaguti	Artificial containers, cut bamboo; ---; 158	La Casse & Yamaguti	1950
<i>flavicoستا</i> Barraud	Tree holes; ---; 143	Barraud	1927

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>ORTHOPODOMYIA</i>	---; ---; 70 (Tree holes)	Barraud	1934
<i>flavithorax</i>			
Barraud	Tree holes; Sept.; 143	Barraud	1927
<i>maculipes</i>	Bamboo stump; ---; 11, 145, 146, 149	Brug	1931 a
Theobald	---; ---; 11, 146, 190, 242 (Bamboo stumps, tree holes and a wooden bucket)	Delfinado	1966
	---; 750-1200 feet elevation; 277	Barraud & Christophers	1931
	Tree holes, coconut shells, bamboo stumps; ---; 280	Colless	1957 a
<i>madrensis</i>	---; ---; 11, 145, 146, 149, 190, 242, 277 (Tree holes, bamboo stumps, artificial containers and tree fern stumps)	Delfinado	1966
Baisas			
<i>mcgregori</i>	---; ---; 242	Delfinado	1966
(Banks)			
<i>pulchripalpis</i>	Reservoirs, tree holes; ---; 118, 321, 345 (Bites man)	Shtakelberg	1937
(Rondani)	---; ---; 317	Anonymous	1944
<i>PARDOMYIA</i>	---; common in swampy region; 149	Dammerman	1926
<i>aurantius</i>	Pot holes in mangrove; ---; 280	Edwards & Given	1928
(Theobald)			
<i>SKUSEA</i>			
<i>cancricomes</i>	Swamps, marshes; March; 144	Borel	1926
(Edwards)			
<i>STEGOMYIA</i>	---; ---; 59, 70, 235	Barraud	1923 d
<i>albopictus</i>	---; April-October; 118	Roukhadze	1926 b
(Skuse)	Artificial containers, tree holes, bamboo stumps, water butts; ---; 143	Barraud	1923 b
	---; June-Sept.; 143	Senior-White	1934
	Artificial containers, tree holes; in houses, suspected vector of dengue, common in bushes, on walls, April and Sept.; 144	Toumanoff	1935
	Near houses; ---; 144	Borel	1930 a
	---; common in swampy areas; 149	Dammerman	1926
	Artificial containers; ---; 158	Lamborn	1922
	Pools, swamps, pitcher plants, travellers palms, artificial containers; ---; 190	Milne	1933

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>STEGOMYIA</i>	---; ---; 11, 59	Barraud	1923 d
<i>argenteus</i>	Artificial containers; near houses; 143	Barraud	1923 b
Poiret	Artificial containers; near houses; 144*	Borel	1930 a
	---; along coast; 154, 159	Buxton	194 a
	---; ---; 342	Bodenheimer	1937
<i>argentea</i>	---; ---; 59, 70	Barraud	1923 d
var. <i>luciensis</i>			
Theobald			
<i>fasciatus</i>	Shallow brackish wells; all year; 2	Smith & Loughnan	1914
Fabricius	---; ---; 11, 59. Tree holes, hollow bamboos, pool of rain water, wells, artificial containers; ---; 143**. ---; ---; 144, 235, 302. ---; experimental transmission of dengue; 242 (Day biting, common)	Barraud	1928 b
	---; ---; 31°	Christophers	1921
	---; common near and in houses, June, Oct., carrier of yellow fever; 70	James	1914
	---; ---; 76	Riley	1932 a
	---; April-October; 118	Roukhadze	1926 b
	Artificial container; near houses; 139	Anonymous	1915
	Artificial containers, cisterns, cement syphon tube of the smaller branches of the canal; Sept.; 143	Hodgson	1914
	---; in houses, Mar.-Apr., July-Nov.; 143	Senior-White	1934
	Artificial containers, tree holes; in houses, suspected vector of dengue, in bushes, on walls, August; 144°	Toumanoff	1935
	---; Feb.; 149	Stanton	1915
	---; river bank, Nov.; 150. ---; rare; 151	Barraud	1920
	Wells; ---; 151	Christophers & Shortt	1921
	Artificial containers; ---; 154°, 302, 342°. ---; artificial containers, most troublesome in hot season; 174°	Barraud	1921

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>STEGOMYIA</i>	---; experimental transmission of dengue; 174	Siler et al.	1926
<i>fasciatus</i>	Cisterns, fresh or slightly brackish water; bites indoors at night; 302°	Adrien	1918
Fabricius (cont.)	---; ---; 317*	Stefko	1917
<i>fasciata</i>	---; ---; 70	James	1914
var. <i>luciensis</i> Theobald			
<i>fasciata</i>	---; ---; 242	Bezzi	1913
<i>persistans</i> Banks			
<i>flavopictus</i>	Tree holes; at high altitudes; 235	Barraud	1923 a
Yamada			
<i>mediopunctatus</i>	Hollow bamboo stalks in forests; ---; 144	Borel	1930 a
(Theobald)			
<i>scutellaris</i>	Artificial containers; all year, enters houses at sundown; 70°	Senior-White	1920 a
(Walker)	---; ---; 70	Carter	1950 a
	---; naturally infected with yellow fever; 76	Stanley	1913
	---; possible vector of dengue; 77	Siler et al.	1926
	---; April-October; 118	Roukhadze	1926 b
	Artificial containers with clean or dirty water; in houses and outdoors; 139	Anonymous	1915
	Artificial containers, cisterns, cement syphon tubes of smaller branches of the canal; common, Sept.; 143	Hodgson	1914
	Tree holes and bamboo traps; ---; 143	Fletcher	1917
	---; ---; 143°	Fletcher	1916
	Chatties, tins, tanks; ---; 144°	Cruickshank & Wright	1914
	---; Feb.; 149	Stanton	1915
	---; ---; 242	Banks	1919
<i>sugens</i>	---; ---; 2, 143	Edwards	1912
Wiedemann	Rocky pools in ravine; ---; 70	Senior-White	1920 a

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>STEGOMYIA</i>	---; ---; 70, 235	Barraud	1923 d
<i>vittatus</i> (Bigot)	Artificial containers, rock pools; ---; 143	Barraud	1923 b
	Tree holes, rock pools; ---; 144	Borel	1930 a
<i>w-albus</i> (Theobald)	---; ---; 11, 70	Barraud	1923 d
	Hill side; ---; 139	Anonymous	1915
	Common in tree holes; ---; 143	Fletcher	1921
	Bamboo traps; ---; 143	Fletcher	1917
<i>TAENIORHYNCHUS</i>			
<i>argenteus</i> Ludlow	---; ---; 242	Bezzi	1913
<i>brevicellulus</i> Theobald	---; ---; 70	Senior-White	1927
	---; ---; 143	Senior-White	1922
	---; March; 149	Stanton	1915
<i>conopas</i> (Frauenfeld)	---; March; 149	Stanton	1915
<i>lineatopennis</i> (Ludlow)	---; ---; 242	Bezzi	1913
<i>metallica</i> (Theobald)	---; ---; 242	Bedford	1928
<i>nigrosignatus</i> Edwards	---; ---; 77	Stone et al.	1959
<i>pagei</i> Ludlow	---; ---; 242	Bezzi	1913
<i>tenax</i> Theobald	---; ---; 143	Fletcher	1916
<i>uniformis</i> (Theobald)	Marshy areas; July-October, Feb.; 70. ---; ---; 76, 149, 158. ---; naturally infected with <i>Wuchereria malayi</i> ; 143. ---; experimentally infected with <i>W. malayi</i> ; 146. ---; naturally and experimentally infected with <i>W. malayi</i> ; 190	Carter	1950
	---; cattle and human-bait traps, April-Nov., naturally infected with <i>W. malayi</i> and <i>W. bancrofti</i> ; 70	Carter	1948
	---; ---; 77, 145	Edwards	1941

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>TAENIORHYNCHUS</i> <i>uniformis</i> (Theobald) (cont.)	---; ---; 144, 235	Barraud	1927
	---; ---; 242	Edwards	1929
	Grassy swamp; ---; 280	Edwards & Given	1928
<i>THEOBALDIA</i> <i>congiarfolata</i> Macquart	---; ---; 342	Kirkpatrick	1925 +
<i>indica</i> (Edwards)	---; Feb.-March, May, October; 143	Barraud	1924 d
	---; ---; 303	Keshish'yan	1941
<i>longiareolata</i> (Macquart)	Reservoirs; ---; 28, 31, 35, 118, 256, 321 (Bites man)	Shtakelberg	1937
	---; April-June; 143. ---; June; 235	Barraud	1924 d
	---; ---; 143, 150 (Pools and ponds)	Barraud	1934
	Artificial reservoirs, bogs and swamps, artificial containers; ---; 150	Gutzevich	1948 +
	Under fallen leaves near dam; ---; 150	Beklemishev & Contaeva	1943 +
	---; bite man; 150°	Gutzevich	1943
	Deep pools; ---; 151	Barraud	1920
	Rain pools in rocky beds; May; 154. Cisterns, water butts, clear water, ditches, caves, brackish rummel; all year; 342	Buxton	1924 a
	Artificial containers, wells; ---; 174, 342	Barraud	1921
	Rock pools, marsh pools, pits, large swamps; Mar.-May, Sept., Oct.; 174, 302	Parr	1943 +
	Semi-permanent water, or transitory rain or flood-water pools with little vegetation; ---; 270	Edwards	1941
	---; ---; 303	Keshish'yan	1941
	---; ---; 317	Martini	1930
	Saline wells; ---; 318	Petrishcheva	1936
	Polluted pond water; ---; 326	Kazantzev	1932
	---; ---; 354	Edwards	1921 b

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>THEOBALDIA</i>			
<i>longiareolata</i> <i>spathipalpis</i> Rondani	Muddy puddles; enters houses; 256	Martini	1928 +
<i>spathipalpis</i> Rondani	Wells; ---; 151	Christophers & Shortt	1921
	---; ---; 317	Irfan & Vogel	1927 +
<i>TOPOMYIA</i>	---; ---; 143	Barraud	1929 a
<i>argenteoventralis</i> Leicester	---; ---; 145	Edwards	1932 +
	Leaf axils of <i>Colocasia</i> near waterfall; ---; 149, 190	Brug	1931 c
<i>argyropalpis</i> Leicester	---; ---; 146	Edwards	1928
	---; ---; 190. Leaf axils containing water, bamboo, certain flowers; ---; 242	Bohart	1945
<i>aureoventer</i> (Theobald)	---; ---; 143, 190	Barraud	1934
<i>auriceps</i> Brug	<i>Colocasia</i> leaf axils; ---; 145	Brug	1939
<i>barbus</i> Baisas	---; ---; 242	Bick	1949
<i>decorabilis</i> Leicester	---; ---; 145, 190	Edwards	1922 c
<i>dejesusi</i> Baisas & Feliciano	---; ---; 242	Stone et al.	1959
<i>dubitans</i> Leicester	<i>Colocasia</i> leaf axils; ---; 145	Brug	1939
	---; ---; 190	Edwards	1928
<i>gracilis</i> Leicester	Plant stalks; ---; 144	Borel	1930 a
	Leaf axils; ---; 146, 149, 190	Brug	1931 a
<i>hernandoi</i> Baisas & Feliciano	---; ---; 242	Stone et al.	1959

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>TOPOMYIA</i>	Leaf bases of <i>Colocasia</i> ; July-Oct.; 76	Chow	1949 c
<i>houghtoni</i>			
Feng	Leaf axils of Aroid; ---; 76	Chow	1949
<i>imitatus</i>	---; ---; 242	Stone et al.	1959
Baisas			
<i>minor</i>	---; ---; 190	Edwards	1928
Leicester			
<i>nigra</i>	<i>Pandanus</i> leaf axils; ---; 146, 190	Brug	1931 a
Leicester			
<i>pilusa</i>	Leaf axils; ---; 149	Brug	1931 a
Brug			
<i>pseudobarbus</i>	---; ---; 242	Stone et al.	1959
Baisas			
<i>rubithoracis</i>	---; ---; 149, 190	Brug & Edwards	1931
Leicester			
<i>spathulirostris</i>	Bamboo; at 3500 feet elevation; 190	Edwards	1923
Edwards			
<i>tenuis</i>	---; near stream in jungle; 190	Edwards	1922 b
Edwards			
<i>tipuliformis</i>	<i>Colocasia indica</i> , leaf axils of Pesang; ---; 146, 190	Brug	1931 a
Leicester	---; ---; 149	Brug & Edwards	1931
	Edges of jungle stream; ---; 190	Edwards	1922 c
<i>trifida</i>	---; ---; 145	Edwards	1922 b
Edwards			
<i>TOXORHYNCHITES</i>	---; ---; 145, 190	Stone et al.	1959
<i>acaudatus</i>			
(Leicester)	Pitcher plants; ---; 280	Edwards & Given	1928
<i>albipes</i>	Tree holes; ---; 143	Edwards	1922 c
(Edwards)	Tree holes, hollow bamboo stalks; ---; 144	Borel	1930 a
<i>amboinensis</i>	---; ---; 146, 147, 277	Stone et al.	1959
(Doleschall)	Polluted water, exposed or shaded, artificial containers; ---; 242	Bick	1949
	---; common; 242	Bohart	1945
<i>ater</i>	Pitcher plant; ---; 190	Edwards	1923 +
(Daniels)			

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>TOXORHYNCHITES</i>	Bamboo stumps, tree holes, artificial containers;	Lien	1965
<i>aurifluus</i> (Edwards)	---; 77		
	---; ---; 146, 149	Stone et al.	1959
	---; ---; 158	Ogasawara	1939
	---; ---; 190	Brug & Edwards	1931
<i>aurifluus</i> <i>formosensis</i> Ogasawara	---; ---; 77	Ogasawara	1939 a +
<i>auripes</i> (Edwards)	---; ---; 145	Stone et al.	1959
<i>christophi</i> (Portschinsky)	Tree holes, reservoirs; ---; 256	Shtakelberg	1937
<i>coeruleus</i> (Brug)	---; ---; 149	Stone et al.	1959
<i>edwardsi</i> (Barraud)	Tree holes; ---; 143	Barraud	1924 f
<i>funestus</i> (Leicester)	---; ---; 190	Stone et al.	1959
<i>gigantulus</i> (Dyar & Shannon)	---; Nov.; 242	Dyar & Shannon	1925
<i>gilesii</i> Theobald	---; ---; 76	Faust	1926 a
<i>gravelyi</i> (Edwards)	Tree holes, bamboo; ---; 143	Barraud	1934
	---; ---; 277	Stone et al.	1959
<i>immisericors</i> (Walker)	Bamboo stump; Dec., Feb., March, May; 70	Senior-White	1920 a
<i>inornatus</i> (Walker)	Tree holes, artificial containers, wells; ---; 147	Lee	1944
<i>inornatus</i> <i>albitarsis</i> (Brug)	Leaf axils of <i>Colocasia</i> ; ---; 145	Brug	1939
<i>kempi</i> (Edwards)	Bamboos; ---; 76, 143, 146	Bohart	1946
	Tree holes, bamboo stalks; ---; 144	Borel	1930 a
	Artificial container; ---; 146	Brug	1932 +

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>TOXORHYNCHITES</i>			
<i>klossi</i> (Edwards)	---; ---; 143, 190	Stone et al.	1959
<i>leicesteri</i> Theobald	6000 feet elevation or more among oaks and pines; ---; 143	Christophers	1921
	---; ---; 190, 277, 280	Stone et al.	1959
<i>magnificus</i> (Leicester)	---; ---; 145, 190, 277, 280	Stone et al.	1959
<i>manicatus</i> (Edwards)	Bamboo stumps, tree holes, artificial containers; ---; 77	Lien	1965
	---; ---; 158	Ogasawara	1939
<i>metallicus</i> Leicester	---; ---; 143, 337	Stone et al.	1959
	---; ---; 146	Brug & Edwards	1931
	Bamboo stumps; ---; 149	Brug	1931 a
	Bamboos, tree holes, pitcher plants; ---; 190	Edwards	1923
	---; ---; 242	Dyar	1920
<i>minimus</i> (Theobald)	Tree holes and bamboos; ---; 70. Bamboos; ---; 143, 149	Barraud	1934
	---; April-March; 70	Senior-White	1919
	---; ---; 146, 190	Brug & Edwards	1931
<i>nepenthis</i> (Dyar & Shannon)	---; Feb.; 242	Dyar & Shannon	1925
<i>nigripes</i> (Edwards)	---; ---; 145	Stone et al.	1959
<i>pendleburyi</i> (Edwards)	---; ---; 145	Stone et al.	1959
<i>quasiferax</i> (Leicester)	Bamboo stump; ---; 143, 145, 146, 149, 190	Brug	1931 a
	---; ---; 280	Stone et al.	1959
<i>raris</i> (Leicester)	---; ---; 190	Stone et al.	1959

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>TOXORHYNCHITES</i> <i>speciosus</i> (Skuse)	Artificial containers, tree holes, coconut shells, bamboo stumps; ---; 280	Colless	1957 a
<i>splendens</i> (Wiedemann)	Leaf axils of <i>Colocasia</i> ; ---; 11, 70, 146, 147, 149, 277	Brug	1931 a
	---; ---; 11, 59, 139, 144 (Artificial containers near houses)	Barraud	1934
	Tree holes and bamboo stumps; ---; 70	Wijesundara	1942
	Artificial containers; ---; 70	Senior-White	1927
	Tree holes, bamboos, artificial containers, predaceous; ---; 76	Bohart	1946
	---; ---; 139, 277 (Bamboos). ---; ---; 144 (Tree holes and bamboos). ---; ---; 190 (Tree holes, bamboos, artificial containers)	Hsiao	1945
	Artificial containers, water butts; ---; 143	Lee	1944
	Tree holes, bamboo stumps, artificial containers; ---; 146	Paine	1934
	---; on tree trunks during daytime, Sept.; 190	Lien	1965
	Tree holes, bamboos, artificial containers, leaf axils of <i>Colocasia</i> ; ---; 242	Bohart	1946
	Artificial containers with water and tree holes; ---; 277	Causey	1937
	Pitcher plants; ---; 280	Edwards	1923 +
<i>splendens</i> <i>subulifer</i> (Doleschall)	---; ---; 145, 147	Stone et al.	1959
<i>sumatranus</i> (Brug)	Pitcher plant; ---; 149	Brug	1939
<i>yaeyamae</i> Bohart	---; ---; 257	Stone et al.	1959
<i>yamadai</i> (Ouchi)	---; ---; 158	Stone et al.	1959
<i>TRICHOCEA</i> <i>siberica</i> Edwards	---; ---; 256	Edwards	1920

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>TRIPTEROIDES</i>	Edges of streams; ---; 157	Edwards	1921
<i>oerensis</i> (Edwards)	---; ---; 277	Stone et al.	1959
<i>affinis</i> (Edwards)	---; ---; 70. Tree holes; ---; 143	Barraud	1929
	---; ---; 277	Stone et al.	1959
<i>antennalis</i> Bohart & Farner	---; at 7000-8000 feet elevation; 242	Bohart	1945
<i>apoensis</i> Baisas & Ubaldo- Pagayon	Pitcher plants; ---; 342	Baisas & Pagayon	1952
<i>aranoides</i> (Theobald)	Bamboos; ---; 11, 59	Barraud	1929
	---; ---; 11, 59, 143, 146 (Occasionally tree holes). ---; ---; 144, 145 (Bamboos and tree holes). Common in pitcher plants and bamboos; ---; 190	Barraud	1934
	Bamboo stump and pitcher plants; ---; 70, 143, 146, 149	Brug	1931 a
	Tree holes; ---; 70	Wijesundara	1942
	Bamboo stumps; ---; 76	Chow	1949 c
	Bamboo stumps; ---; 77	Chow	1950
	---; ---; 133	Stone et al.	1959
	Hollow bamboo stalks; ---; 144	Borel	1930 a
	Pools, swamps; ---; 190	Milne	1933
	Pitcher plants; ---; 277	Causey	1937
	Pitcher plants; ---; 280	Colless	1957 a
	---; ---; 349	de Mello & Afonso	1921
<i>aranoides</i> var. <i>serratus</i> (Barraud)	---; ---; 143	Stone et al.	1959
<i>atripes</i> <i>occidentalis</i> Brug	---; ---; 146	Brug	1934 +
<i>atripes</i> <i>punctolateralis</i> (Theobald)	---; ---; 242	Bezzi	1913

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>TRIPTEROIDES</i>			
<i>bambusa</i> (Yamada)	Bamboo stumps; ---; 76	Chang	1939
	Jungle; ---; 76	Li & Wu	1935 b +
	---; ---; 76 (Tree holes, artificial containers). ---; ---; 135 (Bamboo trunks, tree holes, artificial containers)	Hsiao	1945
	Bamboo stumps, artificial water containers; ---; 77	Chow	1950
	Tree holes, occasionally in artificial containers; ---; 158	Hsiao & Bohart	1946
	Shaded bamboo stumps with organic matter, dried leaves in bamboo groves; all year; 158	La Casse & Yamaguti	1950
	Tree holes; ---; 158	Sara & Tshimura	1951
	---; ---; 257	Stone et al.	1959
<i>barruadi</i> Baisas & Ubaldo- Pagayon	Ground and arboreal pitcher plants; ---; 242	Baisas & Pagayon	1952
<i>belkini</i> Baisas & Ubaldo- Pagayon	Arboreal pitcher plants; ---; 242	Baisas & Pagayon	1952
<i>bimaculipes</i> (Theobald)	---; ---; 77	Secrete	1916
	Coconut husks, tree holes, bamboo stumps and pitcher plants; ---; 147	Lee	1944
<i>brevipalpis</i> Brug	Bamboo stumps; ---; 147	Lee	1944
<i>caeruleocephalus</i> (Leicester)	---; ---; 146, 190	Stone et al.	1959
	---; June; 149	Stanton	1915
<i>christophersi</i> Baisas & Ubaldo- Pagayon	Ground pitcher plants; ---; 242	Baisas & Pagayon	1952
<i>claggi</i> Bohart & Farner	---; 7000-8000 feet elevation; 242	Bohart	1945
<i>delpilari</i> Baisas & Ubaldo- Pagayon	Ground and arboreal pitcher plants; ---; 242	Baisas & Pagayon	1952

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>TRIPTEROIDES</i>			
<i>dofleini</i> (Gunther)	In pitcher plant, <i>Nepenthes destillatoria</i> ; ---; 70	Guenther	1913
<i>dyari</i> Bohart & Farner	Pitcher plants; ---; 242	Baisas & Pagayon	1952
<i>dyi</i> Baisas & Ubaldo- Pagayon	---; ---; 242	Baisas & Pagayon	1952
<i>edwardsi</i> (Barraud)	Bamboo; ---; 143	Barraud	1934
<i>erlindae</i> Baisas & Ubaldo- Pagayon	---; ---; 242	Stone et al.	1959
<i>hoogstraali</i> Baisas	---; active by day in dense woods; 242°	Baisas & Pagayon	1952
<i>hybridus</i> (Leicester)	---; ---; 190, 277	Stone et al.	1959
<i>indeterminatus</i> Baisas & Ubaldo- Pagayon	---; ---; 242	Stone et al.	1959
<i>intermediatus</i> Baisas & Ubaldo- Pagayon	Pitcher plants; ---; 242	Baisas & Pagayon	1952
<i>knighti</i> Baisas & Ubaldo- Pagayon	---; ---; 242	Baisas & Pagayon	1952
<i>mabinii</i> Baisas & Ubaldo- Pagayon	Cut bamboos; ---; 242	Baisas & Pagayon	1952
<i>malvari</i> Baisas & Ubaldo- Pagayon	Pitcher plants; ---; 242	Baisas & Pagayon	1952
<i>mendacis</i> (Daniels)	Pitcher plants; ---; 190	Edwards	1923
<i>microcala</i> (Dyar)	Ground and arboreal pitcher plants; ---; 242	Baisas & Pagayon	
<i>monetifer</i> (Dyar)	Cut bamboos; enters houses, late afternoon, readily bites man; 242°	Baisas & Pagayon	1952

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>TRIPTEROIDES nepenthicola</i> (Banks)	Ground and arboreal pitcher plants; ---; 242	Baisas & Pagayon	1952
<i>nepenthis</i> (Edwards)	Pitcher plant; ---; 145	Edwards	1915
	Pools, swamps, pitcher plants; ---; 190, 280	Milne	1933
<i>nitidoventer</i> (Giles)	Bamboo stumps, dead bamboo; ---; 145	Brug	1939
	Cut bamboos; enters houses late afternoon; 242°	Baisas & Pagayon	1952
	Dead bamboo; ---; 242	Bohart	1945
<i>plumosus</i> (Brug)	Bamboo stumps; ---; 146, 149	Brug	1931 a
<i>powelli</i> (Edwards)	---; ---; 133	Stone et al.	1959
	Bamboo stumps and tree holes; ---; 146	Brug	1939
	Tree holes, cut bamboos, banana axils, artificial containers, husks, shells, fallen leaves of coconut; ---; 242	Baisas & Pagayon	1952
<i>powelli escobadae</i> Baisas & Ubaldo- Pagayon	Tree holes, cut bamboos, artificial containers, coconut husks, shells, axils of <i>Colocasia</i> and palm stumps; ---; 242	Baisas & Pagayon	1952
<i>powelli indicus</i> (Barraud)	---; ---; 59, 143 (Bamboos). Bamboos; ---; 242	Barraud	1934
	Bamboo stumps; ---; 145	Brug	1939
<i>powelli laffooni</i> Baisas & Ubaldo- Pagayon	Tree holes, cut bamboo, axils of bananas and <i>Pandanus</i> , palm stumps; ---; 242	Baisas & Pagayon	1952
<i>powelli mattinglyi</i> Baisas & Ubaldo- Pagayon	Cut bamboo; ---; 242	Baisas & Pagayon	1952
<i>proximus</i> (Edwards)	Hallow bamboo stalks; ---; 144	Borel	1930 a
	Pitcher plants; ---; 145	Edwards	1915
	Tree hole, bamboo stumps; ---; 146	Brug	1939
	Tree holes, bamboo stumps; ---; 149	Brug	1932 +
	---; ---; 190	Brug & Edwards	1931

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>TRIPTEROIDES</i>			
<i>roxasi</i> Baisas & Ubaldo- Pagayon	Ground pitcher plants; ---; 242	Baisas & Pagayon	1952
<i>roseboomi</i> Baisas & Ubaldo- Pagayon	---; ---; 242	Baisas & Pagayon	1952
<i>similis</i> (Leicester)	---; ---; 133, 146, 149, 277	Stone et al.	1959
	---; ---; 143, 190 (Bamboos)	Barraud	1934
	---; mountains 3500 feet elevation; 190	Edwards	1928
<i>simulatus</i> Baisas & Ubaldo- Pagayon	Pitcher plants; ---; 242	Baisas & Pagayon	1952
<i>sullivanae</i> Baisas & Ubaldo- Pagayon	Shells of small forest snails, tree holes; ---; 242	Baisas & Pagayon	1952
<i>toffaletii</i> Baisas & Ubaldo- Pagayon	Cut bamboos; ---; 242	Baisas & Pagayon	1952
<i>uichancoi</i> Baisas & Ubaldo- Pagayon	---; ---; 242	Baisas & Pagayon	1952
<i>vicinus</i> (Edwards)	Tree holes, bamboo; ---; 76, 190	Bohart	1946
	---; ---; 139 (Tree holes bites man). ---; ---; 190 (Bites man)	Hsiao	1945
	Pitcher plants; ---; 145, 149, 190	Brug	1931 a
	Pitcher plants; ---; 280	Edwards	1928
<i>verneri</i> Baisas & Ubaldo- Pagayon	Arboreal pitcher plants; ---; 242	Baisas & Pagayon	1952
<i>URANOTAENIA</i>			
<i>alboannulata</i> (Theobald)	---; ---; 143	Barraud	1934
<i>annandalei</i> Barraud	---; ---; 59, 143, 257 (Forest streams, shaded residual pools in rocky jungle creeks, old scummy pools on forest floor and jungle swamps). ---; ---; 242 (Shaded pools in rocky jungle creeks and jungle swamps)	Delfinado	1966

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>URANOTAENIA</i> <i>annandalei</i> Barraud (cont.)	---; ---; 59, 139, 143, 277 (Stream beds with sandy bottoms in hilly country)	Hsiao	1945
	Shady pools, partly dried stream bed; ---; 76	Hu	1937
	Sandy stream bed pools; ---; 76	Bohart	1946
	Ground pools; ---; 77	Chow	1950
	---; in jungle; 143	Barraud	1934
	Forest streams; at 5000 feet elevation; 242	Baisas	1935
	Back water of valley stream; ---; 277	Causey	1937
<i>arguellesi</i> Baisas	Grassy ponds, semi-stagnant brooks, semi-open forested marshes with many leaves in water, clear and shaded jungle creeks and impounded clear vegetated water; ---; 242	Delfinado	1966
<i>argyrotarsis</i> Leicester	---; ---; 147, 190 (Forest streams, tree holes, shaded temporary ground pools and leafy forest swamps). ---; ---; 242 (Tree holes, shaded temporary ground pools and leafy forest swamps)	Delfinado	1966
	Tree holes, temporary ground pools; ---; 150, 242	Knight et al.	1944 +
	Forest streams; ---; 242	Baisas	1935
<i>ascidiicola</i> de Meijere	Leaf cups of <i>Nepenthes gymnamphora</i> ; ---; 146	Brug	1931 a
<i>atra</i> Theobald	---; crab holes; 11 (Stagnant pools, swamps, brackish water on coral islet). ---; ---; 70, 143, 190, 242, 277 (Crab holes, stagnant pools, swamps, brackish water on coral islet)	Barraud	1934
	Crab holes, stagnant pools and swamps with nipa palms, brackish water, forest streams; ---; 59, 70, 143, 146, 190, 242, 277	Belkin	1953 +
	Brackish water; ---; 146	Brug	1924
	---; ---; 149	Brug & Edwards	1931
	Forest streams; ---; 242	Baisas	1935
	Shaded natural water collections, artificial containers; ---; 277	Causey	1937
	---; enters houses; 277	Barraud & Christophers	1931
<i>bicolor</i> Leicester	---; ---; 143, 190 (Marshy edges of jungle stream)	Barraud	1934

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>URANOTAENIA</i>	Artificial containers, tree holes, bamboos; ---; 76	Bohart	1946
<i>bimaculata</i>	Bamboo stumps and papaya tree holes; ---; 77	Chow	1950
Leicester	In water in tree holes; Sept.-Oct.; 143, 190	Barraud	1926
	Artificial containers, shaded bamboo stumps; June-- Sept.; 158	La Caise & Yamaguti	1950
	Tree holes, cut bamboo and occasionally in rock holes; ---; 158	Hsiao & Bohart	1946
	---; ---; 190 (Bamboos)	Barraud	1934
	---; ---; 242. Tree holes, cut bamboo; ---; 257	Bohart & Ingram	1946
	---; ---; 277	Delfinado	1966
<i>brevirostris</i>	Pitcher plants; ---; 145	Edwards	1923 +
Edwards	---; ---; 149, 190	Brug & Edwards	1931
	Pitcher plants; ---; 280	Edwards & Given	1928
<i>campestris</i>	Streams, rock springs, ravine; ---; 70	Senior-White	1920 a
Leicester	Rice field; ---; 70	Senior-White	1925
	Tank; rare, Oct.; 143	Fletcher	1923
	---; ---; 143 (Streams and rock springs)	Barraud	1934
	---; ---; 145	Edwards	1922 c
	---; ---; 146, 149	Brug & Edwards	1931
	Jungle pools; ---; 190	Smart	1914
	---; in train near light; 277	Barraud & Christophers	1931
<i>campestris</i>	---; ---; 143	Barraud	1934
var. <i>selenae</i>			
Barraud			
<i>christophersi</i>	---; ---; 11	Barraud	1934
Barraud			
<i>clara</i>	Fresh water marshes, dark and shaded swamp forest and residual ground pools; ---; 242	Delfinado	1966
Dyar & Shannon			

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>URANOTAENIA</i>			
<i>coeruleocephala</i> Theobald	---; ---; 242	Bezzi	1913
<i>delae</i> Baisas	Fresh water marsh; July; 242	Baisas	1935
<i>edwardsi</i> Barraud	---; indoors; 143	Barraud	1934
<i>gigantea</i> Brug	In leaf cups; ---; 149	Brug	1931 a
<i>hebes</i> Barraud	---; in jungle; 143	Barraud	1934
<i>heiseri</i> Baisas	Fresh water swamps; July; 242	Baisas	1935
<i>hongayi</i> Galliard & Ngu	---; ---; 144	Stone et al.	1959
<i>innotata</i> Dyar & Shannon	---; ---; 242	Dyar & Shannon	1925
<i>jacksoni</i> Edwards	---; ---; 76	Bohart	1946
	---; ---; 139	Hsiao	1945
<i>kalabahensis</i> Haga	---; ---; 146, 337	Haga	1925
<i>lagunensis</i> Baisas	Jungle, hoof prints, forest swamps and rock holes in creeks; ---; 242	Delfinado	1966
	---; March, Nov.; 242	Baisas	1935
<i>lateralis</i> Ludlow	---; ---; 11, 70, 143, 145, 190, 242, 277, 337 (Forest streams, grassy puddles and brackish nipa palm swamps, crab holes and stagnant pools)	Delfinado	1966
<i>longirostris</i> Leicester	---; ---; 143, 190 (Ponds, clear pools at side of stream)	Barraud	1934
<i>ludlowae</i> Dyar & Shannon	Large, clear, vegetated pools or marshes; ---; 242	Baisas	1935
<i>luteola</i> Edwards	---; ---; 11, 143	Barraud	1934
<i>lutescens</i> Leicester	Hollow bamboo stalks; ---; 144	Borel	1930 a
	---; ---; 145, 190	Edwards	1922 c

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>URANOTAENIA</i> <i>macfarlanei</i> Edwards	Shady, sand-bottomed pools in hilly streams; ---; 76. Small leafy pools; ---; 146. Cave pools; Sept.; 257	Bohart & Ingram	1946
	Shaded fresh water pool connecting with a hill stream; ---; 76	Feng	1933 b
	Small pools, unclean water; ---; 76	Chang	1939
	Sandy stream bed pools; ---; 76	Bohart	1946
	Ground pools; under rock overhanging hole; 77	Chow	1950
	---; ---; 139, 149, 190 (Stream beds with sandy bottoms in hilly country)	Hsiao	1945
	---; in jungle; 143	Barraud	1934
	Small pool with decaying organic matter; ---; 146	Brug	1932 +
<i>maculipieura</i> Leicester	---; under rock overhanging hole; 77	Chow	1950
	---; in jungle; 143. ---; ---; 190	Barraud	1934
<i>marina</i> Leicester	---; in houses, Oct.; 143	Barraud	1926
	Rock pools at edge of a stream; ---; 190	Barraud	1934
<i>meridiolai</i> Baisas	Rock holes in forest creeks, along stagnated clear edges of creeks and shaded pools in jungle; ---; 242	Delfinado	1966
	---; Jan., March, Nov.; 242	Baisas	1935
<i>metatarsata</i> Edwards	---; ---; 190	Edwards	1928
	---; enters houses; 277	Barraud & Christophers	1931
<i>micans</i> Leicester	---; ---; 190	Edwards	1928
<i>modesto</i> Leicester	---; ---; 145, 190	Edwards	1922 c
<i>moultoni</i> Edwards	---; ---; 145	Edwards	1914 a
	---; ---; 149	Brug & Edwards	1931
<i>nanseica</i> Bohart & Ingram	---; damp rock by stream, Sept.; 257	Bohart & Ingram	1946
<i>nivea</i> Leicester	---; ---; 190, 242	Delfinado	1966

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>URANOTAENIA</i>			
<i>nivipes</i> (Theobald)	---; ---; 190, 242	Edwards	1922 c
<i>nivipleura</i> Leicester	---; ---; 70	Carter	1950 a
	Tree holes in mountains; ---; 143. ---; ---; 190, 257. Pitcher plants; ---; 280	Bohart & Ingram	1946
	Artificial containers, coconut shells, bamboo stumps; ---; 280	Colless	1957 a
<i>obscura</i> Edwards	Bamboo stumps; ---; 76	Chow	1949
	---; ---; 144	Borel	1930 a
	---; ---; 145	Edwards	1915
	---; ---; 149, 190	Brug & Edwards	1931
	Fallen leaves, in jungle; ---; 280	Edwards & Given	1928
<i>orientalis</i> Barraud	---; in jungle; 143	Barraud	1934
	Artificial containers; ---; 277	Causey	1937
<i>papua</i> Brug	---; ---; 147, 337	Haga	1925
<i>pygmaea</i> Theobald	---; ---; 242	Dyar & Shannon	1925
<i>pylei</i> Baisas	Tree holes; ---; 242	Delfinado	1966
<i>quinquemaculata</i> Bonne-Wepster	Rot holes in fallen trees; ---; 146	Bonne-Wepster	1934 +
<i>recondita</i> Edwards	---; ---; 70	Carter	1950 a
	Tree holes; Sept.; 143	Barraud	1926
<i>reyi</i> Baisas	Wide, vegetated, clear pool or marsh; July; 242	Baisas	1935
<i>rossi</i> Delfinado	---; jungle under bark of trees; 242	Delfinado	1966
<i>rutherfordi</i> Edwards	---; enters houses; 70	Edwards	1922 b
<i>stonei</i> Bohart & Ingram	Deep rock holes along banks of streams; August-September; 257	Bohart & Ingram	1946

TABLE 1 - MOSQUITOES (continued)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>URANOAEIA</i> <i>stricklandi</i> Barraud	---; ---; 143	Barraud	1934
<i>subnormalis</i> Martini	---; enters houses; 145. ---; ---; 280	Edwards	1922 c
	---; ---; 190	Edwards	1928
	Pitcher plants; ---; 280	Edwards	1926
	---; ---; 337	Brug	1924
<i>testacea</i> Theobald	---; ---; 59, 76, 143	Wu	1940
	---; ---; 139	Hsiao	1945
	---; ---; 190, 280	Bohart	1945
	Forest streams, muddy creeks, hoof prints in jungle and shaded rock pools abundant with surface litter and scum; ---; 242	Delfinado	1966
	Valley stream; ---; 277	Causey	1937
<i>trilineata</i> Leicester	Rock pool, artificial containers; ---; 70	Senior-White	1920 a
	Bamboo stumps; Aug.-Oct.; 143. ---; ---; 190	Barraud	1924 a
	Tree holes; ---; 143	Barraud	1923 b
	Tree holes and bamboo stalks, artificial containers; ---; 144	Borel	1926
<i>tubanguii</i> Baisas	Tree holes in jungle, cut bamboo; ---; 242	Delfinado	1966
	---; July; 242	Baisas	1935
<i>unguiculata</i> Edwards	Swamps, pits; ---; 35, 118, 256, 321, 326, 342 (Bites man)	Shtakelberg	1937
	---; ---; 35, 303, 318, 321, 326, 342, 345 (Small, stagnant, shady reservoirs with vegetation)	Monchadskii	1936
	---; ---; 143	Barraud	1926
	Pits and ditches; ---; 149. ---; ---; 318	Gutzevich	1948 +
	---; ---; 151	Stone et al.	1959
	---; August-winter; 154, 159. ---; Jan. and Aug - winter; 342 (Large marshy areas, cows' foot prints)	Buxton	1924 a
	---; ---; 162, 235, 342 (Reedy and weedy pools in swampy grounds, borrow pits, disused wells, rice fields, drains between rice fields, sides of canals)	Barraud	1934

TABLE 1 - MOSQUITOES (conclusion)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>URANOAEENIA</i>	Swamps and clay pits with vegetation; Oct.; 302	Parr	1943 +
<i>unguiculata</i>	---	Keshish'yan	1941
Edwards	---	Anonymous	1944
(cont.)	---	Rybinsky	1933
	---	Kazantzev	1932
	---	Shingarev	1926

<i>unguiculata</i>	---	Stone	1961
<i>pefflyi</i>	---		
Stone	---		
<i>unimaculata</i>	---	Edwards	1922 c
Leicester	---		
<i>xanthomelaena</i>	Pitcher plants; ---; 190	Edwards	1925
Edwards	Pitcher plants; ---; 280	Edwards & Given	1928
<i>ZEUGNOMYIA</i>	Artificial containers; at 2900-3000 feet elevation; 242	Delfinado	1966
<i>aguilari</i>			
Baisas & Feliciano			
<i>fajardo</i>	Tree holes, trough in logs, forest at 3600 feet elevation; ---; 242	Delfinado	1966
Baisas & Feliciano			
<i>gracilis</i>	Jungle; ---; 145	Colless	1957 a
Leicester	Fallen forest leaves with water; ---; 190, 242	Delfinado	1966
	---	Edwards	1932 +
	Fallen leaves with water in jungles, predaceous; ---; 280	Edwards & Given	1928
<i>lawtoni</i>	Fallen leaves and axils of palm with water; jungle trap; 242	Delfinado	1966
Baisas			

TABLE 1 - MOSQUITOES
(ALDEHIA)

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
<i>Aedes</i>			
<i>koreicus</i> Edwards	Water pools, artificial containers; bites during the day; 168°	Hsiao	1948
<i>luteolateralis</i> (Theobald)	---; ---; 70	James	1914
<i>Anopheles</i>			
<i>acanthus</i> Dönitz	Polluted fish pond; ---; 190	Hacker	1923
<i>brevipalpis</i> Roper	Shady drains, pools, swamps, jungles; ---; 147° ---; ---; 149	Boyd Brug & Edwards	1949 1931
<i>hackeri</i> Edwards	---; ---; 242	Stone et al.	1959
<i>leucosphyrus</i> Dönitz	---; ---; 145*. ---; suspected vector of malaria; 149. ---; June-July; 277	Reid	1949
<i>lindesayi</i> Giles	Cool spring water or shaded pools; at high altitudes, enters houses, under rocks; 76°	Feng	1938
<i>umbrosus</i> Theobald	Large, swampy pools, ricefields; ---; 190	Lamborn	1922 a
<i>Armigeres</i>			
<i>magnus</i> (Theobald)	Pitcher plants; ---; 139	Barraud	1934
<i>Culex</i>			
<i>bitaeniorhynchus</i> Giles	---; July-August; 158	Mitamura et al.	1950
<i>fatigans</i> Wiedemann	Concrete drains, hyacinth ponds, obstructed drains, artificial containers, coconut shells and bamboo stumps; ---; 280	Colless	1957 a
<i>pipiens</i> Linnaeus	Foul water; ---; 256	Martini	1925

TABLE 2 - SUMMARY OF DISEASES OR DISEASE ORGANISMS TRANSMITTED BY MOSQUITOES

SPECIES	DISEASE OR DISEASE ORGANISM					COUNTRY
	: VIRUS & : RICKETTSIA	: : PROTOZOA	: : HELMINTHS	: : OTHER	: :	
<i>AEDES</i>						
<i>aegypti</i> (Linnaeus)	Dengue				59 76 118 139 144 154	159 242 257 317 337
	Yellow fever					242 (Siler et al. 1926)
<i>albopictus</i> (Skuse)	Dengue				76 145 + 146 + 147 + 149 +	158 168 194 242
			Filariasis			168 (Barnett & Toshioka 1951)
			Nocturnal filariasis			76
<i>argenteus</i> Poiret	Dengue					2
<i>chemulpoensis</i> Yamada			Nocturnal filariasis			158
<i>cinereus</i> Meigen				Tularemia		256
<i>peccilus</i> Theobald			Nocturnal filariasis			242
<i>togoi</i> (Theobald)			Filariasis			194
	Japanese "B" encephalitis					158
			Nocturnal filariasis			158 (Manson-Bahr 1959)
<i>ANOPHELES</i>						
<i>aconitus</i> Dönitz	Malaria				76 + 143 144 145 + 146	158 190 337 366
			Nocturnal filariasis			145 (Manson-Bahr 1959)

TABLE 2 - MOSQUITOES (continued)

SPECIES	DISEASE OR DISEASE ORGANISM					COUNTRY
	VIRUS & RICKETTSIA	PROTOZOA	HELMINTHS	OTHER		
<i>ANOPHELES</i>						
<i>algeriensis</i> Theobald		Malaria				256
<i>annularis</i> van der Wulp		Malaria		70 + 76 143 146 +	149 + 190 277	
<i>arabica</i> Christophers & Khazan Chand		Malaria				154 302
<i>baezai</i> Gater		Malaria				145
<i>balabacensis</i> Baisas		Malaria				145 277
<i>bancrofti</i> Giles		Malaria				147 +
<i>barbirostris</i> van der Wulp			Filariasis			145
		Malaria			144 145 (Russell 1956)	190
			Nocturnal filariasis		143	145 (Mansour- Bahr 1959)
			<i>Wuchereria</i> <i>bancrofti</i>		143	277
			<i>Wuchereria</i> <i>malayi</i>			145
<i>barbirostris</i> <i>barbirostris</i> van der Wulp		Malaria				190
			Nocturnal filariasis			146
<i>barbirostris</i> <i>innominata</i> (Venhuis)		Malaria				145 +
<i>bifurcatus</i> Linnaeus		Malaria				342

TABLE 2 - MOSQUITOES (continued)

SPECIES	DISEASE OR DISEASE ORGANISM					COUNTRY
	: VIRUS & : RICKETTSIA	: PROTOZOA	: HELMINTHS	: OTHER	:	
<i>ANOPHELES</i>						
<i>candidiensis</i> Koizumi		Malaria				139
<i>flavipes</i> Meigen		Malaria		154 159 174		302 342
		<i>Plasmodium</i> <i>vivax</i>				35
<i>culicifacies</i> Giles		Malaria		3 59 70 76 143		144 150 235 277
<i>elutus</i> Edwards		Malaria		118 150 +		154 342
<i>farauti</i> Laveran		Malaria				145
<i>febrifer</i> Banks		Malaria				242
<i>flavivirostris</i> Balsas		Malaria				242
<i>fluviatilis</i> James		Malaria		139 + 143		277
<i>fuliginosus</i> Giles		Malaria		76 + 143 (Iyengar 1930)		
			Nocturnal filariasis	143		146
<i>funestus</i> Giles		Malaria				242
<i>gambiae</i> Giles		Malaria		143 242		270
<i>hyrcanus</i> Pallas			Filariasis			76 (Feng 1935)
		Malaria		139 + 145 +		150 +
			<i>Wuchereria</i> <i>banarofiti</i>			76
			<i>Wuchereria</i> <i>malayi</i>			146

TABLE 2 - MOSQUITOES (continued)

SPECIES	DISEASE OR DISEASE ORGANISM					COUNTRY
	: VIRUS &	:	:	:	:	
	: RICKETTSIA	: PROTOZOA	: HELMINTHS	: OTHER	:	
<i>ANOPHELES</i>						
<i>hyrcanus</i>			Filariasis	70	143	
var. <i>nigerrimus</i>				76 +		
Giles						
		Malaria		76	158	
				143	190	
				144	337	
<i>hyrcanus</i>		Malaria		256 +	345	
<i>pseudopictus</i>						
Grassi						
<i>hyrcanus</i>			Filariasis		76 (Hsiao 1946)	
var. <i>sinensis</i>						
Wiedemann		Malaria		59	158 (Yamada 1925)	
				76	168	
				77	337	
				144		
			Nocturnal filariasis	139	158	
			<i>Wuchereria bancrofti</i>		76 (Feng 1935)	
<i>jeyporiensis</i>		Malaria		59	139	
James				76	144	
			<i>Wuchereria malayi</i>		144 (Raghavan 1961)	
<i>jeyporiensis</i>			Filariasis		76 (Feng 1935)	
var. <i>candidiensis</i>						
Koidzumi		Malaria		59	144	
				76	235	
				143		
			Nocturnal filariasis		139	
			<i>Wuchereria bancrofti</i>		139 (Raghavan 1961)	
<i>kochi</i>				144	190	
Dönitz						
<i>labranchiae</i>		Malaria		194	353	
<i>atroparvus</i>				256		
van Thiel						

TABLE 2 - MOSQUITOES (continued)

SPECIES	DISEASE OR DISEASE ORGANISM					COUNTRY
	: VIRUS & :	: PROTOZOA :	: HELMINTHS :	: OTHER :		
	: RICKETTSIA :					
ANOPHELES						
letifer		Malaria				190
Sandoshan						
leucosphyrus		Malaria			59	144
Dönitz					76 +	145
					143	337
leucosphyrus						
balabacensis		Malaria				145
Baisas						
leucosphyrus		Malaria			145	242
leucosphyrus					190	
Dönitz						
ludlowae		Malaria			143	280 +
Theobald					145	337 +
					190 +	
			Nocturnal			
			filariasis			146
ludlowi		Malaria			11	277
sundaicus					144	337
Rodenwaldt					190	
			Nocturnal			
			filariasis			143
maculatus		Malaria			59	190
Theobald					76	242
					139	277
					143	280
					144	337
			Nocturnal			
			filariasis			145
maculatus		Malaria			150	190
maculatus						
Theobald						
maculatus		Malaria				235 +
willmori						
Theobald						
maculipalpis		Malaria			143	144
Giles						

TABLE 2 - MOSQUITOES (continued)

SPECIES	DISEASE OR DISEASE ORGANISM					COUNTRY
	VIRUS & RICKETTSIA	PROTOZOA	HELMINTHS	OTHER		
<i>ANOPHELES</i> <i>maculipalpis</i> var. <i>indiensis</i> Theobald		Malaria				76
<i>maculipennis</i> Meigen		Malaria			35 + 150 151 154 + 159 +	302 + 303 + 317 + 321
		<i>Plasmodium</i> <i>vivax</i>				35 (Russell 1956)
<i>maculipennis</i> <i>messeae</i> Falleroni		Malaria			166	321
<i>maculipennis</i> <i>sacharovi</i> Lavre		Malaria			150 + 303 +	326 + 342 +
<i>maculipennis</i> <i>subalpinus</i> Hackett & Lewis		Malaria				150 +
<i>manqyanus</i> (Banks)		Malaria				242
<i>messeae</i> Falleroni		Malaria			76	294
<i>minimus</i> Theobald		Filariasis				76 (Feng 1935)
		Malaria			59 + 76 77 139 143 144 147 +	158 168 185 235 242 277 366
		Nocturnal filariasis			139	144 (Manson- Bahr 1959)
<i>minimus</i> <i>flavirostris</i> (Ludlow)		Malaria			242	337
		<i>Plasmodium</i> <i>vivax</i>				242

TABLE 2 - MOSQUITOES (continued)

SPECIES	DISEASE OR DISEASE ORGANISM					COUNTRY
	: VIRUS & : RICKETTSIA	: PROTOZOA	: HELMINTHS	: OTHER	:	
<i>ANOPHELES</i>						
<i>minimus</i>			<i>Wuchereria</i>			
<i>flavivirostris</i>			<i>bancrofti</i>			242
(Ludlow)						
(cont.)						
<i>minimus</i>						
<i>minimus</i>		Malaria		59	143	
Theobald				76	144	
				77		
<i>multicolor</i>		Malaria				342
Camboulin						
<i>nigerrimus</i>		Malaria		59 +	149 +	
(Giles)				146 +		
<i>novumbrosus</i>		Malaria				190
Strickland						
<i>pallidus</i>		Malaria				143
Theobald						
			Nocturnal filariasis			143 (Manson- Bahr 1959)
			<i>Wuchereria</i>			
			<i>bancrofti</i>			143 (Raghavan 1961)
<i>pattoni</i>		Malaria		76	158	
Christophers				144	194 +	
<i>pharoensis</i>		Malaria		154	159	
Theobald						
<i>philippinensis</i>			Filariasis			143 (Iyengar 1956)
Ludlow						
		Malaria		143	366	
				235		
<i>plumbeus</i>		Malaria		256 +	350	
Stephens				345		
<i>pulcherrimus</i>		Malaria		151	318	
Theobald				162 +	326 +	
				256	345	
				303 +		
<i>punctulatus</i>		Malaria				147
Dönitz						

TABLE 2 - MOSQUITOES (continued)

SPECIES	DISEASE OR DISEASE ORGANISM					COUNTRY
	: VIRUS & : RICKETTSIA	: PROTOZOA	: HELMINTHS	: OTHER	:	
<i>ANOPHELES</i>						
<i>punctulatus</i>		Malaria				147
<i>moluccensis</i>						
Swellengrebel & Swell. de Graaf						
<i>sacherovi</i>		Malaria			3	256
Favre					150	302
					151	303 +
					154	317
					159	342
					174 +	
<i>sergenti</i>		Malaria			150 +	233
Theobald					154	302
					159	342
<i>sinensis</i>		Malaria			76	158
Wiedemann					77	168
					139	185
					144	257
					149	
		<i>Plasmodium</i>				
		<i>vivax</i>				168 (Hsiao 1948)
<i>stephensi</i>		Malaria			25	150
Liston					37	151
					143	235
		Nocturnal filariasis				143 (Manson- Bahr 1959)
<i>stephensi</i>		Malaria				143
<i>mysorensis</i>						
Sweet & Rao						
<i>subpictus</i>		Malaria			145	190 +
Grassi					147 +	337 +
		Nocturnal filariasis			143	146
		<i>Wuchereria</i> <i>bancrofti</i>				143 (Raghavan 1961)
						145 (Wilcocks 1944)
						146 (Raghavan 1961)
<i>subpictus</i>		Nocturnal filariasis				143
<i>rossi</i>						
Giles						

TABLE 2 - MOSQUITOES (continued)

SPECIES	DISEASE OR DISEASE ORGANISM					COUNTRY
	: VIRUS & : RICKETTSIA	: PROTOZOA	: HELMINTHS	: OTHER	:	
<i>ANOPHELES</i>						
<i>sundaicus</i>		Malaria			11	224
(Rodenwaldt)					59	235
					143	277
					144	337
					146	366
					190	
			<i>Wuchereria</i>			
			<i>bancrofti</i>			143 (Raghavan 1961)
						145
						146 (Raghavan 1961)
						148
<i>superpictus</i>		Malaria			3	235
Grassi					150	302
					151	303 +
					154	326 +
					159	345 +
					174	
		<i>Plasmodium</i>				
		<i>vivax</i>				3 (Russell 1956)
						35
<i>tessellatus</i>		Malaria				191
Theobald						
			Nocturnal			
			filariasis			146
<i>turkhudi</i>		Malaria				150 +
Liston						
<i>umbrosus</i>		Malaria			76 +	149 +
Theobald					145	190
					147	
<i>vagus</i>		Malaria			144	337 +
Dönitz						
			Nocturnal			
			filariasis			146
<i>vagus</i>		Malaria				143
<i>vagus</i>						
Dönitz						
<i>vanus</i>		Malaria				145
Walker						
<i>varuna</i>		Malaria				143
Iyengar						

TABLE 2 - MOSQUITOES (continued)

SPECIES	DISEASE OR DISEASE ORGANISM					COUNTRY
	VIRUS & RICKETTSIA	PROTOZOA	HELMINTHS	OTHER		
<i>CULEX</i>						
<i>alis</i>			Nocturnal			
Theobald			filariasis			145
<i>annulirostris</i>			Nocturnal			
Skuse			filariasis			145
<i>bitaeniorhynchus</i>			Nocturnal			
Giles			filariasis			158
<i>fatigans</i>			Filariasis			76+(Farner et al 1946)
Wiedemann						144
		Malaria				242 (Haughwout 1918)
			<i>Wuchereria</i>			
			<i>bancrofti</i>	76		190
				143		242
				145		
<i>fuscescens</i>			Nocturnal			
Theobald			filariasis			145
<i>microannulatus</i>			Nocturnal			
Theobald			filariasis			143
<i>pallidothorax</i>			Nocturnal			
Theobald			filariasis			76
<i>pipiens</i>			<i>Wuchereria</i>			
Linnaeus			<i>bancrofti</i>			76
<i>pipiens</i>			Nocturnal			
<i>fatigans</i>			filariasis	70		144
Wiedemann				76		145
				139		146
				143		242
<i>pipiens</i>			Filariasis	76		158
<i>pallens</i>				146		
Coquillett						
		Japanese "B"				
		encephalitis				194
			<i>Wuchereria</i>			
			<i>bancrofti</i>			76 (Wharton 1957)

TABLE 2 - MOSQUITOES (continued)

SPECIES	DISEASE OR DISEASE ORGANISM						COUNTRY			
	:	VIRUS &	:	:	:	:				
	:	RICKETTSIA	:	PROTOZOA	:	HELMINTHS		:	OTHER	:
<i>Culex</i>										
<i>quinquefasciatus</i>										76 (Hsiao 1945)
Say										
<i>sinensis</i>										
Theobald										158
<i>tipuliformis</i>										
Theobald										158
<i>tritaeniorhynchus</i>	Japanese "B"									
Giles	encephalitis								150 +	194
									158	256
	Summer									
	encephalitis								158	256 (Gutzevich 1943)
<i>vishnui</i>										
Theobald										145
<i>whitmorei</i>										
(Giles)									145	158
MANSONIA										
<i>annulifera</i>										70
(Theobald)										
<i>dixes</i>										
(Schiner)									190	337
<i>indiana</i>										
Edwards										70
					</					

TABLE 2 - MOSQUITOES (conclusion)

SPECIES	DISEASE OR DISEASE ORGANISM					COUNTRY
	VIRUS & RICKETTSIA	PROTOZOA	HELMINTHS	OTHER		
<i>MANSONIA</i> <i>longipalpis</i> (van der Wulp)			<i>Wuchereria</i> <i>malayi</i>		190 (Wharton 1957)	
			<i>Wuchereria</i> <i>malayi</i>		190	
<i>uniformis</i> (Theobald)			Rural filariasis		70	
			Filariasis		77 +	
			Filariasis		190 (Wharton 1952)	
			<i>Wuchereria</i> <i>malayi</i>		190	
<i>MYZOMIA</i> <i>sergenti</i> Theobald		Malaria			342	
<i>STEGOMYIA</i> <i>argentea</i> Poiret		Malaria			144	
<i>fasciata</i> Fabricius	Dengue				143 317	
	Yellow fever				143 (Barraud 1955)	

LITERATURE CITED

- Abraham, A.C. & R.D. Samuels
1944. Epidemiology of malaria in the Nizamsagar Ayacut area, Nizamabad District, Hyderabad State. J. Malar. Inst. India 5(3):305-318.
- Achundow, J.
1932. Zur Frage der Biologie und das Vorkommen von *Stegomyia fasciata* in Baku (Aserbeidschan, U.S.S.R.). Arch. Schiffs- u. Tropenhyg. 36(1):31-33.
- 1935. Die Entdeckung des *Anopheles bifurcatus* Linne 1758 auf der Halbinsel Apscheron. Arch. Schiffs- u. Tropenhyg. 39(10):409-412. (Abstract used).
- Acton, W.H.
1919. A study of the distribution of Bagdad boils on the body made with a view to discover the transmitting agent. Indian J. med. Res. 6(3):262-274.
- Adhikari, A.K.
1929. *A. aitkenii* James in Vizagapatam Agency, Madras Presidency. Indian J. med. Res. 17(1):214-215.
- Adisubramaniam, T.S. & J.C. Vedamanikkam
1943. The relationship between the breeding places of *A. fluviatilis* and human dwellings and its significance in limiting the scope of antilarval measures. J. Malar. Inst. India. 5(1):53-58.
- Adrien, C.
1918. Dengue méditerranéenne observée à l'Ile Rouad (Syrie). Etude des conditions locales de reproduction des insectes dans cette Ile. Arch. Méd. Pharm. nav. 105(4):275-307. (Abstract used).
- Afridi, M.K.
1939. *Aedes* survey of Hog Island (Abstract). J. Malar. Inst. India. 2(1):113-114.
- & S.A. Majid
1938. Malaria in Bahrein Islands (Persian Gulf). J. Malar. Inst. India. 1(4):427-472.
- & V. Prasad
1940. Observations on the range of dispersion of *Culex fatigans* and its infiltration into the Delhi Urban Area. Part II. J. Malar. Inst. India. 3(1):143-152.
- Ananyan, S.A.
1929. Sur la biologie d'*Anopheles pseudopictus* Grassi en l'ouezd d'Etchmiadsine en Arménie et sur la lutte conduite contre les moustiques hibernants. Russ. J. trop. Med. 7(6):425-428. (Abstract used).
- 1929a. Essai de destruction des larves d'*Anopheles* dans les rizieres et l'application de l'irrigation discontinue. Russ. J. trop. Med. 7(1):47-55. (Abstract used).
- 1930. Données préliminaires sur la parasitologie du paludisme en Arménie. Rev. Microbiol., Saratov. 9(2):231-235. (Abstract used).
- 1930a. The experiment of interrupted irrigation of rice fields, as a control measure against malaria in Armenia in 1928. Trop. Medits. Vet. 8(8-9):39-47. (Abstract used).
- Anazawa, K.
1931. Experimental studies on the susceptibility to infection of Anopheline mosquitoes of Formosa. J. med. Ass. Formosa. 30:269-285, 381-393, 531-542, 609-632. (Abstract used).

Annandale, N. & S. Kemp

1916. Fauna of the Chilka Lake: - Aquatic and marginal insects. Mem. Indian Mus. 5:177-188.

Anonymous

1915. The *Stegomyia* survey in Hong Kong. Bull. ent. Res. 6:67-68.

- 1915a. The reports of the malaria expeditions in 1904 and 1905. The work of the commission for the study of malaria in Russia. p. 17-218. (Abstract used).

1916. Mosquitoes and malaria in Formosa. J. med. Soc., Formosa. no. 167. 803-808. (Abstract used).

1929. Investigations on malaria and its control. Rep. Dept. Hlth Palestine, 1928. p. 28-35 & 92-99. (Abstract used).

1930. Investigations on malaria and its control. Rep. Dept. Hlth Palestine 1929. p. 29-35 & 96-102. (Abstract used).

1934. Principaux travaux d'entomologie médicale en Indochine de 1900-1935 (sauf les travaux concernant les anopheles et le paludisme qui font l'objet d'une bibliographie spéciale). Arch. Inst. Pasteur Indochine. no. 19. 371-375. (Abstract used).

1941. A review of the control of malaria in Palestine (1918-1941). Jerusalem, Dep. Hlth Palestine. 40 p. (Abstract used).

1944. Medical and sanitary data on Kamchatka. War Dep. tech. Bull. med. 46. 19 p.

- 1944a. Medical and sanitary data on Turkey. War Dep. tech. Bull. med. 64. 24 p.

- 1944b. Medical and sanitary data on Khabarovsk Krai and Maritime Krai (Far Eastern Territory) U.S.S.R. (excluding Kamchatka Oblast). War Dep. tech. Bull. med. 88. 39 p.

- 1944c. Medical and sanitary data on Palestine and Trans-Jordan. War Dep. tech. Bull. med. 126. 45 p.

- 1944d. Medical and sanitary data on the Levant States (Greater Syria). War Dep. tech. Bull. med. 128. 19 p.

1945. Medical and sanitary data on Southeastern China. War Dep. tech. Bull. med. 171. 94 p.

- 1945a. Medical and sanitary data on Irkutsk and Chita Oblasts, and the Yakut and Buryat-Mongolian Autonomous Republics. War Dep. tech. Bull. med. 209. 40 p.

1946. Medical and sanitary data on Manchuria. War Dep. tech. Bull. med. 216. 85 p.

Anonymous

- 1946a. Medical and sanitary data on Northeastern China. War Dep. tech. Bull. med. 220. 119 p.

Apriamov, G.G.

1930. Zur Biologie der *Anopheles maculipennis* Meig. und *A. bifurcatus* L. im Rayon der Stadt Wladikawkas. Trav. Sta. biol. Caucase. N. 3(1-3):145-154. (Abstract used).

Arar, A. & S. Atamanoglu

1938. La lutte anti-paludéenne en Turquie. Acta Conv. ter. trop. Malar. Morb. 2:253-261.

Austen, E.E.

1919. Anti-mosquito measures in Palestine during the campaigns of 1917-1918. Trans. R. Soc. trop. Med. Hyg. 13(4):48-60.

1921. A contribution to knowledge of the blood-sucking Diptera of Palestine, other than Tabanidae. Bull. ent. Res. 12(2):107-124.

1925. A contribution to knowledge of the blood-sucking Diptera of the Dardanelles. Bull. ent. Res. 16(1):23 p.

Bailly-Choumara, H.

1960. Une espèce nouvelle d'anophèle du Golfe d'Aden. *Anopheles* (*Myzomyia* *azaniae*) (Diptera, Culicidae). Notes morphologiques, systématiques et écologiques. Bull. Soc. Pat. exot. 53(3):531-542.

Baisas, F.E.

1931. The *barbirostris-hyrcanus* group of the Philippine *Anopheles*. Philipp. J. Sci. 44(4):425-448.

1935. Notes on Philippine mosquitoes, II. *Uranotaenia* group. Philipp. J. Sci. 57(1):63-80.

- 1935a. Notes on Philippine mosquitoes, III. Genus *Culex*: groups *Lophoceratomyia*, *Mochthogenes*, and *Neoculex*. Philipp. J. Sci. 57(2):167-179.

1939. Malaria in Southern Abra. Mon. Bull. Bur. Philipp. Hlth Serv. 19(10):393-406.

. & S.M.K. Hu

1936. *Anopheles hyrcanus* var. *sinensis* of the Philippines and certain parts of China, with some comments on *Anopheles hyrcanus* var. *nigerrimus* of the Philippines. Mon. Bull. Bur. Philipp. Hlth Serv. 16(6):205-242.

. & A. Ubaldo-Pagayon

1952. Notes on Philippine mosquitoes, XVI. Genus *Tripteroides*. Institute of Science and Technology, Monograph #2. 198 p.

Balkashina, E.I.

1939. La faune de Culicinae de la région du Kazakhstan méridional. Med. Parasit., Moscow. 8(5):19-38. (Abstract used).

Bana, F.D.

1943. A note on the adaptability of *Anopheles stephensi* to breed in salt water in Bombay; with some observations on larvivorous fish. J. Malar. Inst. India. 5(1):123

Banks, C.S.

1919. The bloodsucking insects of the Philippines. Philipp. J. Sci. 14(2):169-189.

Barnes, M.E.

1923. Notes on the Anopheline mosquitoes of Siam. Amer. J. Hyg. 3(2):121-126.

- 1923a. Anopheline mosquitoes, with special reference to the species found in Siam. J. nat. Hist. Soc. Siam. 6(1):65-79.

Barnett, H.C. & S. Toshioka

1951. The bloodsucking insects, mites and ticks of Korea and their relation to disease transmission. 406th Med. Gen. Lab. APO 500. 25 p.

Barraud, P.J.

1920. Notes on some Culicidae collected in Lower Mesopotamia. Bull. ent. Res. 10(3):323-325.

1921. Mosquitoes collected in Palestine and adjacent territories. Bull. ent. Res. 11(4):387-395.

1923. Some new Culicine mosquitoes found in India, and a note on *Finlaya assamensis* (Theo.). Bull. ent. Res. 13(4):405-408.

- 1923a. A revision of the Culicine mosquitoes of India. Parts III, IV, and V. Indian J. med. Res. 11(1):214-228.

- 1923b. A revision of the Culicine mosquitoes of India. Parts VI & VII. Indian J. med. Res. 11(2):475-506.

- 1923c. Two new species of *Culex* (Diptera, Culicidae) from Assam. Indian J. med. Res. 11(2):507-509.

- 1923d. A revision of the Culicine mosquitoes of India. Part I. Indian J. med. Res. 10(3):772-788.

- 1923e. A revision of the Culicine mosquitoes of India. Part II. The larvae of some Indian species of *Culex*. Indian J. med. Res. 10(4):934-943.

1924. A new mosquito from Kashmir and the North-West Frontier Province. Indian J. med. Res. 12(1):73-74.

- 1924a. A revision of the Culicine mosquitoes of India. Part VIII. Further description of Indian species of *Finlaya* Theo. Indian J. med. Res. 11(3):845-866.

- 1924b. A revision of the Culicine mosquitoes of India. Parts IX-XIII. Indian J. med. Res. 11(4):971-976, 977-978, 979-998, 1259-1274 & 1275-1282.

- 1924c. A new mosquito from Kashmir. Indian J. med. Res. 9(3):967-968.

- 1924d. A revision of the Culicine mosquitoes of India. Parts XIV-XVI. Indian J. med. Res. 12(1):15-22, 39-46 & 139-143.

- 1924e. A revision of the Culicine mosquitoes of India. Part XVII. Indian J. med. Res. 12(2):427-434.

Barraud, P.J.

1924f. Four new mosquitoes from the Western Himalayas. *Indian J. med. Res.* 11(4):999-1006.

1926. A revision of the Culicine mosquitoes of India. Part XVIII. The Indian species of *Uranotaenia* and *Harpagomyia*, with descriptions of five new species. *Indian J. med. Res.* 14(2):331-350.

1927. A revision of the Culicine mosquitoes of India. Part XIX. The Indian species of *Aedomyia* and *Orthopodomyia* with descriptions of two new species. Part XX. The Indian species of *Armigeres* (including *Leicesteria*) with descriptions of two new species. Part XXI. Descriptions of new species of *Aedimorphus* and *Finlaya*, and notes on *Stegomyia albolineata* (Theo.). Part XXII. The Indian species of the genus *Taeniorhynchus* (including *Mansonioides*), with a description of one new species. *Indian J. med. Res.* 14(3):523-563.

1928. A revision of the Culicine mosquitoes of India. Part XXIII. The genus *Aedes* (*sens. lat.*) and the classification of the subgenera. Descriptions of the Indian species of *Aedes* (*Aedimorphus*), *Aedes* (*Ochlerotatus*) and *Aedes* (*Banksinella*) with notes on *Aedes* (*Stegomyia*) *variegatus*. *Indian J. med. Res.* 15(3):653-669.

1928a. A revision of the Culicine mosquitoes of India. Part XXIV. The Indian species of the subgenera *Skusea* and *Aedes*, with descriptions of eight new species, and remarks on a new method for identifying the females of the subgenus *Aedes*. *Indian J. med. Res.* 16(2):357-375.

1928b. The distribution of *Stegomyia fasciata* in India, with remarks on dengue and yellow fever. *Indian J. med. Res.* 16(2):377-388.

1929. A revision of the Culicine mosquitoes of India. Part XXV. The genera *Mucidus*, *Mimomyia*, *Ficalbia*, *Rachionotomyia* and *Hodgesia*. *Indian J. med. Res.* 16(4):1052-1063.

1929a. A revision of the Culicine mosquitoes of India. Part XXVI. The genera *Heizmannia*, *Haemagogus*, *Topomyia* and *Megarhinus*. *Indian J. med. Res.* 17(1):259-280.

1931. Notes on some Indian mosquitoes of the subgenus *Stegomyia*, with descriptions of new species. *Indian J. med. Res.* 19(1):221-228.

1931a. Descriptions of eight new species of Indian Culicine mosquitoes. *Indian J. med. Res.* 19(2):609-616.

1932. The early stages of some Indian mosquitoes: *Orthopodomyia*. *Indian J. med. Res.* 19(4):1013-1017.

1934. Family Culicidae. Tribes Megarhinini and Culicini. *Fauna Brit. India, Dipt.* 5:463 p.

. & S.R. Christophers

1931. On a collection of Anopheline and Culicine mosquitoes from Siam. *Rec. Malar. Surv. India.* 2(2):269-285.

Basu, B.C.

1943. Laboratory studies on the infectivity of *Anopheles annularis*. J. Malar. Inst. India. 5(1):31-51.

— & S. Sundar Rao

1939. Studies on filariasis transmission. Indian J. med. Res. 27(1):233-249.

Bedford, G.A.H.

1928. South African mosquitoes. Rep. vet. Res. S. Afr. part 2. 881-990.

Bedia Bali

1938. Über *Aedes caspius* Pall. in der Türkei. Arb. physiol. angew. Ent. Berl. 5(1):44-49.

Beklemishev, V.N. & A.A. Gontaeva

1943. Anophelogenous landscapes of North-West Iran. Med. Parasit., Moscow. 12(5):17-32.

— & Y.U. Mitrofanova

1926. On the ecology of the larvae of *Anopheles maculipennis*, Meig.: The problem of distribution. 4(7):285-332.

— & A.N. Zhelokhovtzev

1937. La répartition géographique d'*Anopheles maculipennis* Meig. et de ses sous-espèces dans l'URSS. Med. Parasit., Moscow. 6(6):819-835. (Abstract used).

— & —

1945. Les aires de plusieurs espèces d'*Anopheles* de l'URSS et les facteurs dont elles dépendent. Byull. mosk. Obshch. Ispyt. Priir. 50(1-2):56-73. (Abstract used).

—, A. Bryukhanova & N. Shipitsuina

1931. Les prémisses de l'épidémiologie et de la prophylaxie du paludisme à Magnitogorsk. (D'après les observations de 1930). Magnitogorsk, Commiss. Sante. 51 p. (Abstract used).

Belkin, J.N.

1953. Mosquitoes of the genus *Uranotaenia* in the Solomon Islands (Diptera: Culicidae). Pacif. Sci. 7:312-391.

Berberian, D.A.

1946. The species of Anopheline mosquitoes found in Syria and Lebanon. Their habits, distribution and eradication. J. Palest. Arab. med. Ass. 1(5):120-146.

Bezzi, M.

1913. Studies in Philippine Diptera, I. Philipp. J. Sci. 8(4):305-332.

Bick, G.H.

1949. Notes on mosquitoes from Leyte, Philippine Islands (Diptera, Culicidae). Nat. Hist. Misc. no. 41. 7 p.

Blagoveshchenskii, D.I., N.G. Bregetova & A.S. Monschadskii

1943. Activity in mosquito attacks under natural conditions and its diurnal activity periodicity. Zool. Zh. 22(3):138-153.

Bodenheimer, F.S.

1937. Prodomus Faunae Palaestinae. Essai sur les éléments zoogéographiques et historiques du sud-ouest du sous-règne paléarctique. Arachnoidea. Mem. Inst. egypt. 33:235-246.

Bogojawlenski, N.A.

1933. Die Malaria in Distrikt Kasach (Aserbajdschan) nach langjähriger Beobachtung. Arch. Schiffs- u. Tropenhyg. 37(1):19-28.

Bohart, R.M.

1945. A synopsis of the Philippine mosquitoes. Nav. med. Bull. 580, Wash. 88 p.

1946. A key to the Chinese Culicine mosquitoes. Nav. med. Bull. 961, Wash. 23 p.

. & D.S. Farner

1944. New Culicine mosquitoes from the Philippine Islands (Diptera, Culicidae). Proc. biol. Soc. Wash. 57:69-72.

. & R.L. Ingram

1946. Mosquitoes of Okinawa and Islands in the central Pacific. Nav. med. Bull. 1055, Wash. 110 p.

Bonne-Wepster, J.

1930. The genus *Taeniorhynchus* (Arribalzaga) in the Dutch East Indies. Meded. Dienst Volksgezondh. Ned.-Indië. 19(2):196-212.

1930a. Het geslacht *Taeniorhynchus* Arribalzaga in N.O.I. Tweede gedeelte. Geneesk.-Tijdschr. Ned.-Indië. 71(3):260-276.

1934. New mosquitoes (Dipt.) from the Netherlands Indies. Stylops. 3(12):272-276.

1937. Een nieuwe gastheerplant voor de larve van *Mansonia* (*Mansonioides*) *uniformis* Theo. Geneesk.-Tijdschr. Ned.-Indië. 77(17):1055-1056.

1939. Notes on mosquitoes from the Netherlands Indies. Two new *Mansonia* larvae from Borneo. Meded. Dienst Volksgezondh. Ned.-Indië. 28(1):11-13.

. & N.H. Swellengrebel

1953. The Anopheline mosquitoes of the Indo-Australian Region. Dept. trop. Hyg. & geog. Path. of the Roy trop. Inst., Amsterdam. 504 p.

Borel, E.

1930. Sur les mœurs des *Anopheles* en Cochinchine. Trans. 7th Cong. Far East Ass. trop. Med. 3:169-171.

1930a. Les moustiques de la Cochinchine et du Sud-Annam. Coll. Soc. Pat. exot. Monog. 3:423 p.

Borel, M.

1926. Note préliminaire sur les moustiques de Cochinchine et du Sud Annam (Massif du Langbian). Bull. Soc. Pat. exot. 19(6):472-479.

1926a. Resultats d'une enquête épidémiologique et entomologique à Yaback (Annam). Bull. Soc. Pat. exot. 19(9):845-852.

1926b. Paludisme en Cochinchine. Resultats de mesures prophylactiques à la plantation de Suzannah (11 au 13 aout 1926). Bull. Soc. Pat. exot. 19(9):811-815.

1926c. Anopheles et paludisme dans la région de Chaudoc (Cochinchine). Resultats d'une enquête faite du 16 au 21 janvier 1926. Bull. Soc. Pat. exot. 19(9):806-811.

- Borel, M.
1927. Enquête entomologique et épidémiologique à Can-Tho et Bac-Lieu (Cochinchine). Bull. Soc. Pat. exot. 20(10):974-976.
- 1927a. Résultats d'une enquête malarialogique à Dalat (Cochinchine). Bull. Soc. Pat. exot. 20(5):427-434.
1928. Enquête malarialogique à la station d'essai de Giaray (Cochinchine). Bull. Soc. Pat. exot. 21(4):312-314.
- Boumeester, J.E.
1934. Malariabestrijding te Dabo (Singkep). Geneesk. Tijdschr. Ned.-Indië. 74(19):1209-1218.
- Boyd, M.F. ed.
1949. Malariaology. A comprehensive survey of all aspects of this group of diseases from a global standpoint. 2 vols. W.B. Saunders Co., Philadelphia, Pa. 1643 p.
- Bozhenko, V.P.
1937. On the role of the mosquitoes, *Culex apicclis* Ad., as carriers and transmitters of Tularaemia. Rev. Microbiol., Saratov. 15(3-4):445-449.
- Bras de Sá, J.L.
1919. A fauna anofelina da India Portuguesa (2a. Comunicação). Bol. ger. Med., N.Goa. Ser. V, no. 8. 290-294.
- Breev, K.A.
1950. The behaviour of blood-sucking Diptera and bot-flies when attacking reindeer and the responsive reactions of the reindeer. 1. The behaviour of blood-sucking Diptera and bot-flies when attacking reindeer. Parazit. Sb. 12:167-198.
- Bregetova, N.G.
1946. Activity in attacking man and the day rhythm of *Aedes caspius caspius* (Pall.) Edw. and *Aedes vexans* Meig. as observed under natural conditions of South Tadzhikistan. Bull. Acad. Sci. URSS Sér. biol. no. 2-3. 251-279. (Abstract used).
- Brodski, A.L.
1923. On the biology of the genus *Anopheles* (Investigations in rice fields). Bull. Univ. Asië cent. no. 1. 7-10. (Abstract used).
- Brug, S.L.
1924. Notes on Dutch-East-Indian mosquitoes. Bull. ent. Res. 14(4):433-442.
1925. Aanteekeningen omtrent Muskieten (III). Geneesk. -Tijdschr. Ned.-Indië. 65(5):661-671.
1931. Filariasis in Nederlandsch-Indië, III. Geneesk.-Tijdschr. Ned.-Indië. 71(3):210-240.
- 1931a. Culiciden der Deutschen Limnologischen Sunda-Expedition. Arch. Hydrobiol, Supp.-Bd. 9, Trop. Binnengewässer, 2. 1-42.
- 1931b. Filariasis in the Dutch East Indies. Proc. roy. Soc. Med. 24:23-33.

Brug, S.L.

1931c. New Culicidae from Sumatra. *Tijdschr. Ent.* 74(2-3):245-250.

1932. Notes on Dutch East Indian mosquitoes. *Bull. ent. Res.* 23(1):73-83.

1934. Culicidae, collected from *Nepenthes* in Borneo. *Natuurh. Maandbl.* 23(11):149-150.

1937. De vooruitzichten van filaria-bestrijding in Ned.-Indië. *Geneesk. - Tijdschr. Ned.-Indië.* 77(50):3202-3206.

1939. Notes on Dutch East-Indian mosquitoes. *Tijdschr. Ent.* 82(1-2):91-113.

& H. de Rook

1930. Filariasis in Ned.-Indië. II. De overbrenging van *Filaria malayi*. *Geneesk. Tijdschr. Ned.-Indië.* 70(5):451-474.

& F.W. Edwards

1931. Fauna Sumatrensis. (Bijdrage Nr. 68), Culicidae (Diptera). *Tijdschr. Ent.* 74(2-3):251-261.

Brunetti, E.

1917. Diptera of the Simla District. *Rec. Indian Mus.* 13(2):59-101.

Burke, M.R.

1937. Antimalaria report upon the proposed Cantonment site at Kau Lung Tsai. *J.R. Army med. Cps.* 69(1-2):1-15 & 84-100.

Buxton, P.A.

1922. On fish and mosquitoes in Palestine. *Bull. ent. Res.* 13(2):203-204.

1923. Anopheles larvae from Palestine and elsewhere. *Bull. ent. Res.* 14(1):75-82.

1924. A key to the fourth stage *Anopheles* larvae of Palestine (Dipt.). *Bull. Soc. ent. Egypte.* 16:45-50.

1924a. Applied entomology of Palestine, being a report to the Palestine Government. *Bull. ent. Res.* 14(3):289-340.

1944. Rough notes: *Anopheles* mosquitoes and malaria in Arabia. *Trans. R. Soc. trop. Med. Hyg.* 38(3):205-214.

Cabrera, B.D. & L.E. Rozeboom

1964. Filariasis in Palawan, Philippine Islands. *Nature, Lond.* 202(4933):725-726.

Carter, H.F.

1925. The Anopheline mosquitoes of Ceylon. Part I. The differential characters of the adults and larvae. *Ceylon J. Sci. (D).* 1(2):57-97.

1945. Ceylon Anopheline mosquitoes and malaria. *Ceylon Hlth News.* 12(1):5-8

Carter, H.F.

1948. Records of filaria infections in mosquitoes in Ceylon. *Ann. trop. Med. Parasit.* 42(3-4):312-321.

1950. The genus *Taeniorhynchus* Lynch Arribalzaga (Diptera, Culicidae) with special reference to the bionomics and relation to disease of the species occurring in Ceylon. *Ceylon J. Sci. (B)*. 24(1):1-26.

- 1950a. Ceylon mosquitoes: list of species and names of mosquitoes recorded from Ceylon. *Ceylon J. Sci. (B)*. 24(2):85-115.

Causey, O.R.

1937. Some Anopheline and Culicine mosquitoes of Siam with remarks on malaria control in Bangkok. *Amer. J. Hyg.* 25(2):400-420.

Chagin, K.P.

1948. Activity of mosquitoes in attacking man and its daily rhythm under natural conditions in the Maritime Province. *Ent. Obozr.* 30(1-2):109-123. (Abstract used).

Chaikin, V.I. & S.K. Enikolopov

1935. A short epidemiological description of Daghestan. *Med. Parasit.* 4(1-2):142-147. (Abstract used).

Chalam, B.S.

1927. The possibilities of "Paris Green" as an *Anopheles* larvicide. *Indian J. med. Res.* 14(4):367-873.

Chang, T.L.

1939. Mosquitoes of Hunan Province with special reference to *Anopheles*. *Chin. med. J.* 56(1):52-62.

1940. The Anopheline mosquitoes of Yunnan. Notes on their breeding habits and adult behaviour. *Chin. med. J.* 58(2):218-233.

Chari, M.O.T.

1940. *Armigeres theobaldi* breeding *Curcuma* flowers. *J. Malar. Inst. India.* 3(2-3):263-264.

Chin, Y.T.

1936. On some mosquitoes collected from Manchuria. *Peking nat. Hist. Bull.* 11(1):23-25.

Chow, C.Y.

1949. Observations on mosquitoes breeding in plant containers in Yunnan. *Ann. ent. Soc. Amer.* 42(4):465-470.

- 1949a. The identification and distribution of Chinese Anopheline mosquitoes. *J. nat. Mala. Soc.* 8(2):121-131.

- 1949b. The Anopheline mosquitoes of Taiwan (Formosa), China. *Quart. J. Taiwan Mus.* 2(1):8 p.

- 1949c. Culicine mosquitoes collected in Western Yunnan, China during 1940-1942. *Proc. ent. Soc. Wash.* 51(3):127-136.

1950. Collection of Culicine mosquitoes (Diptera, Culicidae) in Taiwan (Formosa), China, with description of a new species. *Quart. J. Taiwan Mus.* 3(4):281-287.

Chow, C.Y. & M.C. Balfour

1949. The natural infection and seasonal prevalence of *Anopheles* mosquitoes in Chefang and vicinity, Yunnan-Burma border. Chin. med. J. 67(8):405-413.

Christophers, S.R.

1916. A revision of the nomenclature of Indian Anophelini. Indian J. med. Res. 3(3):454-488.

- 1916a. An Indian tree-hole breeding *Anopheles*, *A. barianensis*, James = *A. (Coelodiaesisis) plumbeus*, Haliday. Indian J. med. Res. 3(3):489-496.

- 1916b. A new Anopheline with unspotted wings from Mesopotamia (*Anopheles lukisi*). Indian J. med. Res. 4(1):120-122.

1920. A summary of recent observations upon the *Anopheles* of the Middle East. Indian J. med. Res. 7(4):710-716.

1921. The distribution of mosquitoes in relation to the zoogeographical areas of the Indian Empire. Proc. 4th ent. Mtgs Pusa. p. 205-215.

1924. Some Himalayan and Peninsular varieties of Indian species of *Anopheles*. Indian J. med. Res. 12(1):11-13.

- 1924a. Some further varieties of Indian species of *Anopheles*, with notes on the species *A. pallidus* Theobald and *A. philippinensis* Ludlow. Indian J. med. Res. 12(2):295-301.

- 1924b. Provisional list and reference catalogue of the Anophelini. Indian med. Res. Mem. no. 3. 105 p.

1933. Family Culicidae. Tribe Anophelini. Fauna Brit. India, Dipt. 4. Taylor & Francis, London. 371 p.

. & K. Chand

1915. Notes on some Anophelines from Arabia and Mesopotamia. Indian J. med. Res. 3(1):180-200.

. & .

1916. A tree-hole breeding *Anopheles* from Southern India: *A. (Coelodiaesisis) culiciformis*, Cogill. Indian J. med. Res. 3(4):638-645.

. & W.F. Harvey

1923. Malaria research and preventive measures against malaria in the Federated Malay States and in the Dutch East Indies. Indian J. med. Res. 10(3):759-771.

. & H.E. Shortt

1921. Anti-malaria operations at Busra, 1916-19. Indian J. med. Res. 8(3):571-592.

. & .

- 1921a. Incidence of malaria among troops in Mesopotamia, 1916-19. Indian J. med. Res. 8(3):553-570.

. & .

- 1921b. Malaria in Mesopotamia. Indian J. med. Res. 8(3):508-552.

Chung, H.L. & Y.Y. Lin

1931. Collection of mosquitoes in South China. Lingnan Sci. J. 7:401-407.

Clark, R.H.P. & M.A. Choudhury

1941. Observations on *Anopheles leucosphyrus* in the Digboi Area, Upper Assam. J. Malar. Inst. India. 4(1):103-107.

Colless, D.H.

1948. The Anopheline mosquitoes of north-west Borneo. Proc. Linn. Soc. N.S.W. 73(3-4):71-119.

1957. Notes on the Culicine mosquitoes of Singapore. II. The *Culex vishnui* group (Diptera, Culicidae), with descriptions of two new species. Ann. trop. Med. Parasit. 51(1):87-101.

- 1957a. Notes on the Culicine mosquitoes of Singapore. III. Larval breeding-places. Ann. trop. Med. Parasit. p. 102-116.

Cook, D.R.

1954. Pictorial keys to the mosquitoes of medical importance. VI. Philippine Islands. Mosquito News. 14(2):79-82.

Cooling, L.E.

1924. Seven common species of mosquitoes described for purposes of identification. Commw. Australia Dept. Health, Serv. Pubn. (Trop. Div.). no. 1. 24 p. (Abstract used).

- 1924a. A synonymic list of the more important species of Culicidae of the Australian Region. Australia Dept. Health, Serv. Pubn. (Trop. Div.). no. 2. 61 p.

Covell, G.

1927. A new species of *Anopheles* from Eastern India, *A. (Myzomyia) ramsayi*; with a new description of *A. (Myzomyia) jamesii* Theobald. Indian J. med. Res. 14(4):1019-1025.

1944. Notes on the distribution, breeding places, adult habits and relation to malaria of the Anopheline mosquitoes of India and the Far East. J. Malar. Inst. India. 5(4):399-434.

. & Jaswant Singh

1943. Antimalaria operations in Delhi. Part IV. J. Malar. Inst. India. 5(1):87-106.

Crook, R.L.

1939. Some notes on malaria in Szechwan. Chin. med. J. 55(5):465-478.

Cruickshank, J.A. & R.E. Wright

1914. Filariasis in Cochin. Indian J. med. Res. 1(4):741-785.

D'Abrera, V.St. E.

1944. The eggs of the Ceylon Anopheline mosquitoes. J. Malar. Inst. India. 5(3):337-359.

Dammerman, K.W.

1926. The fauna of Durian and the Rhio-Lingga Archipelago. Treubia. 8:281-326.

Danilova, M.I. & F.A. Buduimko

1938. Les especès de l'*Anopheles* et leur rôle épidémiologique dans la région d'Adyguée (Caucase du Nord). Med. Parasit., Moscow. 7(6):874-877. (Abstract used).

- 1938a. Le rôle épidémiologique de l'*Anopheles maculipennis* Meig. et de l'*Anopheles hyrcanus* Pall. dans les lagunes de la Mer d'Azov. Med. Parasit., Moscow. 7(4):467-500.

- Danilova, M.I. & G.I. Lappin
1937. A propos des especes d'*Anopheles* et des varietes d'*A. maculipennis* dans la region Azov-Mer Noire. Med. Parasit., Moscow. 6(4):546-549. (Abstract used).
- _____. & A.A. Mirzayan
1936. The water factor of the Araxes tract, The SSR of Armenia. Uchen. Zap. perm. gos. Univ. (a). 1(4):65-76. (Abstract used).
- Das, B.K.
1943. Malaria at Chandpur (Bengal). Indian med. Gaz. 78(7):327-330.
- Dassanayake, W.L.P. & C.Y. Chow
1954. The control of *Pistia stratiotes* in Ceylon by means of herbicides. Ann. trop. Med. Parasit. 48(2):129-134.
- Delfinado, M.D.
1966. The Culicine mosquitoes of the Philippines, Tribe Culicini (Diptera, Culicidae). Memoirs of the American Entomological Institute. no. 7. 1-252.
- de Meillon, B.
1947. The Anophelini of the Ethiopian geographical region. Publ. S. Afr. Inst. med. Res. 49:272 p.
- de Mello, F.
1914. Contribution to the study of malaria in Goa. Proc. Third All-India Sanitary Conf., Lucknow. Suppl. to Indian J. med. Res. 4:1-14. (Abstract used).
- _____.
1934. Premiere campagne antimalarienne active a Goa. Arch. Esc. med.-cir. Nova Goa. Ser. B. no. 5. 1025-1211. (Abstract used).
- _____. & P.C. Afonso
1921. First entomological records in Portuguese India. Proc. 4th ent. Mtgs Pusa. p.43-48.
- _____. & L.J. Brás de Sá
1935. Ne purra-t-on faire revivre la "Vieille Goa"? Riv. Malariol. 14(3):273-291.
- _____.
1938. La campagne anti-malarienne dans les régions rurales de l'Inde portugaise. Riv. Malariol. 17(3):208-224.
- Dive, G.H.
1927. Dengue in Aden: A clinical and statistical survey, with an appendix on fevers in Aden. J.R. Army med Cps. 48(4):241-247.
- Dmitriev, I.D. & A.I. Artem'ev
1932. A few data on the survival of the larvae of the malaria mosquito. Med. Parasit., Moscow. 1(5-6):259-261. (Abstract used).
- Dolbeshkin, B.I.
1928. On the occurrence of *Aedes esoensis*, Yam. (Diptera, Culicidae), in Orenburg. C.R. Acad. Sci. U.R.S.S. no. 13. 227-228.
- Doorenbos, W.B.
1931. Eenige ervaringen op malariagebied. Geneesk.-Tijd. Ned.-Indië. 71(18):1458-1478.
- Dubovsk'kii, N.
1930. Notes on bloodsucking Culicidae in the district of Lugansk. Sanit. ent. Byull. 1(3):12-16. (Abstract used).
- Dy, F.J. & R.B. Gapuz
1948. Sporozoites of *Plasmodium* sp. in *Anopheles mangyanus* and oöcysts in *A. kochi*. Acta med. philipp. 4(3):5p.
- Dyar, H.G.
1920. A collection of mosquitoes from the Philippine Islands. Insec. Inscit. menst. 8(10-12):175-186.

Dyar, H.G. & R.C. Shannon

1925. The types of Philippine mosquitoes described by Ludlow and other notes on the fauna (Diptera, Culicidae). Insec. Inscit. nest. 13(4-6):66-89.

Dzhaparidze, P.S.

1937. Dynamique du paludisme en Abkhazie durant les dernieres annees et les voies a suivre pour la liquidation. Med. Parasit., Moscow. 6(6):782-793.

Edwards, F.W.

1912. A synopsis of the species of African Culicidae, other than *Anopheles*. Bull. ent. Res. 3(1):1-53.

- 1912a. A key for determining the African species of *Anopheles* (Sensu Lato). Bull. ent. Res. 3(3):241-250.

1914. On the oriental Culicid genus *Leicesteria*, Theobald. Bull. ent. Res. 4(4):255-263.

- 1914a. New Culicidae from Borneo and Hong Kong. Bull. ent. Res. 5(2):125-128.

1915. Diagnoses of New Bornean Culicidae. Bull. ent. Res. 5(4):283-285.

1916. Eight new mosquitoes in the British Museum collection. Bull. ent. Res. 6(4):357-364.

1917. Notes on Culicidae with descriptions of new species. Bull. ent. Res. 7(3):201-229.

1920. A new *Trichocera* from Siberia (Diptera Poluneura). Ann. Mag. nat. Hist. 5(29):431-432.

1921. Mosquito notes. II. Bull. ent. Res. 12(1):69-80.

- 1921a. H. Sauter's Formosan collections: Culicidae. Ann. Mag. nat. Hist. 8(48):629-632.

- 1921b. A revision of the mosquitoes of the Palaearctic Region. Bull. ent. Res. 12(3):263-351.

1922. On some Malayan and other species of *Culicoides*, with a note on the genus *Lasiohelea*. Bull. ent. Res. 13(2):161-167.

- 1922a. The carriers of *Filaria bancrofti*. J. trop. Med. (Hyg.). 25(12):168-170.

- 1922b. A synopsis of adult oriental Culicine (including Megarhinine and Sabethine) mosquitoes. Part I. Indian J. med. Res. 10(1):249-293.

- 1922c. A synopsis of adult oriental Culicine (including Megarhinine and Sabethine) mosquitoes. Part II. Indian J. med. Res. 10(2):430-475.

1923. Mosquito notes. IV. Bull. ent. Res. 14(1):1-9. (Abstract used).

1924. A synopsis of the adult mosquitoes of the Australasian Region. Bull. ent. Res. 14(4):351-401.

Edwards, F.W.

1925. *Diptera Nematocera from the Dutch East Indies*. *Treubia*. 6(2):154-172.

1926. Mosquito notes. VI. *Bull. ent. Res.* 17(2):101-131 (Abstract used).

1926a. *Diptera Nematocera from the mountains of Borneo*. *Sarawak Mus. J.* 3(10):243-278.

1928. *Diptera Nematocera from the Federated Malay States museums*. *J.F.M.S. Mus.* 14(1):1-139.

1928a. Mosquito notes. VII. *Bull. ent. Res.* 18(3):267-284.

1929. *Philippine Nematoceros Diptera*. II. *Notul. ent., Helsingfors*. 9(1):1-14.

1932. *Diptera. Fam. Culicidae. Gen. Ins., fasc. 194, Brussels*. 258 p.

1934. *Deutsche limnologische Sunda-Expedition. The Simuliidae (Diptera) of Java and Sumatra*. *Arch. Hydrobiol. Suppl.* 13(1):92-138.

1934a. Appendix. In: Barraud, P.J. *Family Culicidae. Tribes Megarhinini and Culicini. Fauna Brit. India, Dipt.* 5:427-453.

1941. *Mosquitoes of the Ethiopian Region. III. Culicine adult and pupae*. London, *Brit. Mus. (N.H.)*. 499 p.

. & D.H.C. Given

1928. The early stages of some Singapore mosquitoes. *Bull. ent. Res.* 18(4):337-357.

Ejercito, A., A.D. Hess & A. Willard

1954. The six-year Philippine-American malaria control program. *Amer. J. trop. Med.* 3(6):871-980.

Enikolopov, S.K.

1930. The water factor and materials for the study of the fauna of mosquitoes in the region of Makhach-Kala. *Trop. Med. Vet., Moscow*. 8(3):23-31. (Abstract used).

1931. Contribution to the ecology of *Anopheles bifurcatus* L. in Daghestan. *Trop. Med. Vet., Moscow*. 9(2):87-89.

1937. Au sujet de l'écologie des *Anopheles algeriensis* Theo. *Med. Parasit., Moscow*. 6(3):354-359. (Abstract used).

Ermolov, A.S.

1914. Report of the committee for the study of malaria in Russia of the society of Russian surgeons in the memory of N.I. Pirogov, on investigations on malaria in Caucasia in 1913. *Moscow*. 40 p.

Etherington, D. & G. Sellick

1946. Notes on the bionomics of *Anopheles sacharovi* in Persia and Iraq. *Bull. ent. Res.* 37(2):191-195.

Evans, A.M.

1930. On certain distinguishing characters observed in *Anopheles funestus* Giles. *Ann. trop. Med. Parasit.* 24(4):587-592.

- Evans, A.H.
1938. Mosquitoes of the Ethiopian Region. II. Anophelini. Adults and early stages. London, Brit. Mus. (N.H.). 404 p.
- Farinaud, E.
1938. Sur la présence en Indochine méridionale d'une espèce anophélienne sylvatique *A. amandalei*. Bull. Soc. Pat. exot. 31(5):390-393.
- Farner, D.S. ed.
1943. Epidemiology of diseases of military importance in the Netherlands Indies, including the identification and distribution of Arthropods of medical importance. Nav. med. Bull. 133, Wash. 250 p.
- _____, R.J. Dicke, G. Sweet, L. Isenhour & T.Y. Hsiao
1946. The distribution of mosquitoes of medical importance in the Pacific Area. Nav. med. Bull. 983, Wash. 64 p.
- Faust, E.C.
1926. An inquiry into the prevalence of malaria in China. Chin. med. J. 40(10): 937-956.
- _____.
1926a. A preliminary check list of the mosquitoes of the Sino-Japanese Areas. Chin. med. J. 40(2):142-143.
- _____.
1929. Mosquitoes in China and their potential relationship to human disease. J. trop. Med. (Hyg.). 32(10):133-137.
- Fedorov, V.G.
1946. Detection of *Culex molestus* Forskal in Leningrad. Med. Parasit., Moscow. 15(2):58-68.
- _____. & V.F. Sivolobov
1935. Über die Rolle der Stechmücken in der Epidemiologie der Tularämie. Rev. Microbiol. 14(1):65-70. (Abstract used).
- Feegrade, E.S.
1929. A note on the Anopheline fauna of a small tank throughout the year. Indian med. Gaz. 64(5):251-252.
- Feng, L.
1932. Investigations of malaria and its transmission in Amoy, Fukien Province, South China. J. trop. Med. (Hyg.). 35(13-14):198-202 & 214-221.
- _____.
1933. Household mosquitoes and human filariasis in Amoy, South China. Chin. med. J. 47(2):168-178.
- _____.
1933a. A comparative study of the anatomy of *Microfilaria malayi* Brug 1927 and *Microfilaria bancrofti* Cobbolt, 1877. Chin. med. J. 47(11-12):1214-1244.
- _____.
1933b. A brief mosquito survey in some parts of Central China. Chin. med. J. 47(11-12):1347-1358.
- _____.
1935. The present status of the knowledge of the mosquitoes of China and their relation to human diseases. Chin. med. J. 49(11):1183-1208.
- _____.
1935a. Notes on some mosquitoes collected from Shantung Province, North China. Chin. med. J. 49:359-365.
- _____.
1936. Malaria and its transmission in Kwangsi, China. Chin. med. J. 50(12):1799-1814.

- Feng, L.
1937. The Anopheline mosquitoes and the epidemiology of malaria in China. Chin. med. J. 51(6):1005-1020.
- _____.
1938. A critical review of the literature regarding the records of mosquitoes in China. Part I. Subfamily Culicinae, tribe Anophelini. Peking nat. Hist. Bull. 12(3):169-181.
- _____. & Yao-T'ing Ch'in
1937. The presence of *Anopheles maculipennis* in certain parts of Manchuria. Chin. med. J. 51(4):496-499.
- Fleming, R.F. & J.M. French
1947. Dengue in Iraq. Trans. R. Soc. trop. Med. Hyg. 40(6):851-860.
- Fletcher, T.B.
1916. Report of the Imperial Pathological Entomologist. Rep. agric. Res. Inst. Pusa. p. 78-84.
- _____.
1917. Report of the Imperial Pathological Entomologist. Rep. agric. Res. Inst. Pusa. p. 91-102.
- _____.
1921. Report of the Imperial Entomologist. Rep. agric. Res. Inst. Pusa. p. 41-59.
- _____.
1923. Pathological Entomology. Rep. agric. Res. Inst. Pusa. p.65-68.
- _____.
1924. Report of the Imperial Entomologist, 1923-24. Rep. agric. Res. Inst. Pusa p. 52-60.
- _____.
1928. Report of the Imperial Entomologist. Pathological Entomology. Rep. agric. Res. Inst. Pusa. p. 63-64.
- _____.
1930. Report of the Imperial Entomologist. Rep. agric. Res. Inst. Pusa. p. 74-75.
- _____.
1932. Report of the Imperial Entomologist. Rep. agric. Inst. Pusa. p. 87-92.
- Flu, P.C.
1926. L'organisation de l'hygiene dans les colonies hollandaises. Acta Leidensia. 1:112-142.
- Fraser, A.D.
1920. Notes on blood-sucking flies in North Russia during the summer of 1919. Bull. ent. Res. 11(3):195-198.
- Galliard, H.
1927. Note sur les Culicinés de Corse. Ann. Parasit. hum. comp. 5(2):97-104.
- _____.
1936. Infestation expérimentale de *Mansonia indiana* Edwards avec les embryons de la filaire de Bancroft, au Tonkin. Ann. Parasit. hum. comp. 14(5):495-496.

Galliard, H.

- 1936a. L'antropophilie de *Culex fatigans* au Tonkin. Bull. Soc. Pat. exot. 29(5):517-518.

1938. Recherches sur la transmission de *Filaria bancrofti* et *F. malayi* au Tonkin (note préliminaire). Acta Conv. ter. trop. Malar. Morb. 1:228-229.

1939. Culicidés du Yunnan (Chine). Ann. Parasit. hum. comp. 17(3):261

1947. Développement des microfilaires de *Filaria malayi* chez *Aedes (S.) aegypti* et *Aedes (S.) albopictus*. C. R. Soc. Biol., Paris. 141(3-4):105-106.

. & D.V. Ngu

1950. Culicides du Tonkin. III. Culicides de la Baie d'Along. Ann. Parasit. hum. Comp. 25(1-2):61-68.

Garms, R.

1960. Insektizidresistenz bei *Anopheles*. Z. Tropenmed. u. Parasit. 11(8):353-388.

Garrett-Jones, C.

1962. The possibility of active long-distance migrations by *Anopheles pharaoensis* Theobald. Bull. World Hlth Org. 27(2):299-302.

Gaschen, H.

1935. Sur un nouvel agent transmetteur du paludisme en Indochine septentrionale *Anopheles culicifacies* Giles 1901. Bull. Soc. Pat. exot. 28(2):111-113.

- 1935a. Faune entomologique des voies d'accès au Yunnan. Bull. Soc. Pat. exot. 28(3):194-198.

- 1935b. Trois cas de hypomélanisme chez les anophèles. Bull. Soc. Pat. exot. 28(8):747-752.

1936. Contribution à l'étude de l'infection naturelle des anophèles au Tonkin. Bull. Soc. Pat. exot. 29(10):1093-1095.

. & H. Marneffe

1936. Infection naturelle de *A. hyrcanus* var. *sinensis* dans le delta du Fleuve Rouge. Bull. Soc. Pat. exot. 29(9):970-975.

Gater, B.A.R.

1929. Annual report of the division of entomology for the year 1928. Rep. med. Dep. F.M.S. p. 69-74.

1933. On *Anopheles baezai* n. sp., from the Malay Peninsula. Bull. Raffles Mus. no. 8. 162-168.

- 1933a. Notes on Malayan mosquitoes, I. The genus *Anopheles*. Malay. med. J. 8(1):39-42.

- 1933b. Notes on Malayan mosquitoes, II. Seasonal distribution. Malay. med. J. 8(1):42-45.

1934. Aids to the identification of Anopheline larvae in Malaya. Singapore, Gov. S.S. & Malar. adv. Bd F.M.S. 160 p.

- Geigy, R. & A. Herbig
1955. Erreger und Überträger tropischer Krankheiten. Acta trop., Basel. 24:472 p.
- Gendel'man, Tz. A. & O.V. Markova
1940. Répartition de la malaria tropicale dans les rayons septentrionaux de la région de Dniepropetrovsk. Med. Parasit., Moscow. 9(1-2):147-149. (Abstract used).
- Gill, C.A.
1916. Malaria in Muscat. Indian J. med. Res. 4(1):190-235.
1917. Report on malaria in Amritsar, together with a study of endemic and epidemic malaria, and an account of the measures necessary for their control. Supt. Govt. Printing, Punjab, Lahore. 98 p.
1925. The rôle of *A. rossii* as a carrier of malaria. "The *rossii* problem". Indian J. med. Res. 12(4):773-781.
- Glagoleva, E.M.
1947. Ecological studies on *Anopheles* larvae in Tadzhikistan, Middle Asia. 3. Breeding places of *Anopheles hyrcanus* Pall. and their chemical factors. Ent. Obozr. 29(1-2):109-118.
- Gordadze, G. & N. Kamalov
1928. *Taeniorhynchus (Mansonia) richiardii*, Fic., in Georgia. Nachr. trop. Med. 1(1):58-59. (Abstract used).
- Goritzkaya, V. V.
1934. Einige Beobachtungen an *Pl. praecox (Proteosoma)* in den Versuchen der experimentellen Infektion von *Culex pipiens*. Parasit. Sb. 4:85-92. (Abstract used).
1938. Observations annuelles sur la biologie d'*Anopheles maculipennis* dans une localité non soumise aux mesures antipaludiques. Med. Parasit., Moscow. 7(4):501-513. (Abstract used).
1939. Un cas d'infection spontanée par les plasmodes de l'*Anopheles hyrcanus* Pall. provenant de la région de Dniepropetrovsk. Med. Parasit., Moscow. (Abstract used).
- Green, R.
1935. Laboratory investigations of Malayan Anophelines. Rep. Inst. med. Res. F.M.S. p. 35-42.
- & B.A.R. Gater
1931. The relative susceptibility of some Malayan Anopheline mosquitoes to experimental infection with malarial parasites. Bull. Inst. med. Res. F.M.S. 17 p.
- Grewal, R.S.
1937. Notes on the Anopheline mosquitoes of villages on the Arakan coast of Burma (Abstract). Rec. Malar. Surv. India. 7(4):267-268.
- Gritzai, P.K.
1930. Biologie de l'*Anopheles maculipennis* Mg. et mesures anti-anophéliques à la station malarique de Charkow. Bull. Soc. Pat. exot. 23(8):795-797.
- Gucewic, A.W. & G.M. Gurow
1932. Zur Fauna und Biologie der Mücken in Azerbaidschan. Parazit. Sb. 3:33-40.
- Guenther, K.
1913. Die lebenden Bewohner der Kannen der insektenfressenden Pflanze *Nepenthes destillatoria* auf Ceylon. Z. wiss. InsektBiol. 9(6-8):198-207.

Gutzevich, A.V.

1937. *Anopheles hyrcanus* Fall., and its importance in the transmission of malaria in the Far East. Trav. Acad. milit. Méd. 8:127-149.

1939. On the distribution and biology of *Anopheles maculipennis* Mgn. in Transbaikial Region (USSR). Trav. Acad. milit. Méd. 19:25-34.

1943. On the mosquitoes of North Iran. C.R. Acad. Sci, URSS (N.S.) 40(3):123-125.

1948. Mosquitoes and malaria in Iran. pp. 209-234. In: V.M. Aristovskii et al. ed. Epidemiological and parasitological expeditions to Iran and parasitological investigations. 376 p.

Hacker, H.P.

1923. Malaria bureau annual report, 1922. Med. Rep. F.M.S. 1922, Suppl. to F.M.S. Govt Gaz. p. 16-22.

Haga, J.

1925. A new *Uranotaenia* (Culicidae, Diptera) from Alor, Lesser Sunda Islands. Bull. ent. Res. 16(1):43-44.

Hakki, I.

1927. Les moustiques d'Anatolie (Turquie). Rev. Méd. Hyg. trop. 19(1):8 p.

1931. Les moustiques de Turquie et étude expérimentale sur quelques méthodes employées dans la lutte contre les larves d'anophèles. Arch. Schiffs-u. Tropenhyg. 35(5):303-309.

1934. Les moustiques de Turquie. Etudes épidémiologique et prophylactique du paludisme. Rev. Med. Hyg. trop. 26(1):25-34.

Hale, J.H., D.H. Colless & K.A. Lim

1957. Investigation of the Malaysian form of *Culex tritaeniorhynchus* as a potential vector of Japanese B Encephalitis virus on Singapore Island. Ann. trop. Med. Parasit. 51(1):17-25.

Hammon, W. McD., D.M. Rees, J. Casals & G. Meiklejohn

1949. Experimental transmission of Japanese B Encephalitis virus by *Culex tritaeniorhynchus* and *Culex pipiens* var. *pallens*, suspected natural vectors. Amer. J. Hyg. 50(1):46-50.

Hatori, J.

1923. *Anopheles* distribution in Formosa. J. med. Ass. Formosa. no. 231.

Haughwout, F.G.

1918. Endemic malaria in the Philippine Islands as a military problem. Philipp. J. Sci. 13(6):287-309.

Hayes, W.J.

1959. The toxicity of dieldrin to man. Report on a survey. Bull. World Hlth Org. 20(5):891-912.

Helfferich, W.M.G.

1934. Merkwaaardige uitkomsten van een malariaonderzoek in de Onderafdeeling Dairilanden (Residentie Tapanoei). Geneesk.-Tijdschr. Ned.-Indië. 74(22):1438-1446.

Hindle, E. & Feng Lan Chow

1929. Experiments with malaria and mosquitoes in Shantung, China: with a note on the value of local species of fish for the destruction of mosquito larvae. Trans. R. Soc. trop. Med. Hyg. 23(1):71-80.

Hodgkin, E.P.

1938. Division of entomology. Rep. Inst. med. Res. F.M.S. 1937. p. 71-86.

1939. Division of entomology. Rep. Inst. med. Res. F.M.S. 1938. p. 64-79.

. & R.S. Johnston

1935. Malaria at Batu Gajah, Perak: transmitted by *Anopheles barbirostris* van der Wulp. Bull. Inst. med. Res. F.M.S. 1935. no. 1. 19 p.

., J.O. Poynton, J.W. Field & J.C. Niven

1935. Field investigations of Malayan Anophelines. Rep. Inst. med. Res. F.M.S. 1934. p. 24-35.

Hodgson, E.C.

1914. Malaria in the New Province of Delhi. Indian J. med. Res. 2(2):405-415.

Horne, J.H.

1914. Malaria in Wynaad. Proc. Third All-India Sanitary Conf., Lucknow. Suppm. to Indian J. med. Res. 4:71-74.

Hsiao, T.Y.

1945. Epidemiology of diseases of Naval importance in China. Nav. med. Bull. 630, Wash. 149 p.

1946. Epidemiology of diseases of Naval importance in Manchuria. Nav. med. Bull. 958, Wash. 13 p.

1948. Epidemiology of the diseases of Naval importance in Korea. Nav. med. Bull. P-1289, Wash. 89 p.

. & R.M. Bohart

1946. The mosquitoes of Japan and their medical importance. Nav. med. Bull. 1095, Wash. 44 p.

Hsu, Kuo-Chin

1948. Malaria in southern and western Szechuan with a note on the occurrence of *Schistosomiasis japonicum*. Chin. med. J. 66(6):319-323.

Hu, S.M.K.

1935. Experimental infection of *Culex fatigans* Wiedemann from Foochow, Fukien Province with *Wuchereria bancrofti* Cobbold. Lingnan Sci. J. 14(1):87-92.

1935a. Notes on the relative adult density of *Anopheles hyrcanus* var. *sinensis* Wiedemann during 1933 with reference to malaria incidence in Kaochiao, Shanghai Area. Chin. med. J. 49(5):469-474.

1935b. The house-frequenting behavior of *Anopheles hyrcanus* var. *sinensis* Wiedemann in the Shanghai Area, Part I. Time of entry. Lingnan Sci. J. 14(3):385-394.

1935c. Studies on the susceptibility of Shanghai mosquitoes to experimental infection with *Wuchereria bancrofti* Cobbold. I. *Aedes albopictus* Skuse. II. *Armigeres obturbans* Walker. Peking nat. Hist. Bull. 9(4):249-260.

1937. A brief mosquito survey of Foochow Region, South China. Lingnan Sci. J. 16(4):579-584.

Hu, S.M.K.

1940. Studies on the susceptibility of Shanghai mosquitoes to experimental infection with *Microfilaria malayi* Brug. II. *Culex tritaeniorhynchus* Giles. III. *Anopheles hyrcanus* var. *sinensis* Wiedemann. Peking nat. Hist. Bull. 15(2):93-101.

1940a. *Culex pallidothorax* Theobald as a carrier of *Wuchereria bancrofti* Cobbold. Lingnan Sci. J. 19(4):543-547.

1940b. The house-frequenting behavior of *Anopheles hyrcanus* var. *sinensis* Wiedemann in the Shanghai Area, Part 3. Indoor resting places. Lingnan Sci. J. 19(3):403-410.

1941. Studies on the susceptibility of Shanghai mosquitoes to experimental infection with *Microfilaria malayi* Brug. IV. *Culex vorax* Edwards. Peking nat. Hist. Bull. 15(3):215-216.

1944. Studies on the susceptibility of Shanghai mosquitoes to experimental infection with *Microfilaria malayi* Brug. VII. *Culex fuscus* Wiedemann. Chin. med. J. 62(3):255-259.

. & Teh-Ling Chang

1933. Observations on natural infection of *Culex pipiens* Linnaeus var. *pallens* Coquillett with *Wuchereria bancrofti* Cobbold in Woosung District, Shanghai, China. Chin. med. J. 47(11-12):1367-1372.

. & Chia-Hsien Yen

1933. Studies on the susceptibility of *Culex pipiens* Linnaeus var. *pallens* Coquillett to experimental infection with *Wuchereria bancrofti* Cobbold in Shanghai Area. Chin. med. J. 47(11-12):1359-1366.

. & H. Yu

1937. Further studies on the blood preferences of *Anopheles hyrcanus* var. *sinensis* Wied. in Shanghai Region. Chin. med. J. 51(5):639-642.

Irdem, E.

1942. Türkiye'de *Anoph. sergenti*. Sagl. Derg. 17(104):296-297.

Irfan, I. & R. Vogel

1927. Stechmückenfangplätze in Anatolien 1926. Abh. Auslandsk. 26, Ser. D. (Med.). p. 286-292.

Ivanov, I.K.

1944. The types of water in which Anophelines breed and the fauna of Culicidae in the Turgai Depression. Izv. kazakh. Fil. Akad. Nauk SSSR (Ser. zool.) no. 3. 128-129. (Abstract used).

Ivanova, L.V. & V.P. Polovodova

1942. Observations on the ecology of the *Anopheles* larvae in the Lencoran Region. Med. Parazit., Moscow. 11(5):29-34. (Abstract used).

Iyengar, M.O.T.

1920. Preliminary report of a malaria survey of Calcutta and Environs. Indian J. med. Res. p. 8-17.

1922. The larva of *Anopheles annandalei*, Prashad. Indian J. med. Res. 10(2):526-529.

1924. On the Indian Anophelines of the *funestus* group and the description of a new species (Diptera, Culicidae). Indian J. med. Res. 12(1):23-29.

1928. Structure and function of the contractile thoracic appendages of the *Anopheles* larvae. Indian J. med. Res. 16(2):281-296.

Iyengar, M.O.T.

1929. Adult and larval stages of *Anopheles majidi*. Indian J. med. Res. 17(1):1-10.
1930. Larvae of oriental tree-hole breeding Anophelines. Indian J. med. Res. 17(3):769-776.
- 1930a. Dissolved oxygen in relation to *Anopheles* breeding. Indian J. med. Res. 17(4):1171-1188.
- 1930b. Jungle in relation to malaria in Bengal. Indian J. med. Res. 18(1):259-266.
1931. Absence of malaria in the salt-water lake basin. Indian J. med. Res. 19(1):163-174.
- 1931a. The distribution of *Anopheles ludlowii* in Bengal and its importance in malarial epidemiology. Indian J. med. Res. 19(2):499-524.
- 1931b. The relative value of the oöcyst rate and the sporozoite rate in *Anopheles*. Indian J. med. Res. 19(2):525-539.
1932. *Anopheles* breeding in relation to season. Indian J. med. Res. 19(3):917-939.
1933. Experimental infection of Anopheline mosquitoes. Indian J. med. Res. 20(3):841-861.
- 1933a. Filariasis in Trivandrum. Indian J. med. Res. 20(4):921-938.
- 1933b. Oviposition in mosquitoes of the sub-genus *Mansonioides*. Indian J. med. Res. 21(1):101-102.
1938. Studies on the epidemiology of filariasis in Travancore. Indian med. Res. Mem. no. 30. 179 p.
1941. Occurrence of *Wuchereria bancrofti* infection in a rural area. Indian J. med. Res. 29(3):677-679.
1944. Problems relating to malaria control in deltaic Bengal. J. Malar. Inst. India. 5(4):435-447.
- Jackson, R.B.
1936. Investigations into the habits and pathogenicity of the Anophelines met with in two localities in Hong Kong during 1931-1935. Chin. med. J. 50(8):1098-1113.
- 1936a. Some observations on the occurrence of filarial infection in mosquito and man in the Colony of Hong Kong. Chin. med. J. 50(12):1767-1772.
1938. A guide to the identification of the Anopheline larvae of the Colony of Hong Kong. With notes concerning them. Chin. med. J. 53(3):259-270.

Jackson, R.B.

1938. A guide to the identification of the Anopheline mosquitoes of the Colony of Hong Kong with notes concerning them. Chin. med. J. 53(3):259-270.

- 1938a. A guide to the identification of the Anopheline mosquitoes of the colony of Hong Kong with notes concerning them. Chin. med. J. 53(6):563-576.

- 1938b. Notes on *Ae. (F.) togoi* Yamada as met with in the colony of Hong Kong. Chin. med. J. 54(6):559-562.

1951. A review of investigations of the habits and pathogenicities of the common Anophelines of Hongkong. Trans. R. Soc. trop. Med. Hyg. 45(1):91-101.

James, E.R.

1941. The investigation of the high incidence of malaria in Mawchi Mines Area, situated in Karenni States, Burma. J. Malar. Inst. India. 4(1):153-154.

1914. Summary of a year's mosquito work in Colombo. Indian J. med. Res. 2(1):227-267.

. & W.G. Liston

1904. A monograph of the Anopheles mosquitoes of India. Thacker, Spink & Co., Calcutta. 132 p.

Jaswant Singh, S.A.S.

1933. Some observations on the mosquitoes and sandflies of Rajputana. Rec. Malar. Surv. India. 3(3):579-581.

. & V.P. Jacob

1943. Malaria in Ahmedabad. (Abstract.). J. Malar. Inst. India. 5(1):127 p.

Jones, T.W.T.

1949. Experimental aerial spraying with DDT against mosquitoes in Burma. Bull. ent. Res. 40(3):379-385.

Kalandadze, L.P.

1935. Materialien zur Stechmückenfauna Abchasiens (U.S.S.R.). Bull. Mus. Georgie. 8:45-54. (Abstract used).

. & O.P. Kaviladze

1947. On the blood-sucking mosquitoes of the western part of Persian Azerbaijan. Med. Parasit., Moscow. 16(1):57-65. (Abstract used).

. & I.S. Sagatelova

1938. Matériaux concernant la distribution des sous-espèces de l'*Anopheles maculipennis* en Géorgie. Med. Parasit., Moscow. 7(6):878-880. (Abstract used).

. & A.I. Tairova

1939. Découverte des larves d'*Anopheles hyrcanus* var. *mesopotamiae* au creux d'un vieux chêne et d'un *Aedes (St.) aegypti* L. à la ville de Tbilisi. Med. Parasit., Moscow. 8(2):190 p. (Abstract used).

Kalita, S.R.

1937. Les variétés d'*Anopheles maculipennis* Mg. de la partie sud du territoire d'Azov et de la Mer Noire. Med. Parasit., Moscow. 6(5):710-714. (Abstract used).

- Kalita, S.R.
1939. Découverte de l'*Anopheles maculipennis subalpinus* Hack. et Lewis sur la côte de la Mer Noire, dans le territoire de Krasnodar. Med. Parasit., Moscow. 8(3):360-361.
- Kalra, S.L.
1947. Addu Atoll (Maldiv Islands) its people and its important diseases. Indian Army med. Cps J. 3(3):137-141.
- Kan, H.C.
1941. Prevalence of malaria in Kweichow Province. Chin. med. J. 59:77-83.
- Kandelaki, S.
1927. Zur Fauna der Stechmücken in Transkaukasien. Arch. Schiffs- u. Trop.-Hyg. 31(6):291-297. (Abstract used).
- Kariadi
1938. Oriënteerend filariaonderzoek te Martapoera (Res. Z/O. Afd. v. Borneo). Geneesk.-Tijdschr. Ned.-Indië. 78(19):1127-1138.
- 1941. *A. hyrcanus* "X" en filariasis malayi te Martapoera. Geneesk.-Tijdschr. Ned.-Indië. 81(3):107-118. (Abstract used).
- Kazantzev, B.N.
1932. Mückenfauna des Schachrud'schen Wasserbeckens. Parasit. Sb. 3:17-32. (Abstract used).
- Keshish'yan, M.N.
1941. Culidae of Tadjikistan. Med. Parasit., Moscow. 10(1):77-80. (Abstract used).
- Kettle, D.S.
1948. The growth of *Anopheles sergenti* Theobald (Diptera, Culicidae), with special reference to the growth of the anal papillae in varying salinities. Ann. trop. Med. Parasit. 42(1):5-29.
- Khelevin, N.V.
1938. Sur les lieux d'hibernation des anophèles dans la nature libre dans les conditions de la région d'Ivanovo. Med. Parasit., Moscow. 7(1):144-145.
- 1941. The hibernation shelters of *Anopheles* in the Ivanovo Region. Med. Parasit., Moscow. 10(3-4):440-444.
- Khodukin, N.I.
1927. On the biology of hibernating *Anopheles* and its importance in the epidemiology and control of malaria in Turkestan. Russ. J. trop. Med. 5(8):502-512. (Abstract used).
- King, H.H., C.G. Pandit, K.P. Menon & P.V. Seetharama Iyer
1929. A house to house filariasis survey in Saidapet, 1927-1928, and a note on the source of filarial infection in mosquitoes. Indian J. med. Res. 17(2):406-420.
- King, W.V.
1931. The Philippine varieties of *Anopheles gigas* and *Anopheles lindesayi*. Philipp. J. Sci. 46(4):751-756.
- & F.E. Baisas
1936. A new species and a new variety of Philippine *Anopheles* related to *Anopheles leucosphyrus* Dñnitz. Proc. ent. Soc. Wash. 38(5):79-89.
- & F. del Rosario
1935. The breeding habits of *Anopheles litoralis* and *A. indefinitus* in salt-water ponds. Philipp. J. Sci. 57(3):329-349.

Kingsbury, A.N.

1928. The malaria research division (malaria bureau). Rep. med. Dept. F.M.S. 1927. p. 58-62.

1930. Annual report of the institute for medical research for the year 1929. Rep. Inst. med. Res. F.M.S. p. 51-107.

1931. Annual report of the institute for medical research for the year 1930. Rep. Med. Dept. F.M.S. p. 95-185.

1932. Annual report of the institute for medical research for the year 1931. Rep. Med. Dept. F.M.S. p. 86-211.

1933. Annual report of the institute for medical research for the year 1932. 108 p.

1936. Annual report of the malaria advisory board (F.M.S.) for the year 1935. Kuala Lumpur. 13 p.

1938. Annual report of the malaria advisory board (F.M.S.) for the year 1937. Kuala Lumpur. 19 p.

1939. Annual report of the institute for medical research (F.M.S.) for the year 1938. Kuala Lumpur. 179 p.

Kirkpatrick, T.W.

1925. The mosquitoes of Egypt. Egypt. Govt. Anti-Malaria Commiss. 224 p.

Kiseleva, E.F.

1936. Sur la faune des Culicidae de la Sibérie. Med. Parasit., Moscow. 5(2):220-240. (Abstract used).

Kitaoka, M.

1950. Experimental transmission of the West Nile virus by the mosquito. Jap. med. J. 3(2):77-81.

Kligler, I.J.

1924. Notes on the hibernation of *Anopheles* mosquitoes in Palestine. Bull. ent. Res. 14(4):403-407.

1924a. Flight of *Anopheles* mosquitoes. Trans. R. Soc. trop. Med. Hyg. 18(4):199-202.

1928. Further studies on the epidemiology of malaria in Palestine. Amer. J. trop. Med. 8(2):183-198.

1928a. Studies on the etiology of Phlebotomus and dengue fever. I. Introduction. Ann. trop. Med. Parasit. 22(2):143-150.

1930. The epidemiology and control of malaria in Palestine. London, Camb. Univ. Press. 240 p.

& E. Liebman

1928. Studies on malaria in an uncontrolled hyperendemic area (Hule, Palestine). Changes in the resting places of *Anopheles* with special reference to infected mosquitoes. J. prev. Med., Baltimore. 2(5):433-440.

Kligler, I.J. & G. Mer

1931. Studies on malaria. VIII. The migration of infected *A. elutus* at various seasons of the year. J. prev. Med., Baltimore. 5(5):401-407.

Knight, K.L. & W.B. Hull

1951. The *Aedes* mosquitoes of the Philippine Islands. I. Key to species. Subgenera *Mucidus*, *Ochlerotatus*, and *Finlaya* (Diptera, Culicidae). Pacif. Sci. 5(3):211-251.

— . & —

- 1951a. Three new species of *Aedes* from the Philippines (Diptera, Culicidae). Pacif. Sci. 5(2):197-203.

— . & —

1952. The *Aedes* mosquitoes of the Philippine Islands. II. Subgenera *Skusea*, *Christophersomyia*, *Geoskusea*, *Rhinoskusea* and *Stegomyia* (Diptera, Culicidae). Pacif. Sci. 6(2):157-189.

— . & —

1953. The *Aedes* mosquitoes of the Philippine Islands. III. Subgenera *Aedimorphus*, *Banksinella*, *Aedes*, and *Cancaerdes* (Diptera, Culicidae). Pacif. Sci. 7(4):453-481.

— . & E.N. Marks

1952. An annotated checklist of the mosquitoes of the subgenus *Finlaya*, genus *Aedes*. Proc. U.S. nat. Mus. 101(3288):513-574.

— ., R.M. Bohart & G.E. Bohart

1944. Keys to the mosquitoes of the Australasian Region, including a synopsis of their distribution and breeding habits. Washington, D.C., Nat. Res. Coun., Div. med. Sci. 71 p.

Kobayashi, H.

1925. On the animal parasites in Korea. Japan med. World, Tokyo. 5(1):9-16.

Koidzumi, M.

1920. Studies on mosquitoes in Formosa. Rept. Sci. Inst. Taihoku, Formosa. no. 8. 158 p.

—

1927. On the distribution of Anophelines in Formosa. J. med. Ass. Formosa. no. 272. 215-233.

—

1930. The Anophelines of Formosa. Riv. Malarial. 9(3):232-235.

Kon', Ta.S., D.I. Dobrosmuislov & Z.L. Ginzburg

1942. Mosquito larvae in the tunnels of the Moscow underground railway. Med. Parasit., Moscow. 11(4):122-123. (Abstract used).

Korke, V.T.

1928. Observations on filariasis in some areas in British India. Parts I & II. Indian J. med. Res. 14(3):717-732.

—

1929. Observations on filariasis in some areas in British India. Part III. Indian J. med. Res. 16(3):695-715.

—

1930. Observations on the natural history of *F. bancrofti* in dwellings in relation to the systems of drainage. Part VII. Indian J. med. Res. 18(2):427-442.

Koun

1926. Evolution du paludisme dans la ville et les environs de Hue. Bull. Soc. Path. exot. 19(5):335-337.

Krivenko, A.I.

1940. Moustique malarigène *Anopheles plumbeus* Steph. en Kachetie (RSS de Géorgie). Med. Parasit., Moscow. 9(5):498-499.

Kuitert, L.C. & J.D. Hitchcock

1948. Observations on *Anopheles leucosphyrus* Dön. at Shingbuiyang, Burma (Diptera, Culicidae). Proc. ent. Soc. Wash. 50(4):77-82.

Kuma, H.W.

1929. The geographical distribution of the malaria carrying mosquitoes. A collection of recorded material in the literature and in personal communications to the author. Amer. J. Hyg. no. 10. 178 p.

1931. The geographical distribution of the yellow fever vectors. A compilation of material recorded in the literature, unpublished communications and certain collections made by the author in Nigeria, West Africa. Amer. J. Hyg. Monogr. Ser. no. 12. 110 p.

La Casse, W.J. & S. Yamaguti

1950. Mosquito fauna of Japan and Korea. Mosquito News. 11(3):213 p.

Lalor, N.P.O.

1913. Investigation of malaria in the district of Katha. Rangoon: Office of the superintendent of Government Printing, Burma. 18 p. (Abstract used).

Lamborn, W.A.

1922. The mosquitoes of some parts of China and Japan. Bull. ent. Res. 12(4):401-409.

- 1922a. Some problems of the breeding-places of the Anophelines of Malaya: A contribution towards their solution. Bull. ent. Res. 13(1):1-23.

- 1922b. The bionomics of some Malayan Anophelines. Bull. ent. Res. 13(2):129-149.

Lan-Chou, F.

1930. Experiments with *Dirofilaria immitis* and local species of mosquitoes in Peiping, North China, with a note on *Lankesteria culicis* found in *Aedes koreicus*. Ann. trop. Med. Parasit. 24(3):347-366.

Latushev, N.I.

1929. A contribution to the biology of *Anopheles superpictus* Grassi in Tadzhikistan. pp. 41-59. In: E.N. Pavlovskii et al. ed. Animal parasites and some parasitic diseases of man in Tadzhikistan. Leningrad, Zool. Mus. Acad. Sci. 208 p. (Abstract used).

Lazuk, A.D. & I.N. Utenkov

1939. Sur le développement des larves d'*Anopheles maculipennis* dans les canaux a des vitesses diverses du courant d'eau. Med. Parasit., Moscow. 8(4):75-79. (Abstract used).

Lee, D.J.

1944. An atlas of the mosquito larvae of the Australasian Region. Tribes - *Megarhinini* and *Culicini*. Australian Military Forces. 1-119 p.

. & A.R. Woodhill

1944. The Anopheline mosquitoes of the Australasian Region. Monogr. Dep. Zool. Univ. Sydney. no. 2. 209 p.

1948. Anopheline larvae collected in Arabia. Ann. trop. Med. Parasit. 42(3-4):253-255.

1950. Anopheline surveys in Syria and Lebanon. In: *Anopheles and malaria in the Near East*. London School of Hyg. and Trop. Med., mem. No. 7:3-46.

Lefebvre, M.

1938. Recherches sur la faune anophélienne aus Laos. Bull. Soc. Pat. exot. 31(5):381-386.

Legendre, J.

1924. Des variations dans le trophisme des Culicides. C.R. Acad. Sci., Paris. 178(4):423-425.

- Legendre, J.
1924a. L'Anophelisme a Lataquie. Bull. Soc. Pat. exot. 17(8):653-657.
- Lepsi, I.
1935. Über Culiciden und die Malaria der Gegend von Chisinau-Bessarabien. Bull. Mus. nat. Sci. nat. Kichineff. no. 6. 42-58. (Abstract used).
- Li, F.S. & S.C. Wu
1934. The classification of mature larvae of Chinese Anopheline mosquitoes. Ent. & Phytopath., Hangchow. 2(1-5):3-14, 22-32, 43-52, 62-66, 82-93.
- _____. & _____
1934a. The mosquitoes of Hangchow, Chekiang. Yearb. Bur. Ent. 3:97-123.
- _____. & _____
1934b. On the known species of Chinese *Aedes* (Diptera, Culicidae). Ent. & Phytopath., Hangchow. 2(35):682-688.
- _____. & _____
1935. On the known species of Chinese Culicini, with a few species of other tribes. Ent. & Phytopath., Hangchow. 3(3-5):44-98.
- _____. & _____
1935a. A list of mosquitoes collected in a few famous localities of Chekiang and Anhwei. Ent. & Phytopath., Hangchow. 3(26):522-525.
- _____. & _____
1935b. Breeding places of the mosquitoes in Hangchow. Yearb. Bur. Ent. Chekiang. 4:33-46.
- Lien, J.C.
1965. Mosquitoes of Taiwan: Genus *Toxorhynchites* Theobald. J. med. Entom. 2(1):1-16.
- Lindberg, K.
1949. Le paludisme en Afghanistan. Riv. Malariol. 28(1):1-54.
- Ling, L.C., K.B. Liu & Y.T. Yao
1936. Studies on the so-called *Changch'i*. Part II. *Changch'i* in Yunnan. Chin. med. J. no. 12. 1815-1828.
- Lisova, A.I.
1932. Über die experimentelle Infektion von *Anopheles* durch malaria plasmodien. Parazit. Sb. 3:41-48.
- _____. & V.A. Eskin
1932. Infektion von *Anopheles maculipennis* var. *sacherovi* F. durch Malariaplasmodien in natürlichen Bedingungen in einem Reisfeldbezirk Uzbekistans. Parazit. Sb. 3:49-62.
- Liston, W.G. & T.G. Akula
1913. A *Stegomyia* survey of the city and island of Bombay. Proc. Gen. Malaria Comm., Madras, 1912. p. 187-188.
- Logan, J.A., T.H.G. Aitken, G.U. Casini, F.W. Knipe, J. Maier & A.J. Patterson
1953. The Sardinian project: An experiment in the eradication of an indigenous malarious vector. Baltimore: The Johns Hopkins Press. 415 p.
- Loginovskii, G.E.
1942. The hours of the flying of *Anopheles maculipennis messeae* from winter shelters. Med. Parasit., Moscow. 11(5):38-45.
- Lomeiko, E.I.
1942. *Anopheles algeriensis* Theob. in the Adygei Autonomous Province (N. Caucasus). Med. Parasit., Moscow. 11(3):131 (Abstract used).
- Loughnan, W.F.M.
1921. Seven-day fever in Aden. J.R. Army med. Cps. 36(2):137-141.
- Ludlow, C.S.
1914. Philippine mosquitoes. Psyche, Camb., Mass. 21(1):30-32.

- Ludlow, C.S.
1919. New Siberian Culicidae (Diptera). Insec. Inscit. menst. 7(10-12):151-161.
- Lumsden, W.H.R. & J. Yofe
1950. Anophelism and malaria in Transjordan and neighboring parts of Palestine and Syria. In: Anopheles and malaria in the Near East. London School of Hyg. and Trop. Med. Mem. no. 7. 47-108.
- Luppova, E.P.
1940. Hibernation quarters of the mosquitoes of southern Kirghizia. Sov. Zdravookhr. Kirgizii. 3(5):94-99. (Abstract used).
- Macan, T.T.
1942. A key to the Anopheline mosquitoes of the Mediterranean Region and the lands adjoining the Red Sea and the Persian Gulf. J.R. Army med. Cps 79(1):1-11.
1948. Mosquitoes and malaria in the Kabaw and Kale Valleys, Burma. Bull.ent. Res. 39(2):237-268.
1950. The Anopheline mosquitoes of Iraq and North Persia. In: Anopheles and malaria in the Near East. London School of Hyg. and Trop. Med. Mem. no. 7. 109-219.
1950a. Malaria survey of the Arakan region of Bengal and Burma. Parasitology. 40(3-4):290-297.
- MacFarlane, H.
1915. Report on work other than routine work done in the Bacteriological Institute, Hongkong, for the first half of 1915. Hongkong.
- MacGilchrist, A.C.
1913. *Stegomyia* survey, Port of Calcutta. Proc. 3rd Meeting Gen. Malaria Comm., Madras. p. 197-196.
- Manalang, C.
1928. Notes on malaria transmission. Philipp. J. Sci. 37(1):123-132.
1930. Morphology and classification of the Philippine variety of *Anopheles aconitus* Dönitz, 1902, and *Anopheles minimus* Theobald, 1901. Philipp. J. Sci. 43(2):247-261.
1931. Malaria transmission in the Philippines. I. The natural vector. Philipp. J. Sci. 45(2):241-248.
1931a. Malaria transmission in the Philippines, II. Infection of *Anopheles funestus* Giles (*minimus*) with notes on its density, probable range of flight, and larval control. Philipp. J. Sci. 45(3):367-379.
1931b. Origin of the irritating substance in mosquito bite. Philipp. J. Sci. 46(1):39-45.
1931c. Malaria transmission in the Philippines. III. Density and infective density of *Anopheles funestus* Giles. Philipp. J. Sci. 46(1-2):47-59.
1931d. Malaria transmission in the Philippines. V. On the maturation of the ova of *Anopheles funestus* Giles. VI. The darknight factor. Philipp. J. Sci. 46(3):363-375.

- Manson-Bahr, P.
1920. Experiences of malaria in the Egyptian expeditionary force. *Lancet*, London. no. 5028. 79-85.
- 1959. The story of *Filaria bancrofti*. A critical review. *J. trop. Med. (Hyg.)*. 62(6):138-145.
- Markin, A.V.
1938. Contribution au probleme des varietes de l'*Anopheles maculipennis* dans la region centrale de l'Oural. *Med. Parasit., Moscow*. 7(4):610 p.
- Marshall, J.F.
1938. The British mosquitoes. London, Brit. Mus. (Nat. Hist.). 341 p.
- Martini, E.
1925. Zur Kulizidenfauna Südostrusslands. *Arch. Schiffs- u. Trop.-Hyg.* 29(10): 514-518. (Abstract used).
- 1927. Malaria und Malariabekämpfung in der Türkei. *Dt.-turk. Verein. Mitt.* 8(3):54-55.
- 1928. Zur Biologie von *Anopheles maculipennis*. *Russ. J. trop. Med.* 6(9):562-564.
- 1928a. Malaria und Malariabekämpfung in der Türkei. *Seuchenbekämpf. exp. Ther. Infkr.* no. 1-2, reprint. 8 p.
- 1929. Culicidae. In: Lindner Flieg. Palaearkt. Reg. 11 & 12:1-145.
- 1930. Culicidae. In: Lindner Flieg. Palaearkt. Reg. 11 & 12:145-320.
- 1931. Culicidae. In: Lindner Flieg. Palaearkt. Reg. 11 & 12:321-398.
- Marzinowsky, E.I.
1930. Sur la lutte contre la dengue. *Bull. Soc. Pat. exot.* 23(8):797-803.
- Mattingly, P.F.
1949. *Ficalbia jacksoni* sp. n. A new species of mosquito (Diptera, Culicidae) from Hong Kong. *Proc. R. ent. Soc. Lond.* 18(1-2):9-11.
- 1949a. Notes on some oriental mosquitoes. *Proc. R. ent. Soc. Lond. (B)*. 18(11-12):219-228.
- 1954. Notes on the subgenus *Stegomyia* (Diptera, Culicidae), with a description of a new species. *Ann. trop. Med. Parasit.* 48(3):259-270.
- 1957. Genetical aspects of the *Aedes aegypti* problem. I. Taxonomy and bionomics. *Ann. trop. Med. Parasit.* 51(4):392-408.
- & L.J.B. Chwatt
1954. Morphology and bionomics of *Aedes (Stegomyia) pseudoafricanus* Chwatt (Diptera, Culicidae), with some notes on the distribution of the subgenus *Stegomyia* in Africa. *Ann. trop. Med. Parasit.* 48(2):183-193.
- Mayne, B.
1928. The influence of relative humidity on the presence of parasites in the insect carrier and the initial seasonal appearance of malaria in a selected area in India. *Indian J. med. Res.* 15(4):1073-1084.

- Mayne, B.
1928. An Anopheline mosquito as host for the parasite of bird malaria. Indian J. med. Res. 16(2):557-558.
- McArthur, J.
1950. Malaria and its vectors in Borneo. Indian J. Malar. 4(1):1-90.
- McCombie Young, T.C. & S. Abdul Majid
1928. A variety of *Anopheles karwari* collected in Coorg, S. India. Indian J. med. Res. 16(2):469-471.
- _____.
1929. Further observations on malaria in Coorg. Indian J. med. Res. 16(3):766-769.
- Meleney, H.E., C.U. Lee & H.L. Chang
1927. A preliminary survey of the Anopheline mosquitoes of the Peking Area. Chin. med. J. 41(6):509-512.
- Meng, C.H.
1943. Notes on the diptera of medical importance in Chengtu. J.W. China Border Res. Soc. (B). 14:99-101.
- Menon, M.A.U.
1944. On a new species of the subgenus *Lophoceratomyia* Theobald 1905. (Diptera, Culicidae). J. Malar. Inst. India. 5(3):389-393.
- _____.
1950. The male of a new species of the subgenus *Aedes* Meigen, 1818 (Diptera, Culicidae), Proc. R. ent. Soc. Lond. (B). 19(9-10):139-141.
- Menon, T.B. & B. Ramamurti
1941. The behaviour of the infective larvae of *Wuchereria bancrofti* with special reference to their mode of escape and penetration of skin. Indian J. med. Res. 29(2):393-401.
- Mess, A.A.
1940. On the mosquito fauna of the rice plantation in the North Caucasian Region. Parazit. Sb. 7:176-178.
- Mhaskar, K.S.
1913. *Stegomyia* in Karachi. Proc. Gen. Malaria Comm., Madras, 1912, Simla.
- Mieldazis, J.J.
1930. Preferential breeding conditions of *Anopheles* in the Philippine Islands. Philipp. J. Sci. 41(1):59-63.
- Milne, J.C.
1933. Some Malayan Culicines. Malay. med. J. 8(1):46-49.
- _____.
1947. Malaria control in Kuala Lumpur, Federated Malay States. Med. J. Malaya. 1(3):140-155.
- Minaev, G.I. & F.P. Kravchenko
1936. Sur les abris d'hiver de l'*Anopheles maculipennis messeae* Fall. dans les regions meridionales du Departement de Krasnoyarsk (Siberie). Med. Parasit., Moscow. 5(2):211-219.
- Mitamura, T. & M. Kitaoka
1950. Seasonal occurrence of mosquito in Okayama 1946 and infectivity of the mosquito with Japanese B encephalitis virus; transovarial infection of the virus in mosquito. Jap. med. J. 3(3):141-148.
- _____. & _____.
1950a. Experimental transmission of poliomyelitis virus by mosquitoes in rhesus monkeys. Jap. med. J. 3(3):167-171.
- _____. M. Kitaoka & M. Imai
1950. Seasonal occurrence of mosquito and its infectivity of Japanese B encephalitis virus in Ikayama city 1942; relationship between the grade of epidemic and the infectivity of mosquito. Jap. med. J. 3(3):149-159.

Mitrofanova, Yu.G.

1941. The ecology of adults of *Anopheles pulcherrimus* and *A. hyrcanus* in the valley of Murgab river. Med. Parasit., Moscow. 10(1):45-51. (Abstract used).

Mohan, B.N.

1950. Certain uncommon habits of *Culex bitaeniorhynchus* (Type form). Colonizing. Indian J. Malar. 4(2):167-173.

Monchadskii, A.S.

1936. Les larves des moustiques (Fam. Culicidae) de l'URSS et des pays limitrophes. Tabl. anal. Faune URSS. no. 24. 383 p.

Monier, H.

1933. Renseignements médicaux et entomologiques recueillis sur le paludisme dans la haute vallée du Mekong. Bull. Soc. Pat. exot. 26(9):1144-1147.

Morin, H. & J. Mesnard

1931. Nouveaux faits relatifs à la réceptivité naturelle des anophèles d'Indochine à l'hématozoaire du paludisme. Bull. Soc. Pat. exot. 24(10):919-923.

—, P. Moreau & C. Toumaroff

1933. Recherches sur le paludisme au Tonkin. II. Bassin du Si-Kiang. Région de Langson-Cao-bang. Bull. Soc. med.-chir. Indoch. 11(3):256-289.

Montchadskii, H.S.

1926. Larva of *Aedes (Ochlerotatus) pulchritarsis* Rond., var. *stegomyia* Stack. & Montch., nov., from Turkestan. Bull. ent. Res. 17(2):151-157.

Morishita, K.

1932. The eggs of the Formosan Anophelines. J. med. Ass. Formosa. 31(3):331-340.

—

1936. Classification of the Formosan Anophelines, with keys to species. Trans. nat. Hist. Soc. Formosa. 26(157):347-355.

Muirhead Thomson, R.C.M.

1941. Studies on the behaviour of *Anopheles minimus*. Part V. J. Malar. Inst. India. 4(2):217-245.

Nair, C.P.

1947. Habits of adult Anopheline mosquitoes of Malaya. Malay. med. J. 1(3):166-172.

Naumov, K.G.

1940. Subspecies of *An. maculipennis* of the Chu Valley. Sov. Zdravookhr. Kirgizii. 3(5):84-93.

—

1940a. Epidemiological importance of *An. maculipennis messeae* in the light of data of the reaction of precipitation. Sov. Zdravookhr. Kirgizii. 3(5):76-83.

—

1944. An experiment in mass control of mosquitoes in daytime shelters in the valley of the Chu. Izv. kazakh. Fil. Akad. Nauk SSSR (Ser. zool.). no. 3.8-13. (Abstract used).

Nikiforova, A.V.

1941. Observation on the range of penetration of *Anopheles maculipennis* and *A. bifurcatus* in a controlled region. Med. Parasit., Moscow. 10(3-4):404-405.

Noyan, A.

1951. Die geographische Verteilung der Malaria in der Türkei. Z. Tropenmed. u. Parasit. 2(3):338-350.

Ogasawara, H.

1939. A new mosquito from Shakuji (Tokyo). Ent. World, Tokyo. 7(63):237-239. (Abstract used).

- Ogasawara, H.
1939a. On the genus *Megarhinus* in Japan, with description of a new variety. Ent. World., Tokyo. 7(63):240-244.
- Olenev, N.O.
1936. Notes sur la parasitologie en Carélie. Med. Parasit., Moscow. 5(6):957 p.
- Olsuf'ev, N.G.
1941. The rôle of mosquitoes in transmitting tularemia infection to wild rodents, birds and domestic animals. Trav. Acad. milit. Méd. 25:190-197.
- Ono, Z.
1939. On insects of hygienic importance in Shinkyo and its environs, Manchuria. Ent. World, Tokyo. 7(59):4-11.
- Orlowa, A.A. & S.D. Schachow
1930. Culicidae and Phlebotominae des Bezirkes Kaarry-Kala in Turkmenien. Arch. Schiffs- u. Tropenhyg. 34(11):593-608.
- Paine, R.W.
1934. The introduction of *Megarhinus* mosquitoes into Fiji. Bull. ent. Res. 25(1):1-32. (Abstract used).
- Panigrahi, R.G.
1940. Malaria in Puri. J. Malar. Inst. India. 4(3):423-428.
- Parr, H.C.M.
1943. The Culicine mosquitoes of Syria and the Lebanon. Bull. ent. Res. 34(4):245-251.
- Patton, W.S.
1920. Some notes on the Arthropods of medical and veterinary importance in Mesopotamia, and on their relation to disease. Part IV. Some Mesopotamian Nematocera of economic importance. Indian J. med. Res. 8(2):245-252.
1922. Note on the value of tame cow for collecting the blood-sucking diptera of a locality. Indian J. med. Res. 10(1):66-68.
1926. Blood-sucking Arthropods of medical and veterinary importance in China. Chin. med. J. 40(6 & 7):543-553 & 603-612.
- Pavlovskii, E.N.
1931. On the distribution of malaria mosquitoes in the district of Knyazhii Dvor (Shimsk, Novgorod Region) in connection with the question of the zoophilism of *Anopheles maculipennis*. Parazit. Sb. 2:59-72.
_____. ed.
1947. Parasites of the Far East. Kraev. Parazitol. SSSR, Leningrad. 427 p. (Abstract used).
_____. & A.A. Mess
1931. Biological observations on the blacklegged malaria mosquito *Anopheles plumbeus* Hal. in the district of the Caucasian mineral water springs. Parazit. Sb. 1:235-251.
- Pazhitnova, Z.A.
1935. Materialien zur Erforschung der Mikrofauna der Reisfelder und die Biologie der *Anopheles* larve auf den Reisfeldern. II. Die Mikrofauna der Reisfelder der Samarkander Oase. Acta Univ. Asiae med. Tashkent. Ser. 8a. fasc. 18:1-63. (Abstract used).
- Perry, E.L.
1914. Endemic malaria of the Jeypore hill tracts of the Madras Presidency. Indian J. med. Res. 2(2):456-491.
- Petrishcheva, P.
1931. Epidemiology of malaria in the Kara-kala region of the Turkmen SSR. Trop. Med. Vet., Mosk. 9(7-8):367-369. (Abstract used).
1934. Zur Biologie von *Anopheles bifurcatus* in Turkmenien. Parazit. Sb. 4:19-30.

Petrishcheva, P.A.

1934a. Zur Fauna und Biologie der Culicidae des Karakala-Gebietes. Trudy sov. Izuch. proizv. Sil. Ser. turkmenak. part 6. 85-104. (Abstract used).

1936. Einige blutsaugende Insekten (Culicidae und *Phlebotomus*) der Sandwüste Karakum. In: E.N. Pavlovskii, ed. Animaux pathog. p. 139-163. (Abstract used).

1940. *Anopheles* of the Chu Valley. Sovetsk. Zdravookhr. Kirgizii. 3(5):42-51.

1940a. Culicidae of Kirghizia. Sovetsk. Zdravookhran. Kirgizii. 3(5):34-41.

1948. The vectors of Japanese Encephalitis, and the period and way in which anti-epidemiological measures should be carried out in hay-fields. pp. 299-308. In: V.M. Aristovskii et al. ed. Epidemiological and parasitological expeditions to Iran and parasitological investigations. Moscow, Akad. Nauk. SSSR. 376 p.

1948a. The transition of *Aedes togoi* Theob. and *Aedes japonicus* Theob. (Diptera, Culicidae) to the synanthropic mode of life. Ent. Obozr. 36(1-2):103-108. (Abstract used).

. & A. Y. Polyakov

1940. Malaria in the Naruin coal mine in southern Kirghizia. Sov. Zdravookhr. Kirgizii. 3(5):110-116. (Abstract used).

Peus, F.

1942. Die Stechmücken und ihre Bekämpfung. Teil I. Die Fiebermücken des Mittelmeergebietes. Hyg. Zool., Leipzig, P. Schöps. 8:150 p.

Pletnjow, E.A.

1928. Zur Biologie und Ökologie der Mücken (Culicidae) des Tomsker Kreises. Arch. Naturgesch. Abt. A. 92(12):1-27.

Plyater-Plokhotskaya, V.N.

1939. Quelques observations sur le comportement des femelles de l'*Anopheles hyrcanus* Pall. dans la région d'Ussuri. Med. Parasit., Moscow. 8(4):71-74.

Pokrovskii, S.V.

1935. Essai d'obtenir les pontes hivernales d'*Anopheles maculipennis* en conditions de laboratoire. Rev. Microbiol., Saratov. 14(3):299-301.

Pokrovskaya, M., M. Dobrova & D. Zinkovskii

1927. The work of the travelling malaria unit of the Ryazansk-Uralsk railway. Russ. J. trop. Med. 5(2):94-104. (Abstract used).

Popov, P.P.

1924. The tropical institute and tropical diseases in Armenia. Russ. J. trop. Med. no. 3. 3-6. (Abstract used).

Prendel, A.R.

1941. The distribution of subspecies of *Anopheles maculipennis* in south-west Ukraine. Med. Parasit., Moscow. 10(1):65-70. (Abstract used).

. & A.A. Somov

1938. On the epidemiological importance of the subspecies of *Anopheles maculipennis*. Med. Parasit., Moscow. 7(6):860-873.

Prokopenko, L.I.

1945. An analysis of the causes of the severe epidemic of malaria in 1942 in the Urgut District of the Province of Samarkand and measures to prevent an increase in malaria morbidity in 1943. Med. Parasit., Moscow. 14(3):15-33. (Abstract used).

Puri, I.M.

1927. A note on the full-grown larvae of *Anopheles jamesi* Theobald, *A. fuliginosus* Giles, *A. pallidus* Theobald and *A. ramsayi* Covell (Culicidae, Diptera). Indian J. med. Res. 15(2):511-517.

1928. On two species of Indian Anopheline mosquitoes, *A. jeyporiensis*, James and *A. moghulensis*, Christophers. Indian J. med. Res. 16(2):513-518.

- 1928a. The relationship of certain morphological characters of Anopheline larvae to the classification of Indian Anopheline mosquitoes. Indian J. med. Res. 16(2):519-528.

1929. Description of the male, female, egg and larva of *Anopheles annandalei* var. *interruptus* nov. var., with corrections for the previous descriptions of the type species. Indian J. med. Res. 17(2):385-395.

- 1929a. A new tree-hole breeding *Anopheles* from South India - *Anopheles sintoni* sp. nov.- and a revised description of the larva of *A. culiciformis* Cogill. Indian J. med. Res. 17(2):397-404.

1930. A note on two species of Indian Anopheline mosquitoes - *A. insulaeflorum* Swellengrebel and *A. aitkenii* James, with its variety *bengalensis* nov. var. Indian J. med. Res. 17(3):953-956.

1936. The distribution of Anopheline mosquitoes in India: Additional records, 1931-1935. Rec. Malar. Surv. India. 6(2):177-211.

1948. The distribution of Anopheline mosquitoes in India, Pakistan, Ceylon and Burma. Part V. Additional records, 1936-1947. Indian J. Malar. 2(1-2):67-107.

Raevskii, G.E.

1942. An experiment on malaria zooprophyllaxis in the village Shitkala, Kabardino-Balkarian ASSR (1938-1940). Med. Parasit., Moscow. 11(4):11-21.

. & O.N. Vinogradskaya

1934. Natural conditions favouring the spread of malaria and the fauna of the Family Culicidae in the valley of the river Chu in the Kirghiz Autonomous Soviet Socialistic Republic. Med. Parasit., Moscow. 3(6):489-499. (Abstract used).

Raghavan, N.G.S.

1961. The vectors of human infections by *Wuchereria* species in endemic areas and their biology. Bull. World Hlth Org. 24(2):177-195.

Rajindar Pal

1943. On the longevity of *Anopheles fluviatilis* James under controlled conditions of temperature and humidity. J. Malar. Inst. India. 5(2):251-253.

Rakhmanova, P.I.

1940. The types of gonotrophic cycle in Anophelines in natural environmental conditions. Vop. Fiziol. Ekol. malyar. Komara. 1:96-112.

Ramsay, G.C.

1930. The factors which determine the varying degrees of malarial incidence in Assam tea estates and the fundamental principles governing mosquito control of Malaria in Assam. Trans. R. Soc. trop. Med. Hyg. 23(5):511-518.

- 1930a. Some findings and observations in an Anopheline malaria infectivity survey carried out in the Cachar District of Assam. Indian J. med. Res. 18(2):533-552.

- Rao, B.A. & M. Nassiruddin
1945. Malaria in the Irwin canal area, Mysore State. Part II. J. Malar. Inst. India. 6(2):109-128.
- Raynal, J. & H. Gaschen
1935. Méthode des précipitines appliquée aux anophèles. Resultats en Indochine-Nord. Bull. Soc. Pat. exot. 28(10):937-943.
- Reid, J.A.
1949. A preliminary account of the forms of *Anopheles leucosphyrus* Dönitz (Diptera, Culicidae). Proc. R. ent. Soc. Lond. (B). 18(3-4):42-53.
- & E.P. Hodgkin
1950. The *Anopheles umbrosus* group (Diptera, Culicidae). Part II. Biology and transmission of malaria. Trans. R. ent. Soc. Lond. 101(9):281-334.
- Reingard, L.V. & V. Goritzkaya
1939. Contribution au problème de la distribution des sous-espèces de l'*A. maculipennis* Meig. dans la région de Dnjeopetrovsk. Med. Parasit., Moscow. 8(5):72-76. (Abstract used).
- Reinhard, L.V. & A.V. Gutzevich
1931. Notes on the ecology of mosquitoes. Parasit. Sb. 2:119-134. (Abstract used).
- Reitler, R. & H. Saliternik
1929. Über Anophelenwanderung. Arch. Schiffs- u. Tropenhyg. 33(3):170-181.
- Riley, W.A.
1932. An annotated list of Canton, China, mosquitoes, based on collections by the late C.W. Howard. Lingnan Sci. J. 11(1):25-35.
- 1932a. Dyar's Canton species of *Aedes* mosquitoes. Lingnan Sci. J. 11(2):283-285.
- Riley, W.A. & L.Y. Wu
1932. The Anopheline mosquitoes of China. Lingnan Sci. J. 11(2):175-191.
- Robertson, R.C.
1940. Malaria in western Yunnan with reference to the China-Burma highway. Chin. med. J. 57(1):57-73.
- & S.M.K. Hu
1934. Mosquito control. An entomological field research station for mosquito study in the Shanghai district. China J. 20(6):344-356.
- Rodenwaldt, E.
1934. *Filaria malayi* im Delta des Serajoe II. Meded. Dienst Volksgezondh. Ned.-Indië. 23(1):21-43. (Abstract used).
- Roper, R.
1914. An account of some Anopheline mosquitoes found in British North Borneo, with description of a new species. Bull. ent. Res. 5(2):137-147.
- Roukhadzé, N.
1925. La campagne antipaludique à Gagry en 1923 et 1924. Bull. Soc. Pat. exot. 18(5):389-392.
- 1925a. La parasitologie et l'épidémiologie du paludisme en Abkhasie (Géorgie). Bull. Soc. Pat. exot. 18(4):327-343.
- 1926. Un exemple de l'influence de la stabulation des animaux sur la diminution du paludisme en Géorgie. Bull. Soc. Pat. exot. 29(2):100-105.
- 1926a. *Anopheles nigripes*, Staeg. (1839) en Abasie (Géorgie). Bull. Soc. Path. exot. 19(5):337-339.

Roukhadzé, N.

- 1926b. L'hibernation des Anophèles et des *Stegomyia* en Abasie (Géorgie maritime).
Bull. Soc. Path. exot. 19(6):480-487.

1929. Zur Biologie des *Anopheles nigripes*. Nachr. trop. Med. 2(5):336-344.
(Abstract used).

1935. The deviation of *Anopheles maculipennis* Meig. by domestic animals and the importance of this phenomenon in the prophylaxis of malaria. Med. Parasitol. 4(1-2):121-125.

Roy, D.N.

1931. The natural breeding habits of *A. stephensi* as observed in Calcutta. Indian J. med. Res. 19(2):617-628.

1943. The role of *Anopheles subpictus* Grassi as a carrier of malaria. J. Malar. Inst. India. 5(1):117-121.

. & T.C. Biswas

1942. On the importance of *Anopheles pallidus* as a carrier of malaria in Udaipur State Central Provinces. J. Malar. Inst. India. 4(3):417-420.

. & A.W.A. Brown

1954. Entomology (medical and veterinary) including insecticides and insect and rat control. Entomology (medical and veterinary). Second Edition, Excelsior Press, Calcutta. 413 p.

Rozeboom, L.E.

1951. A new species of *Anopheles* from the Philippine Islands (Diptera, Culicidae). J. Parasit. 37(5):502-506.

. & B.D. Cabrera

1964. Filariasis in Mountain Province, Luzon, Republic of the Philippines. J. med. Ent. 1(1):18-28.

Rudnick, A., W. McD. Hammon & G.E. Sather

1962. A strain of Sindbis virus isolated from *Culex bitaeniorhynchus* mosquitoes in the Philippines. Amer. J. trop. Med. Hyg. 11(4):546-549.

Ruibinskii, S.V. & M.S. Levit

1934. Die Fischzucht als Bekämpfungsmittel der Malaria in der Ukraine. Rev. Microbiol., Saratov. 13(2):151-159.

Russell, P.F.

1931. Daytime resting places of *Anopheles* mosquitoes in the Philippines. First report. Philipp. J. Sci. 46(4):639-648.

1934. A neglected early reference to the malaria vector in the Philippines. Amer. J. trop. Med. 14(4):339-342.

1935. The automatic distribution of Paris Green for control of *Anopheles* larvae. Trans. 9th Congr. Far East. Ass. trop. Med., Nanking. 2:223-232.

1956. World-wide malaria distribution, prevalence, and control. Amer. J. trop. Med. Hyg. 5(6):937-965.

. & F.E. Baisas

1935. Habitats of Philippine *Anopheles* larvae. Philipp. J. Sci. 55(4):297-306.

. & V.P. Jacob

1942. On the epidemiology of malaria in the Nilgiris District, Madras Presidency. J. Malar. Inst. India. 4(3):349-392.

Russell, P.F. & T. Ramachandra Rao

1941. On seasonal prevalence of *Anopheles* species in south-eastern Madras. J. Malar. Inst. India. 4(2):263-296.

_____, L.E. Rozeboom & A. Stone

1943. Keys to the Anopheline mosquitoes of the world with notes on their identification distribution, biology, and relation to malaria. Philadelphia, Pa., Amer. ent. Soc. 152 p.

Rybinsky, S.B.

1933. Matériaux concernant la faune des moustiques de l'Ukraine du Nord-Ouest. I. Les moustiques du Polessié de l'Ukraine. Bull. Soc. zool. Fr. 58(1):18-29.

Sabin, A.B.

1950. Search for virus of Japanese B Encephalitis in various Arthropods collected in Japan in 1946-1947. Amer. J. Hyg. 51(1):36-62.

Sabit, M.

1927. Beiträge zum Studium der Morphologie und Biologie der Anopheleslarven in der Umgebung von Aidin. Abh. Auslandsk. 26. Ser. D. (Med.), (2):292-298.

Saliternik, Z.

1933. The breeding of *Anopheles mauritanus* in Palestine. Bull. ent. Res. 24(3):343-344.

_____, & O. Theodor

1942. On a new variety of *Anopheles turkhudi* from Palestine. J. Malar. Inst. India. 4(4):429-434.

Sasa, M. & K. Ishimura

1951. A new species of mosquito, *Aedes (Finlaya) bunanoki*, n.sp. from Aomori, Japan. Jap. Jour. exp. Med. 21:103-108.

_____, & A.B. Sabin

1950. Exological studies on the mosquitoes of Okayama in relation to the epidemiology of Japanese B Encephalitis. Amer. J. Hyg. 51(1):21-35.

_____, R. Kano & S. Hayashi

1950. A new species of mosquito, *Aedes koreicoides* n.sp. from Hokkaido. Jap. J. exp. Med. 20(5):626-629.

_____, _____ & H. Takahasi

1950. A revision of the adult Japanese mosquitoes of the genus *Aedes*, subgenus *Aedes*, with description of two new species. Jap. J. exp. Med. 20(5):631-640.

_____, _____, S. Hayashi, A. Miura, K. Oyama, K. Sato, H. Hosoya & K. Hasagawa

1950. Two years' observation on the seasonal activities and zoophilism of mosquitoes in Tokyo, by animal trap method. Jap. J. exp. Med. 20(4):509-517.

Sautet, J.

1941. Etude d'un spirochète du groupe *Sp. hispanicum* de Buen, 1926, agent causal de la fièvre récurrente libano-syrienne. Arch. Inst. Pasteur Alger. 19(2):240-247.

_____, & H. Marneffe

1943. Contribution à l'étude de l'exophilie de divers anophèles vecteurs du paludisme au Liban et au Soudan français. Bull. Soc. Pat. exot. 36(7-8):226-229.

Savitzkii, V.I.

1938. Ponte hivernale du *Culex pipiens* L. Med. Parasit., Moscow. 7(6):942-943. (Abstract used).

_____,

1941. *Anopheles bifurcatus* in the environs of Kiev. Med. Parasit., Moscow. 10(2):291-292.

Scanlon, J.E. & U. Sandinand

1965. The distribution and biology of *Anopheles balabacensis* in Thailand (Diptera, Culicidae). J. med. Entom. 2(1):61-69.

Scharff, J.W.

1927. An address on mosquitoes and malaria. Malay. med. J. 2(4):138-143.

Schule, P.A.

1928. Dengue fever: Transmission by *Aedes aegypti*. Amer. J. trop. Med. 8(3):203-213.

Searle, C.

1920. Bilharziasis and malaria during the Palestine campaign. J.R. Army med. Cps. 34(1):15-34.

Secrete

1916. Notes on mosquitoes. J. med. Ass. Formosa. no. 170. 1025-1028. (Abstract used).

Séguy, E.

1924. Les moustiques de l'Afrique mineure, de l'Egypte et de la Syrie. Paris, Paul Lechevalier. 257 p.

Sen, P.

1935. Some peculiarities in the breeding habits of the common *Aedes (Stegomyia)* mosquitoes of Calcutta. Rec. Malar. Surv. India. 5(3):211-212.

1941. Aquatic plants in the ecology of Anopheline mosquitoes. J. Malar. Inst. India. 4(1):113-137.

1948. Records of natural infectivity of *Anopheles* in West Bengal. Indian J. Malar. 2(4):239-245.

Sen, S.K.

1926. Experiments on the transmission of rinderpest by means of insects. Mem. Dept. Agric. India, Ent. Ser. 9(5):59-185.

Senevet, G.

1948. Nouvelles espèces d'*Anopheles*. (New species of Anophelines). Arch. Inst. Pasteur Algér. 26(2):149-161.

. & L. Andarelli

1956. Les anophèles de l'Afrique du Nord et du bassin méditerranéen Encycl. ent. (A). Paris, P. Lechevalier. 33:280 p.

Senior-White, R.

1919. *Toxorhynchites minimus* (Theob.). Spolia zeylan. 11(41):139-191.

1920. On the occurrence of coleoptera in the human intestine. Indian J. med. Res. 7(3):568-569.

- 1920a. A survey of the Culicidae of a rubber estate. Indian J. med. Res. 8(2): 304-325..

1922. Notes on Indian Diptera. Mem. Dept. Agric. India, Ent. Ser. 7(9):83-169.

1925. Notes on Ceylon mosquitoes, I. Spolia zeylan. 13(2):213-222.

1927. Notes on Ceylon mosquitoes, II. The larvae of the commoner non-Anopheline mosquitoes. Spolia zeylan. 14(1):61-73.

Senior-White, R.

1928. Algae and the food of Anopheline larvae. Indian J. med. Res. 15(4):969-988.

1928a. Physical factors in mosquito ecology. Part II. Indian J. med. Res. 16(1):11-30.

1934. Three years mosquito control work in Calcutta. Bull. ent. Res. 25(4):551-596.

1943. On malaria transmission in the Hazaribagh ranges, including Ranchi Plateau. J. Malar. Inst. India. 5(2):207-231.

1948. Malaria transmission in the light of modern evolutionary theory applied to malaria-carrying mosquitoes. Indian J. Malar. 2(1-2):13-33.

., & A.K. Adhikari

1939. On malaria transmission around the Chilka lake. J. Malar. Inst. India. 2(4):395-423.

., & V. Venkat Rao

1943. On malaria transmission around Vizagapatam. J. Malar. Inst. India. 5(2):187-205.

., A.K. Adhikari, V. Ramakrishna & B.B. Roy

1943. On malaria transmission on the Orissa coastal plain. J. Malar. Inst. India. 5(2):159-186.

Sergeeva, Z.D.

1939. Species of animals on which fed *Anopheles maculipennis* in districts of White Russia (BSSR). Med. Parasit., Moscow. 8(6):89-90. (Abstract used).

1940. Larves d'*Anopheles* dans les exploitations de tourbe de BRSS. Med. Parasit., Mosccw. 9(6):642-643. (Abstract used).

Severn, A.G.M.

1926. The mosquitoes of Hongkong. Caduceus. 5(1):5-9.

Shakhmatov, A.P.

1926. Malaria in the Chulim region according to the expedition of 1925. Russ. J. trop. Med. no. 2. 25-40.

Shakhov, S.D.

1926. The yellow fever mosquito *Aedes argenteus* Poir. (*calopus*, Mg.) according to observations of the entomological expedition in Abkhasia. Rev. Microbiol., Saratov. 5(1-2):33-42.

1928. A year's work at the entomological laboratory of Eskhar. Russ. J. trop. Med. 6(9):545-555. (Abstract used).

1928a. The black-legged malaria mosquito (*Anopheles plumbeus*, Hal.) in the Ukraine. Rev. Microbiol., Saratov. 7(1):23-34.

Shapiro, J.M.

1933. Rural malaria control in Palestine. J. Egypt. med. Ass. 16(8):850-857.

., Z. Saliternik & S. Belferman

1944. Malaria survey of the dead sea area during 1942, including the description of a mosquito flight test and its results. Trans. R. Soc. trop. Med. Hyg. 38(2):95-116.

Shchelkanovtzev, Ya.P.

1926. A contribution to the knowledge of the mosquito fauna of south-eastern R.S.F.S.R. Bull. Soc. Nat. Voronèje. 1(2-4):123-133.

1928. On some species of mosquitoes of the genus *Aedes*, Mg., from the environs of the town of Voronezh. Bull. Soc. Nat. Voronèje. 2(2):57-71.

Shingarev, N.I.

1926. New information on Culicidae of U.S.S.R. Russ. J. trop. Med. no. 2. 47-48. (Abstract used).

- 1926a. La revision des Anophèles de Russie. Bull. Soc. Pat. exot. 19(10):896-899.

1928. Notes on Culicidae, III. Russ. J. trop. Med. 6(1):47-53. (Abstract used).

1929. Sur les moustiques vecteurs de la dengue. Russ. J. trop. Med. 7(3):168-170.

Shipitzina, N.K.

1934. Les types des abris d'*Anopheles maculipennis*, observés dans la plaine littorale de Daguestane (Caucase). Med. Parasit., Moscow. 3(6):501-516. (Abstract used).

1941. The entomological basis of the epidemiology of malaria in Adler District (Caucasus). Med. Parasit., Moscow. 10(1):9-24. (Abstract used).

Shipova, A.A.

1936. Durée du vol des anophèles du moment de l'hibernage. Med. Parasit., Moscow. Med. Parasit., Moscow. 5(6):937-941. (Abstract used).

Shirinov, A.Sh.

1937. Expériences avec des larves d'*Anopheles maculipennis* Mgn. dans l'eau de la Mer Caspienne. Med. Parasit., Moscow. 6(3):360-362. (Abstract used).

Shlenova, M.F.

1938. Sur la biologie des anophèles des environs de Sotchi. Med. Parasit., Moscow. 7(4):514-529.

1941. The biology of *A. plumbeus* and its epidemiological significance in Abkhazia. Med. Parasit., Moscow. 10(1):34-39. (Abstract used).

Shlyapina, K.V.

1933. Der Wasserfaktor in Bezirk Lissitschansk und der Einfluss der Vegetation in der Uferzone auf die Entwicklung der Larven von *Anopheles maculipennis* Mg. Med. Parasit., Moscow. 2(6):397-400. (Abstract used).

Shortt, H.E.

1924. The occurrence of malaria in a hill station. Indian J. med. Res. 11(3):771-789.

Shtakelberg, A.A.

1925. Materials for the identification of blood-sucking diptera of U.S.S.R., I. Genus *Anopheles*. Rev. Microbiol., Saratov. 4(2):20-42.

1937. Faune de l'URSS. Insectes Dipteres. Vol. III, no. 4. Fam. Culicidae (Subfam. Culicinae). Inst. zool. Acad. Sci. URSS. N.S., Moscow. no. 11. 258 p.

Siddons, L.B.

1944. Observations on the influence of atmospheric temperature and humidity on the infectivity of *Anopheles culicifacies* Giles. J. Malar. Inst. India. 5(3):375-388.

Siler, J.F., M.W. Hall & A.P. Hitchens

1926. Dengue: its history, epidemiology, mechanism of transmission, etiology, clinical manifestations, immunity, and prevention. *Philipp. J. Sci.* 29(1-2):304 p.

Simanin, P.I.

1930. Contribution to the question of experimental infection of mosquitoes with tropical malaria. *Parasit. Sb.* 1:37-44. (Abstract used).

Simmons, J.S. & T.H.G. Aitken

1942. The Anopheline mosquitoes of the northern half of the western hemisphere and of the Philippine Islands. (Distribution, habits, identification, importance as vectors, and control). *Army med. Bull.* no. 59. 205 p.

_____, J.H. St. John & F.H.K. Reynolds

1930. Transmission of dengue fever by *Aedes albopictus* Skuse. *Philipp. J. Sci.* 41(2):215-231.

_____, _____ & _____

1931. Experimental studies of dengue. *Philipp. J. Sci.* 44(1-2):251 p.

Sinton, J.A.

1917. The Anopheline mosquitoes of the Kohat District. *Indian J. med. Res.* 5(1):195-209.

_____.

1922. Entomological notes on field service in Waziristan. *Indian J. med. Res.* 9(3):575-585.

Smart, A.G.H.

1914. Epidemic malaria and construction works. *Trans. R. Soc. trop. Med. Hyg.* 7(7-8):251-258.

Smart, J.

1943. A handbook for the identification of insects of medical importance. London, Brit. Mus. (Nat. Hist.). 269 p.

Smith, L.F. & W.F.M. Loughnan

1914. Notes on fevers in Aden. *J.R. Army med. Cps.* 22(6):703-706. (Abstract used).

Soesilo, R.

1932. *A. philippinensis* en *A. pallidus*. *Geneesk.-Tijdschr. Ned.-Indië.* 72(8):523

_____.

1935. The *hyrcanus (sinensis)* problem in Java. (Preliminary report). *Meded. Dienst Volksgezondh. Ned.-Indië.* 24(2):68-71.

Srivastava, R.S.

1950. Malaria control measures in the Tarai area under the Tara' colonization scheme, Kicha, District Naini Tal: September 1947 to December 1948. First report. *Indian J. Malar.* 4(2):151-165.

St. Hilaire, C.

1925. Observations on the malaria mosquito (*Anopheles maculipennis*) near the town of Voronezh in 1923. *Bull. Soc. Nat. Voronèje.* 1(1):17-22. (Abstract used).

Stanley, A.

1913. Shanghai municipal council health department annual report, 1912. *J. trop. Med. (Hyg.).* 16(22):353-360.

Stanton, A.T.

1915. Notes on Sumatran Culicidae. *Indian J. med. Res.* 3(2):251-258.

Stefko, W.

1917. Dengue à Trébizonde (Turquie) en 1916. *Bull. Soc. Pat. exot.* 10(8):724

Stefko, W.G. & P.V. Botchkareff

1924. Sur quelques propriétés morphologiques du sang dans le paludisme. Bull. Soc. Pat. exot. 17(8):631-637.

Stoker, W.J. & R.W. Koesoemawinangoen, R.W.

1949. Illustrated map of the Anopheline faunas of Indonesia. 69 p.

Stone, A.

1961. A synoptic catalog of the mosquitoes of the world. Supplement I. (Diptera, Culicidae) Proc. ent. Soc. Wash. 63(1):29-52.

_____. & R.M. Bohart

1944. Studies on mosquitoes from the Philippine Islands and Australasia (Diptera, Culicidae). Proc. ent. Soc. Wash. 46(8):205-225.

_____. & D.S. Farner

1945. Further notes of the *Aedes scutellaris* group (Diptera, Culicidae). Proc. biol. Soc. Wash. 58:155-161.

_____. K.L. Knight & H. Starcke

1959. A synoptic catalog of the mosquitoes of the world (Diptera, Culicidae). The Thomas Say Foundation. Ent. Soc. Amer. 6:358 p.

Strahan, J.H. & V.H. Norris

1934. Notes on the incidence of the filariasis in Province Wellesley North. Malayan med. J. 9(2):44-47. (Abstract used).

Strickland, C.

1916. A new species of Protanopheline from Malaya, *Myzorchynchus hunteri*. Indian J. med. Res. 4(2):263-270.

- _____. 1916a. Considerations regarding an outbreak of malaria at Morib, Federated Malay States. Parasitology. 8(3):249-254.

- _____. 1925. A short key to both sexes of the Anopheline species of India, Ceylon and Malaya. Calcutta and Simla, Thacker, Spink & Co. 19 p.

_____. & K.L. Chowdhury

1927. An Anopheline survey of the Bengal Districts. Indian J. med. Res. 15(2):377-426.

_____. & _____

1930. Malaria and blackwater fever at Noamundi. Indian J. med. Res. 18(2):377-389.

Stuart, G.

1933. The Anopheline mosquitoes of Palestine. J. Egypt. med. Ass. 16(7):769-776.

Subramanian, R. & D.T. Dixit

1948. Observations on the vectors of malaria in Khandwa Tahsil, Nimar District, Central Provinces, and notes on the seasonal infectivity of Anopheles. Indian J. Malar. 2(4):313-322.

_____. & R.K.S. Gupta

1950. Malaria transmission in former Udaipur State, Central Provinces. Indian J. Malar. 4(1):91-96.

Suirevich-Boronenkova, A.S. & N.A. Zakhar'yantz

1946. On the phenology of *Anopheles* in the Kokand District of the Uzbek SSR. Med. Parasit., Moscow. 15(6):33-39. (Abstract used).

Sundar Rao, S.

1936. Filariasis in Patnagarh (Orissa Feudatory State). Indian J. med. Res. 23(4):871-879.

- Sundar Rao, S.
1940. Study of filarial infection in Ratanpur (Central Provinces). Indian J. med. Res. 28(2):609-613.
- Sundareshan, B. & M. Appa Rao
1943. The distribution of *Anopheles sundaicus* in Vizagapatam District; with notes on certain points of differentiation between the larvae of *A. sundaicus* and *A. subpictus*. J. Malar. Inst. India. 5(1):107-112.
- Sweet, W.C., L.C. Feng, C.Y. Chow & S.C. Hsu
1942. Anophelines of southwestern Yunnan and their relation to malaria. J. nat. Malar. Soc. 1:25-32.
- Swellengrebel, N.H.
1925. Report on the tour of investigation in Palestine in 1925. Part II. Chronicle Hlth Org. 52:35-66.
- 1925a. A summary of the more important facts on adult Anophelines and their larvae, observed by us or brought to our notice during our tour through Eastern Europe and Italy (May-September 1924). Geneva, Soc. des Nations. 19 p.
- , & J.M.H. Swellengrebel de Graaf
1920. List of the Anophelines of the Malay Archipelago with special reference to adults and larvae of new or incompletely described species or varieties. Bull. ent. Res. 11(1):77-92.
- Terdschanian, A.
1929. Die Malaria in Dagestan. Arch. Schiffs- u. Tropenhyg. 33(11):587-592.
- Theodor, O.
1924. Pupae of some Palestinian Culicines. Bull. ent. Res. 14(3):341-345.
- Thurman, Jr. D.C.
1955. *Culex (Culiciomyia) termi*, an unusual new mosquito from Thailand. (Diptera, Culicidae). Proc. ent. Soc. Wash. 57(1):17-23.
- Tishchenko, O.D.
1938. A propos de la question des variétés de l'*Anopheles maculipennis* dans les endroits d'hibernation en Ukraine. Med. Parasit., Moscow. 7(1):77-87. (Abstract used).
- Toumanoff, C.
1932. Sur les gîtes larvaires types des Anophèles au Tonkin. Bull. Soc. Pat. exot. 25(6):639-656.
- 1932a. Contribution à l'étude de la faune anophélienne d'altitude au Tonkin. Bull. Soc. Pat. exot. 25(7):770-788.
- 1932b. La transmission du paludisme au Tonkin en fonction de la physiographie des lieux (Note préliminaire). Bull. Soc. Pat. exot. 25(9):976-985.
- 1933. Sur le peuplement anophélien du bassin du Fleuve-Rouge au Tonkin. Bull. Soc. Pat. exot. 26(5):741-747.
- 1933a. Recherches sur la fréquence saisonnière de diverses espèces anophéliennes au Tonkin (Bassin du Fleuve-Rouge). 3e note: *A. (Neocellia) maculatus* (Theo.). Bull. Soc. Pat. exot. 26(8):1020-1022.

Toumanoff, C.

- 1933b. Recherches sur la fréquence saisonnière de diverses espèces anophéliennes au Tonkin (Bassin du Fleuve Rouge). Première note: *A. (Myz.) minimus* Theo. et *A. (Myz.) aconitus* Dñ. Deuxième note: *A. (Pseudomyzomyia) vagus* Dñ. Bull. Soc. Pat. exot. 26(6):857-863.

1934. Caractéristique des représentants du "rossi-ludlowi" groupe de l'Indochine. Première note: *A. subpictus* Grassi. Bull. Soc. méd.-chir. Indoch. 12(7):657-673.

- 1934a. Quelques faits sur les habitudes trophiques des anophélines d'Extrême-Orient. Bull. Soc. Pat. exot. 27(10):932-936.

1935. L'épreuve des précipitines appliquée à l'étude des habitudes trophiques chez quelques Culicines d'Extrême-Orient. Bull. Soc. Pat. exot. 28(10):943-948.

- 1935a. Relations entre l'armement maxillaire et l'exploitation relative de l'homme ou des animaux par les espèces anophéliennes indochinoises. Bull. Soc. Pat. exot. 28(10):948-958.

- 1935b. Etude de l'indice maxillaire de Roubaud en tant que méthode pratique d'investigation sur les aptitudes trophiques des espèces anophelinennes d'Extrême-Orient. Trans. 9th Congr. Far East. Ass. trop. Med., Nanking. 2:37-51.

. & J. Canec

1940. Quelques faits nouveaux au sujet de la transmission du paludisme dans la région des terres-rouges du Nord-Cochinchine. Bull. Soc. Pat. exot. 33(3):188-194.

. & M.E. Farinaud

1932. Sur la présence de *A. culicifacies* en Nord-Annam. Bull. Soc. méd.-chir. Indoch. 10(7):760-766.

. & S.M.K. Hu

1935. Sur le comportement trophique d'*Anopheles hyrcanus* var. *sinensis* dans la région de Shanghai. Bull. Soc. Pat. exot. 28(9):832-835.

Treillard, M.

1934. *Pseudomyzomyia ludlowi* en Indochine méridionale: variétés, biologie et pouvoir pathogène. Bull. Soc. Pat. exot. 27(6):554-559.

- 1934a. Tableau synoptique pour la détermination rapide des Anophèles d'Indochine. I. Adultes. Bull. Soc. Pat. exot. 27(8):751-753.

1942. *Anopheles hyrcanus* en Provence; morphologie et biologie; gîtes et refuges. Bull. Soc. Pat. exot. 35(1-2):14-18.

Trofimov, G.K.

1936. Constatation du *Culex tritaeniorhynchus* Giles dans le sud-est de la Transcaucasie. Med. Parasit., Moscow. 5(1):130-132. (Abstract used).

1939. Sur l'écologie des larves de *Anopheles pulcherrimus* Theo. dans la zone des steppes de Schirva affleurant de la rivière Koura (Transcaucasie). Med. Parasit., Moscow. 8(5):94-96. (Abstract used).

- Trofimov, G.K.
1942. Experiments on the cold resistance of the larvae of *A. pulcherrimus* Theob., and *A. bifurcatus* L. Med. Parasit., Moscow. 11(4):79-81. (Abstract used).
- Tseng, S. & I. Wu
1951. An ecological study of mosquitoes in Wuhan Area. Bull. ent. Res. 42(3):527-533.
- Tshinaev, P.P.
1945. Flying activity and attack on man of various species of *Anopheles* and Culicines under natural conditions in Uzbekistan. Med. Parasit., Moscow. 14(5):15-35.
- Ulitcheva, A.V.
1943. Anophelogenic role of the various types of waters of a rice region. Med. Parasit., Moscow. 11(6):38-47. (Abstract used).
- Urbino, C.M.
1937. The density of *Anopheles minimus* var. *flavirostris* Ludl. by trapping with human baits and its relation with the factors that influenced its variations. Mon. Bull. Bur. Philipp. Hlth Serv. 16(12):471-481.
- Ustinov, A.A.
1941. Seasonal changes of the size of *Anopheles maculipennis* in Abkhazia. Med. Parasit., Moscow. 10(3-4):457-458. (Abstract used).
- Val'kh, S.B.
1939. *Anopheles hyrcanus* Pall. dans la région de Voroshilovgrad (Ukraine). Med. Parasit., Moscow. 8(1):150.
- van Beukering, J.A.
1939. Filariallarve in een *Anopheles ludlowi*. Geneesk.-Tijdschr. Ned.-Indië. 79(18):1114.
- Vassiliev, I.V.
1913. *Cellia pulcherrima*, Theo., with some new facts as to the date of appearance and wintering of *Anopheles bifurcatus*, L., in Turkestan. Memoirs of the Bureau of Entomology of the Scientific Committee of the Central Board of Land Administration and Agriculture, St. Petersburg. 10(6):20 p. (Abstract used).
- Veisig, S.Ya.
1935. On the hibernation of the larvae of *Anopheles plumbeus* Steph. Med. Parasit., Moscow. 4(5):392-393. (Abstract used).
- Velichkevich, A.I.
1935. New data on the biology of *Anopheles* and on the epidemiology of malaria in the southern coast of the Crimea. Med. Parasit., Moscow. 4(6):481-485.
- Vel'tishchev, P.A.
1943. Contribution to the question of the distribution of the representatives of the genus *Anopheles* (Diptera, Culicidae) in the northern part of southern Kazakhstan. Izv. kazakh. Fil. Akad. Nauk SSSR (Ser. zool.) no. 2. 23-29. (Abstract used).
- Venhuis, W.G.
1941. De vindplaatsen van geïnfecteerde *Anopheles maculatus* tijdens een epidemic in Oost-Java. Geneesk.-Tijdschr. Ned.-Indië. 81(41):2178-2188.
- Vinogradskaya, O.N.
1936. Le cycle gonotrophique d'*Anopheles superpictus* Grassi comparé à celui d'*A. maculipennis sacharovi* Favre. Med. Parasit., Moscow. 5(2):192-202. (Abstract used).
- Viswanathan, D.K.
1950. Malaria and its control in Bombay State. Poona. 263 p.

Viswanathan, D.K., Sribas Das & A.V. Oommen

1941. Malaria-carrying Anophelines in Assam, with special reference to the results of twelve months dissections. J. Malar. Inst. India. 4(2):297-306.

Vlasenko, N.M.

1936. Zur Malarologie des Raions Bratsk von Ost-Siberien. Bull. Inst. sci. Biol. Géogr. Irkutsk. 7(1-2):141-186. (Abstract used).

Vogel, R. & E. Martini

1927. Über die Oekologie der Anopheleen in Anatolien. Abh. Auslandsk. Ser. D. 26(2):298-308.

Voskressenskii, B. & H. Brenn

1928. Das Trockenlegen der Reisfelder für kurze Zeit als prophylaktisches Mittel im Kampf gegen die Malaria in Aserbeidshan. Arch. Schiffs- u. Tropenhyg. 32(1):37-40.

Walker, E.L. & M.A. Barber

1914. Malaria in the Philippine Islands: I. Experiments on the transmission of malaria with *Anopheles (Myzomyia) febrifer*, sp. nov., *Anopheles (Pseudomyzomyia) rossii*, *Anopheles (Myzorrhynchus) barbirostris*, *Anopheles (Myzorrhynchus) sinensis*, and *Anopheles (Myzorrhynchus) maculatus*. Philipp. J. Sci. Sec. B. 9(5):381-439.

Watson, M.

1924. Observation on malaria control, with special reference to the Assam tea gardens, and some remarks on Mian Mir, Lahore Cantonment. Trans. R. Soc. trop. Med. Hyg. 18(4):147-161.

Wharton, R.H.

1947. Notes on Australian mosquitoes (Diptera, Culicidae). Part VII. The genus *Harpogomyia*. Proc. Linn. Soc. N.S.W. 72(1-2):58-68.

1952. The behavior and mortality of *Anopheles maculatus* and *Culex fatigans* in experimental huts treated with DDT and BHC. Bull. ent. Res. 42(1):1-18.

1953. The habits of adult mosquitoes in Malaya. III. Feeding preferences of Anophelines. Ann. trop. Med. Parasit. 47(3):272-284.

1957. Studies on filariasis in Malaya: Observations on the development of *Wuchereria malayi* in *Mansonia (Mansonioides) longipalpis*. Ann. trop. Med. Parasit. 51(3):278-296.

- 1957a. Studies on filariasis in Malaya: the efficiency of *Mansonia longipalpis* as an experimental vector of *Wuchereria malayi*. Ann. trop. Med. Parasit. 51(4):422-439.

& J.A. Reid

1950. DDT and Gammexane as residual insecticides against *Anopheles maculatus* in Malaya. Nature, Lond. 165(4181):28-29.

Wijesundara, D.P.

1942. Notes on the mosquito fauna of rot-holes in trees and bamboo stumps in Ceylon. J. Malar. Inst. India. 4(4):451-456.

Wilcocks, C.

1944. Medical organization and diseases of Burma before the Japanese invasion. Trop. Dis. Bull. 41(8):621.

- 1944a. Medical organization and diseases of the Andaman and Nicobar Islands before the Japanese invasion. Trop. Dis. Bull. 41(9):703.

Wilcocks, C.

- 1944b. Medical organization and diseases of Thailand before the Japanese invasion. Trop. Dis. Bull. 41(10):791.

- 1944c. Medical organization and diseases of Indo-China before the Japanese invasion. Trop. Dis. Bull. 41(10):837.

- 1944d. Medical organization and diseases of the Netherlands East Indies before the Japanese invasion. Trop. Dis. Bull. 41(12):983.

Williamson, K.B.

1925. Annual report of the malaria bureau, institute for medical research, Federated Malay States. for the year 1924. Kuala Lumpur. p. 25-28.

Wu, C.F.

1940. Catalogus insectorum sinensium (Catalogue of Chinese insects). The Fan Memorial Institute of Biology, Peiping, China. 5:524 p.

Wu, S.C.

1936. Further notes on the mosquitoes collected in a few famous localities of Chekiang and Anhwei. Ent. & Phytopath., Hangchow. 4(23):462-463.

- 1936a. The eggs of some Chinese Anopheline mosquitoes. Ent. & Phytopath., Hangchow. 4(13):261-273.

Yakimov, A.L. et al.

1917. Microfilaires des animaux au Turkestan russe. Bull. Soc. Pat. exot. 10(2):102-105.

Yamada, M.

1937. A new species of *Anopheles* in Chosen (Korea). Keijo J. Med. 8(3):237-255.

Yamada, S.

1925. A revision of the adult Anopheline mosquitoes of Japan: Systematic descriptions, their habits and their relations to human diseases, together with an account of three new species. Sci. Rep. Inst. infect. Dis. Tokyo Univ. 3:215-241.

- 1925a. A revision of the adult Anopheline mosquitoes of Japan: systematic descriptions, their habits and their relations to human diseases (Part II). Sci. Rep. Inst. infect. Dis. Tokyo Univ. 4:447-493.

1928. An experimental study on twenty-four species of Japanese mosquitoes regarding their suitability as intermediate hosts for *Filaria bancrofti* Cobbold. Sci. Rep. Inst. infect. Dis. Tokyo Univ. 6:559-622.

— & K. Komori

1927. From what point of the proboscis of the mosquito do developed larvae of *Filaria bancrofti* escape? Sci. Rep. Inst. infect. Dis. Tokyo Univ. 5:647-651.

Yao, Y.T., C.C. Wu & Y.S. Pei

1943. Some epidemiological factors of malaria in Mangshih, Yunnan, with remarks on the occurrence of blackwater fever. Chin. med. J. 61(3):197-211.

Yarovaya, A.M.

1941. The species of *Anopheles* and the subspecies of *Anopheles maculipennis* in the Poltava region. Med. Parasit., Moscow. 10(3-4):451-453. (Abstract used).

Yatzenko, F.I.

1926. Some observations on *Anopheles hyrcanus*, Pall. (*pseudopictus*, Gr.).
Russ. J. trop. Med. no. 4. 7-8. (Abstract used).

1927. On the ecology of *Anopheles bifurcatus*, L., in the Crimea. Russ. J. trop. Med. 5(9):574-583. (Abstract used).

_____. & M. Yu. L'vovich

1936. Material for the characteristics of *Anopheles maculipennis messeae*, Fall. found in the environs of Kharkov. Med. Parasit., Moscow. 5(4):630-631. (Abstract used).

Zaikin, N.G.

1929. *Anopheles bifurcatus* dans l'Arrondissement de Penza. Russ. J. trop. Med. 7(9):631.

1946. Fifteen years phenological observations on the malaria mosquitoes of the town of Penza. Med. Parasit., Moscow. 15(6):28-32. (Abstract used).

Zaitzev, F.A.

1934. The mosquitoes of Caucasus. Trud. zool. Sekt. gruzinks. Otd. Akad. Nauk SSSR. 1:1-31.

Zavoiskaya, V.K.

1942. An experiment on malaria zooprophylaxis in a village on the Kutuluk Barrage lake. Med. Parasit., Moscow. 11(4):38-46.

Zhelokhovtzev, A.N.

1937. Notes sur la synonymie des anopheles palearctiques. Med. Parasit., Moscow. 6(5):707-709.

Ziony, M.

1950. Malaria control in Iran. Rešume' of reports made by Dr. Justin M. Andrews and Lawrence B. Hall. Publ. Hlth Rep., Wash. 65(11):351-367.

Zolotarev, E. Kh.

1945. *Anopheles maculipennis* of North Iran. Med. Parasit., Moscow. 14(2):50-57. (Abstract used).

Zolotnikova, I.E.

1929. Observations on *Anopheles plumbeus* Hal., In Sukhum. Nachr. trop. Med., Tiflis. 2(7):505-508. (Abstract used).

Zvyagintzev, S.N.

1939. Un cas de ponte de l'*Anopheles hyrcanus* Pall. dans un cuveau rempli d'eau. Med. Parasit., Moscow. 8(3):361-362. (Abstract used).