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HEADQUARTERS
QUARTERMASTER RESEARCH & ENGINEERING COMMAND
U S ARMY

TECHNICAL REPORT

ES-4

CLASSIFICATION AND CODING SYSTEM
OF WORLD LITERATURE ON ARTHROPODS

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QUARTERMASTER RESEARCH & ENGINEERING CENTER
EARTH SCIENCES DIVISION

AUGUST 1962

NATICK, MASSACHUSETTS

AD- Div. 16 Accession No.	UNCLASSIFIED	AD- Div. 16 Accession No.	UNCLASSIFIED	AD- Div. 16 Accession No.	UNCLASSIFIED
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The system has been used for recording information on more than 40,000 keywort punch cards. These cards are filed at Cornell University where this work was performed under contract. From these cards summary reports for all countries in North America, South America, Africa, and Southeast Asia, and for Australia and islands in the Pacific Ocean have been prepared.

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QUARTERMASTER RESEARCH & ENGINEERING COMMAND, US ARMY
Quartermaster Research & Engineering Center
Natick, Massachusetts

EARTH SCIENCES DIVISION

Technical Report
ES-4

CLASSIFICATION AND CODING SYSTEM
FOR COMPILATIONS FROM THE WORLD LITERATURE ON INSECTS AND OTHER
ARTHROPODS THAT AFFECT THE HEALTH AND COMFORT OF MAN

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Project Reference:
7X83-01-008

August 1962

FOREWORD

A knowledge of the geographical distribution, seasonal activity, and habitat characteristics of insects and related arthropods that directly affect troops is important in pest control during military operations. The magnitude and significance of insect problems have been emphasized during the past two decades by experiences in World War II and the Korean conflict. The continuing reports of insecticide resistance in insects and other arthropods stress the need for basic information to support the control programs.

Despite the number of military and civilian agencies working on insect problems, no world-wide consolidation of information on distribution and habitats of arthropod vectors into one source of reference has ever been accomplished. To furnish this information on those species that directly affect man, contracts were negotiated with Cornell University, Ithaca, New York, to search the world literature to: (1) classify and code useful data onto punch cards and (2) summarize the information pertaining to geographical distribution, seasonal occurrence, and habitats into reports for all world areas.

Before the actual assembling of this information, a 4-volume classification and coding system to this work was prepared by entomologists at Cornell University. The present report represents the amalgamation of these volumes. It is the key to the use of the information on the punch cards, now located at Cornell, and to the country summary reports, now in manuscript form in the Earth Sciences Division, this Center.

It is planned to complete the consolidation of information on insects for all countries of the world and it is hoped that arrangements can be made to publish summary reports so that these data will be available to all military entomologists and other interested scientists.

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ABSTRACT

A system of classifying and coding entomological information from the world literature on arthropods which affect the health and comfort of man on punch cards has been developed to provide a method for readily recovering this information for immediate use.

More than 700 journals and other scientific publications from which data for coding may be drawn are listed. Titles are arranged alphabetically and are numbered for entry on punch cards, which also indicate the author and date of publication.

A geographic code for the world, based principally upon present political boundaries and listing major administrative subdivisions for most countries, indicates the geographical areas for recording entomological data on punch cards. A world map is inclosed to aid in the identification of the major geographical entries. World faunal areas, which are shown on the map, are assigned code numbers.

The classification for subject matter contains 9 categories of information for which space is assigned on the cards. Included are designations for genus, species, geographical range, seasonal activity, breeding habitat, and disease relationships.

The system has been used for recording information on more than 40,000 Keysort punch cards. These cards are filed at Cornell University where this work was performed under contract. From these cards summary reports for all countries in North America, South America, Africa, and Southeast Asia, and for Australia and islands in the Pacific Ocean have been prepared.

COMPLETED REFERENCE
FOR COUNTRY (CC)

PUBLICATION DATE AUTHOR

FAUNAL REGION (C)

SUBDIVISION (SUBCOUNTRY) (B)

MAJOR DIVISION (COUNTRY) (A)

BREEDING HABITAT OR
ARTHROPOD GROUP
(AN EXPANSION SECTION) (I)

SPECIES (H)

GENUS (G)

TAXONOMIC
INDEX

DISEASE ORGANISMS
DISEASE VECTOR (F)

DISEASE ORGANISMS (E)

SEASONAL ACTIVITY (D)

REFERENCE

SAMPLE PUNCHED CARD

MONTHS ACTIVITY
(STAMP)

Fig. 1 General plan for coding data on arthropods on the punch cards

CLASSIFICATION AND CODING SYSTEM
FOR COMPILATIONS FROM THE WORLD LITERATURE ON INSECTS AND OTHER
ARTHROPODS THAT AFFECT THE HEALTH AND COMFORT OF MAN

INTRODUCTION

1. Recording information on cards

a. Scope of this report

The past two decades have revealed the inadequate understanding of the worldwide distribution of arthropods that annoy man or are involved in the transmission of human diseases. Important operations of both military and civilian organizations have been handicapped because information on local pest and disease problems, especially for unfamiliar areas, was not readily available in a usable form. In trying to obtain pertinent information, much time has been lost in searching through the many publications and papers of the voluminous literature on insects and other arthropods.

To remedy this situation, the Office of The Quartermaster General in coordination with the Office of The Surgeon General and the Department of Agriculture, negotiated a contract with Cornell University, under which the Department of Entomology assembled information from the world literature and other sources on arthropods of medical importance. The scope of this work required a listing of these arthropods, classified by species and geographical areas, and including such information as geographical distribution, seasonal activity, habitat conditions, disease relationships, and other biological data.

Because of the enormous amount of literature to be reviewed and abstracted, it was decided to (1) place the information from the references on McBee Keysort cards and then to (2) prepare summary reports for each country of the world.

To date, information has been coded on more than 40,000 punch cards, and summary reports have been prepared for all countries in the Western Hemisphere, Africa, Australia, Southeast Asia and adjacent islands. In addition, the Keysort cards contain incomplete information for the rest of the world.

This report contains the classifying and coding system used for recording information onto the punch cards and from them into the country summary reports. It provides a valuable tool for the use of this information by military entomologists and other interested scientists.

b. Definition and list of "arthropods that affect the health and comfort of man"

"Arthropods that affect the health and comfort of man," as used in this work, are those species which are associated with human diseases or which annoy man by their presence or biting, or both. They are also often referred to as "arthropods of medical importance." For the purpose of this work, they have been grouped into the following categories:

mosquitoes
horse flies
sand flies
black flies
fleas
ticks
mites

bugs
biting flies
non-biting flies
midges
urticating and
vesicating arthropods
miscellaneous arthropods

Arthropods of known cosmopolitan distribution, such as house flies and human lice, are not listed unless a record has some unusual feature.

c. Use of scientific names

The scientific names which designate the species of arthropods included in this work are, for the most part, those which appear in the literature. In only a few cases has there been any attempt to straighten out the synonymy. For a few well-known species (e.g., Aedes aegypti), only the valid name is recorded, and information in the literature under any of the synonyms is entered under the valid name. In other cases where synonymy is given in comprehensive lists or in monographs, the data from all references are tabulated under the valid name. Occasionally such a list or monograph has been used for its treatment of synonymy in spite of its having no reference to the particular country. In such cases, the work will not be cited in the reference column of the country summary reports, but it will be listed in the bibliography with a note explaining its use. Appendix A contains a list of the principal references used for synonymy for this work.

In tabulating data for the summary reports one of the unsolved problems has been the necessity to include species names that are known to be invalid but which have not been removed from the literature. For instance, in the United States it is necessary to list the name Anopheles maculipennis with many states because this name is still included in the state lists. However, this species, without doubt, is in most cases Anopheles earlei. Similarly, most of the records for Anopheles occidentalis should be for Anopheles earlei. Since the names occur in the literature and have not been invalidated by publication of synonymy, it may even happen that all three names occur for certain states. Some of these name complications are known, but until the changes can be documented, it is necessary to list such names. There are undoubtedly many more similar cases, but the taxonomists who are specialists on the various arthropod groups must themselves correct these errors.

d. Source of references used on punch cards

Cards for the basic reference file have been prepared by photographing abstracts and reviews from the Review of Applied Entomology, Series B, and then fastening these prints to individual Keysort cards. Additional references have been obtained from the Tropical Disease Bulletin and data

have been used from the individual papers in the literature. Although the card file has not yet been checked against the Zoological Record to assure complete coverage of the literature, there are now approximately 40,000 reference cards in the file.

e. Arrangement of coded data on punch card

For coding purposes, the margins of the card are divided into sections, which are separated into fields with a double row of holes. As shown in Figure 1 (a through e), sections have been assigned for data on publication, date of reference, author, and for specific subject matter. The lettered sections have been assigned as follows:

- CC - punched when reference data have been included in a country summary report
- A - major geographic division or country designation
- B - subcountry or country subdivision
- C - faunal region
- D - seasonal activity
- E and F - disease(s) (two diseases may be entered: 1 in E and 1 in F, or 1 disease in E and data about the vector in F)
- G - genus
- H - species
- I - breeding habitat or arthropod group
- J, K, L - general subject matter
- M - century of publication; other special uses

The fields comprising the sections of the card are arranged as hundreds, tens, and units, making it possible to index information by code numbers according to the decimal system. With some exceptions, as can be seen on the sample card, Figure 1, there are six holes in a typical field. The three on the outer margin are assigned numbers 4, 2, and 1, and the hole under number 4 is assigned number 7. The two holes under numbers 2 and 1 are unnumbered. Each group of six field-holes thus allows the coding of any of the 9 digits. The digits 1, 2, 4, and 7 can be indexed directly, but digits 3, 5, 6, 8, and 9 require the use of two of the numbered holes. For instance, for digit 8, holes 7 and 1 are used; for digit 3, holes 1 and 2 are used. Note that no hole has been assigned the digit 0; thus, if no hole is punched, 0 is indicated.

A special hand punch is used to enter the code numbers on the card. The punch cuts a slot which extends from the edge of the card to the desired margin hole. For example, in the punched sample, Fig. 1c, the number 256 has been indexed in Section "A" (bottom of the card) by punching the number 2 in the hundreds field, 5 (that is, 4 plus 1) in the tens field, and 6 (that is, 4 plus 2) in the units field.

The unnumbered holes in the sections can be used for special coding. Their use for routine purposes, however, is avoided because extra steps are required in sorting the cards when these holes are punched. The hole under number 2 is called "drop 2," and the hole below number 1 is called "drop 1."

2. Recovering and using information on cards

a. Instructions for sorting cards to recover information

The Keysort card system is so designed that when a needle is inserted in any given hole in a pack of cards, all the numbers whose coding requires a punch through that hole will fall from the needle. For example, when the needle is inserted in the 4 hole, all the cards using hole 4 will fall from the needle. Since hole 4 is used to form other digits, when hole 4 is needled, all the cards punched for digits 4, 5, 6, 7, 8, and 9 will fall out. Thus, multiple needling may be necessary to separate an individual number from a pack of cards. For example, to separate just the number 4, three needlings are required. The steps are as follows:

Steps in separating #4 only

- a) Needle hole 7, and the 7, 8, and 9 digits will fall, leaving only 4, 5, and 6's on the needle.
- b) Needle hole 2 in the group that remains from step "a", and this will leave 4's and 5's on the needle.
- c) Needle hole 1 in the group that remains from step "b", and the 5's will drop, leaving only 4's on the needle.

Careful consideration of the above example will indicate the needling necessary to separate any digits in any field.

If a large stack of cards has to be sorted, an examination of the slotted edges will often show which hole should be needled first to eliminate as many cards as possible with one needling. That is, in the above example, if examination showed that most of the 1 holes had been punched, needling first through this hole would immediately drop off most of the cards in the stack which cannot be 4's.

In general, those who use the card file will be interested in two types of sorting: 1) Selective sorting and 2) Sequence sorting. The first type of sorting aims at separating all the cards in the file coded with a particular number in a particular section; the second type aims at arranging all or a selected part of the file in such a way that the index categories in a particular section are in numerical order. Since all the cards in the file cannot be needled at once, each type of sorting will involve two phases: 1) Breakdown sorting and 2) Fine sorting, as described below.

1) Selective sorting

Breakdown-sorting phase. The objective of this sorting is to separate the file into two parts: one, as large as possible, which can not contain the wanted code number; the other, as small as possible, which can contain this number. The following steps are suggested for performing the desired separation:

Steps in breakdown-sorting phase (selective)

- a) Determine which holes in the section involved would have been punched for the number desired.
- b) Take a stack of cards which will conveniently fit on the needle (a stack about 2 inches thick will usually be convenient).
- c) Examine the edge of the cards and needle a hole which will eliminate as many undesired cards as possible. According to the hole selected, the desired card(s) may either fall or remain on the needle.
- d) Repeat the needling procedure on successive stacks of cards, placing all cards which contain the desired number in one pile and those that cannot contain it in another pile.
- e) When all the cards involved have been handled, repeat the entire procedure on the pile of cards that can contain the desired number, using a different hole. Continue eliminating until the desired cards are obtained.

Fine-sorting phase. This sorting is only a continuation of breakdown sorting. When the stack is reduced to about 20 cards, it will save time to sort the cards manually.

2) Sequence sorting

Breakdown-sorting phase. The purpose of this sorting is to break the entire file, or a selected part of the file, into serial piles of cards small enough to be handled conveniently on the needle (i.e., stacks no more than 2 inches thick). These small stacks are then put into final order by fine sorting. The following steps are suggested:

Steps in breakdown-sorting phase (sequence)

- a) Take a stack of convenient size, and needle through the highest numbered hole in the highest field in the section

concerned. (For example, in Section "A" this will be hole 4 in the hundreds field; in Section "I" it will be hole 2 in the tens field; and in Section "C" it will be hole 7 in the units field.) Place the cards that fall in a pile to one side.

- b) Then needle through the next highest numbered hole in the field and each successively lower numbered hole, working from left to right.
- c) Continue in the next field, beginning with the highest numbered hole and working from left to right until all the fields in the section have been needled.
- d) Take additional stacks, needling each as above and putting the cards that fall on the appropriate piles.
- e) When all the cards have been handled as above, the first pile should contain those cards punched for the highest numbers, and those following should contain successively lower numbers.
- f) Any pile that is too large to put on the needle must be broken down further. To do this, follow the procedure as given in step "a" above, noting that the "highest numbered hole" is now the next below that which originally separated the pile. Be careful to keep the stacks resulting from this second needling in numerical order.
- g) Continue this procedure until all piles are less than 3 inches thick

Fine-sorting phase. The objective of this sorting is to arrange the cards in each stack so that the code numbers are in numerical order in the section with which one is working. If the numbers have been assigned to index categories in alphabetical order (as in the "Author," "Genus" and "Species" Sections, for example), then this procedure will arrange the cards in alphabetical order by index categories. Manual sorting may be used to arrange the cards in alphabetical order within the index categories. The needling procedure for this type of sorting is as follows:

Steps in fine-sorting phase (sequence)

- a) Start with the pile containing the lowest numbers derived from the breakdown sorting. Needle hole 1 in the units field. Be sure all cards punched for hole 1 fall off the needle.

- b) Place the cards that fall at the back of the stack and needle successively holes numbered 2, 4, and 7 in the units field, then hole 1 in the tens field, etc. Continue working from right to left and each time place the cards which fall at the back of the stack until all the holes have been needled. Be careful to keep the cards in order and to see that all the cards fall that should fall at each needling. The stack is now arranged so that the code numbers are in numerical order from front to rear.
- c) Take the pile with the next higher group of numbers derived from breakdown sorting and treat it in the same fashion. When you have it in order, place it behind the first stack, and all the numbers will be in sequence.
- d) Continue in numerical sequence to the highest-numbered stack provided by breakdown sorting and the entire file will be arranged in numerical order.

3) Locating references by subject matter coded in Sections "J", "K", and "L".

In searching for references by subject matter coded in these three Sections, one should apply the following techniques.

To obtain all the references dealing with some particular subject: (1) first needle the entire card file for the number of the most general heading in Section "K" which includes the subject; (2) since many references contain information about some more particular aspect of the subject, and do not fall out in this first needling, one should needle the cards again for each of the more specific headings in Section "K"; and (3) finally, if the subject is so specific that it might be mentioned in passing in a paper on a quite different subject, then, in the cards which have not fallen out, one should needle the headings in Sections "J" and "L" which include the subject.

All the cards separated by any of the above steps might have information on the subject and should be subdivided by needling in Section "J" and "L" the numbers of the headings applying specifically to the desired subject. For completeness, each reference should then be scanned individually.

To obtain a particular reference when only its subject matter is known, one should begin needling the number in Sections "J" and "L" which corresponds to the index category referring most specifically to the desired subject. Thus, one can usually obtain a particular reference rather quickly.

It is important to needle in both Sections "J" and "L" for all numbers from 50 to 99, since such numbers may be entered in either Section.

4) Suggestions for needling

The technique for needling is best learned by use, but a few general suggestions may be helpful for the beginner.

Suggestions for needling

- a) Before needling a stack of cards, be sure that their diagonal corners are aligned.
- b) Insert the needle in the desired digit hole until the handle of the needle is about 1 inch from the face of the stack.
- c) Keep the needle parallel to the table.
- d) Hold the cards loosely at one end and move the handle of the needle to the right or left. This will allow the cards to slip on each other.
- e) Bring the needle back to the starting position while holding the end of the stack tightly. By these procedures the cards will separate slightly on the needle.
- f) Lift the stack of cards a few inches from the table, then tap them sharply on the table top and at the same time lift the needle upward and release the cards. By this procedure the slotted cards will fall from the needle.
- g) It may be necessary to tap the stack several times on the table top to shake loose all the punched cards.
- h) Do not try to handle too many cards at one time. This is especially important in fine-sequence sorting.
- i) Sometimes a slotted card will not fall when a stack is being needled. Such a card can be detected by squeezing together the cards remaining on the needle, and inspecting the edge of the compressed stack. The needle will show in the slot of the card that should have fallen.
- j) Do not try to sort two sections into sequence simultaneously. Work with one section at a time.

b. Preparing a tabular summary for a country report

Figure 2, a sample page from the section on mosquitoes in the summary report for the United States, illustrates the type of information recorded in the country reports. These reports are composed of tables arranged by groups of arthropods in the order listed in paragraph 1b of this Introduction. Species in the various arthropod groups are arranged alphabetically.

Data for the country reports, in most cases, are obtained directly from the reference in the literature. The card file is used for locating these references.

An arthropod species is not listed in the "Species" column of the tables in the summary reports unless statements in the literature reference indicate explicitly that the species is present in the particular country or geographical area. In many cases, the species cannot be recorded for a given location because the statements are not definite.

Data on seasonal activity for the adult arthropod are seldom given in sufficient detail in the literature for use in the "Active period" column. Often the statements cannot be interpreted, and in most cases no entry is listed in the column. Where recorded in these columns, the "active period" is indicated by a solid line extending through the months active. A double line indicates the peaks of activity. A dotted line indicates that the species is believed to be present, but it is only rarely found during the months indicated. Where only isolated collection dates are available, a solid line through the months involved is followed by a question mark(?) to show that the species may also be found at other times of the year, but that no records of such are available.

Usable references to abundance or population are so scarce in the literature that no effort has been made to use them in the tables. It should be emphasized that the peaks of activity referred to above are comparable only to the situations at other seasons of the year for the same species, and only in the geographical area under consideration. No inferences about absolute or comparative abundance are justified. Occasionally an author's comments on rarity or unusual abundance are entered in the column for "Adult activity."

A brief statement is made on the "specific habitats of the larval stages" in the "Breeding habitats" column when such information is given in the literature. Hosts other than man, for the parasitic forms (such as ticks, mites, and fleas) are not given. If rather specific information is given on the habits of the adults, this is entered after the larval "Breeding habitats" as "Adult activity", separated by a slash ("/"). (For example; see Figure 2, second entry: Temporary pools / attacks during day in or near woods, at night in dwellings.) Special note is made for those species cited as biting man.

A SUMMARY OF THE ARTHROPODS OF MEDICAL IMPORTANCE IN THE UNITED STATES, 323

Species	Active Period			Breeding habitats / Adult activity (Numbers are geographic code for states from which species was reported)	Disease transmitter	Pest status	Reference	
	JPM	AMJ	JAS	OND			Author	Date
<u>AEDES</u> inorepitus Dyar						X	Matheson Mail Dyar Stage Freetorn	1944 1934 1922 1952 1951
infirmatus Dyar & Knab						X	Matheson	1944
							Wirth Carpenter	1947 1946
intruderus Dyar						X	Matheson	1944
							Barnes Frost Dyar Stage Mail Rees	1950 1950 1924 1952 1934 1943
							Dyar Fellton Owen Irwin Dickinson	1923 1950 1937 1941 1944

Figure 2. Page 12 (slightly modified) from summary report for the United States, Section on Mosquitoes.

Beneath the "Breeding habitats / Adult activity" entries is a list of numerals which represent the subdivisions of the study country in which the species has been recorded. These numbers are assigned in the "Geographic Code," Part II of this report; they are also identified in the front of each country summary report.

In tabulating data, preference is given to authorities citing specific locality records, even though other references imply wider distribution for the species than can be documented. Entries with no subdivision numerals listed indicate that no specific locality records can be found in the literature. In many cases, the statements are too indefinite to use. For instance, a species said to occur "from Maine to Florida" may actually be recorded only in Maine and in Florida, and not in the intervening states. On the other hand, if the literature states "in all the New England states," then the species is recorded as present in each of these states.

It is often difficult to interpret statements about "Disease Transmission" and "Pest Status" in the literature. Consequently, entries in the country Summary concerning the relations of the species to disease are made as follows:

Entries on relation of species to disease

- a) Entered as "x" in the "Disease" column only if: (1) the author definitely states that species is a vector, unless the disease involved has never occurred in the area; (2) information proving disease transmission is given.
- b) Entered as "?" in the "Disease" column if: arthropod present, disease present, and arthropod a proven vector in other areas, though no proof is given for the particular locality.
- c) Entered under "Adult activity" if not stated to be a vector, even though: (1) found infected in nature; (2) found capable of being experimentally infected; (3) found capable of experimentally transmitting the disease.
- d) No entry on "disease" is made on the basis of statements containing words like "doubtful" "suspected," or "possible" vector, when no evidence is given to support or qualify the statement.

If an "x" is entered in the "Disease" column, the information on the disease is presented in more detail on a summary sheet for each insect group and is placed at the end of the list in the country report.

In many cases, the statements concerning the pestiferous nature of the species are only "bites man" or words equally indefinite. If the species is said to bite man more or less regularly, an "x" is usually placed in the "Pest" column for the species.

In the "Reference" or last two columns of the table, the name of the "Author" or senior author and the "Date" of publication which document each fact are recorded. The complete citations for these authors are given at the end of the tabulations for each insect group. Efforts are made to use as few citations as possible. For this reason, the references are more likely to be to monographic works and review papers, rather than references to original authority. The burden of accuracy is therefore on the author of the monograph.

The failure of authors to make definite statements has, unfortunately, made it necessary for the entomologists preparing the tabulations for these tables to do a certain amount of interpreting. Although an effort has been made to keep such interpretations to a minimum, errors are doubtless present, since it is impossible for even one person to maintain at all times the same point of view on the interpretation in a work of compilation. Errors are especially likely when such work extends, as this has, over a period of several years and involves many thousands of papers. It is hoped that the discrepancies are within the realm of human error, and that, as the lists are used and modified to keep them up-to-date, these can be found and corrected.

THE CODE

The following pages contain the code used for indexing information from the literature on arthropods. This code is composed of three parts: Part I, Publication and Author Index; Part II, The Geographic Index; and Part III, Subject Matter Index. Each of these Indexes is divided into Sections, which are designated or lettered according to the section on the punch cards with which they correspond. The first page of each code immediately preceding the code itself contains explanatory remarks and instructions.

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PART I

"PUBLICATION" AND "AUTHOR" INDEX

(See Figure 1a)

This part of the report is the index to the code numbers used for recording information on publication title, date of publication, and the name of the author on the punch card.

It also lists the Section of the card ("CC") that is punched when data from a particular reference have been included in the summary report.

"Publication" Section

"Publication" Section of the card (Alphabetical list of publications)

The names of serials and other publications most useful to research workers who publish papers concerning arthropods of medical importance are listed with their assigned code numbers on the following pages.

There are two parts to the publication list, as follows:

- a. Most-frequently-cited publications. These are listed alphabetically by abbreviations with individual code numbers (1-399).
- b. Less-frequently-cited publications. These are also listed alphabetically by abbreviations, but they are given code numbers according to geographical area of publication (400-500).

* * * * *

Special notes on the "b" list

On the 2 pages immediately preceding the "b" list there is an alphabetical list of geographical publication areas, for use with the publication list. (This is necessary since the geographical area of publication is not always indicated in the name of the publication.)

Books, symposia and theses are given special code numbers (492, 498, on the list of geographical areas preceding section "b"), regardless of where they were published.

* * * * *

Additions to the "Publication" sections

Publications not yet listed in this code and which contain many papers on arthropods of medical importance can be assigned to a vacant number in the "a" publication list. Less-important publications should be listed in the "b" publication list.

Authority for abbreviations and names of publications

The abbreviations and full names in the publication lists are, in most cases, those used in "A World List of Scientific Periodicals in the Years 1900-1950" and "Union List of Serials in Libraries of the United States and Canada, 1943; Supplement 1945."

MOST-FREQUENTLY-CITED PUBLICATIONS
(With assigned individual code numbers)

- 1 Acad. Med. B. Aires, Bol. Academia nacional de medicina de Buenos Aires, Boletin. Buenos Aires, 1931-.
- 2
- 3 Acta med. ital. Acta medica Italica di malattie infettive e parassitarie. Roma, 1946-.
- 4
- 5 Acta med. philipp. Acta medica philippina. Manila, 1939-.
- 6
- 7 Agric. Chemic. Agricultural Chemicals. Baltimore, 1946-.
- 8 Agric. Gaz. N.S.W. Agricultural Gazette of New South Wales. Sydney, 1890-. [This publication has also been indexed under 408 Australia. Use 8 in the future.]
- 9 Allat. Kozlem. or A. K. M. Allatani Kozlemenyek. Budapest, 1904-.
- 10
- 11 Amer. and Va. Mosq. Control Ass., Proc. American and Virginia mosquito control association, Proceedings and papers for 1950-.
- 12
- 13 Amer. Ass. Econ. Ent. American Association of Economic Entomologists, Proceedings. 1889-1906.
- 14
- 15 Amer. ent. Soc., Mem.; Proc.; Trans. American Entomological Society, Memoirs. Philadelphia, 1916-; Proceedings. Philadelphia, 1867-; Transactions. Philadelphia, 1867-. C.* from Entomological Society of Philadelphia, Proceedings.

* "C." throughout this list follows the use of this symbol as in "A World List of Scientific Periodicals in the Years 1900-50."

- 16
- 17 Amer. J. Hyg. American Journal of Hygiene. Baltimore, 1921-.
- 18
- 19 Amer. J. publ. Hlth. American Journal of Public Health, New York, 1912-.
- 20
- 21 Amer. J. trop. Med. American Journal of Tropical Medicine. Baltimore, Md., 1921-.
- 22
- 23 Amer. Midl. Nat. American Midland Naturalist. Notre Dame, Ind., 1909-.
- 24
- 25 Amer. Mus. J. American Museum Journal. American Museum of Natural History. New York, 1900-18. C. as Natural History.
- 26 Amer. Mus. Novit. American Museum Novitates. New York, 1921-.
- 27 Amer. Nat. American Naturalist. Lancaster, Pa., 1867-.
- 28 Amer. vet. med. Ass. J. American Veterinary Medical Association Journal. Ithaca, N.Y., 1915-. [This publication has also been indexed under 480 (U.S. non-regional). Use 28 in the future].
- 29 Ann. Fac. Odont. Univ. Minas Geraes. Annaes da Faculdade de odontologia e pharmacia da Universidade de Minas Geraes. 1936-.
- 30
- 31 Ann. Inst. Med. trop., Lisboa. Annaes do Instituto de medicina tropical. Lisboa, 1943-.
- 32 Ann. appl. Biol. Annals of Applied Biology. Cambridge, 1914-.
- 221 Ann. Hyg. Med. colon. Annales d'hygiene et de medecine coloniales. Paris, 1898-1914. C. as Annales de medecine et de pharmacie coloniales. [This publication has also been indexed under 428 (France). Use 221 in the future.] See Med. trop.
- 209 Ann. Mag. nat. Hist. Annales and Magazine of Natural History. London, 1838-.

- 221 Ann. Med. Pharm. colon. Annales de médecine et de pharmacie coloniales. Paris, 1920-39. C. from Annales d'hygiène et de médecine coloniales. C. as Médecine tropicale. [This publication has also been indexed under 428 (France). Use 221 in the future.]
See med trop; 221.
- 33 Ann. Parasit. hum. comp. Annales de parasitologie humaine et comparée. Paris, 1923-.
- 34 (Ann.) Rep. Gorgas Lab. Annual Report of the Gorgas Memorial Laboratory. Panama, 1930-.
- 35 Ann. trop. Med. Parasit. Annals of Tropical Medicine and Parasitology. Liverpool, 1907-.
- 36
- 37 Ann. paulist. Med. Cir. Annaes Paulistas de medicina e cirurgia. São Paulo, 1913-.
- 38
- 39 Antiseptic. Antiseptic. Edinburgh and Madras, 1904-.
- 40
- 41 Anz. Schadlingsk. Anzeiger für Schadlingskunde. Berlin, 1925-.
- 42
- 43 Arch. Protistenk. Archiv für Protistenkunde. Jena, 1902-.
- 44
- 95 Arch. Schiffs- u. Tropenhyg. Archiv für Schiffs-u. Tropenhygiene. Leipzig, 1897-1940. C. as Deutsche Tropenmedizinische Zeitschrift.
See 2. Tropenmed. u. Parasit., 375.
- 45 Arch. Ital. Sci. Med. Trop. e Parasit. Archivio Italiano di Scienze Mediche Tropicali e di Parassitologia. Roma.
- 46
- 47 Arch. Parasit., Paris. Archives de parasitologie. Paris, 1898-1919.
- 48
- 49 Arch. Hyg., S. Paulo. Archivos de hygiene e saude publica. Sao Paulo, 1936-.

50

- 51 Aust. J. exp. Biol. med. Sci. Australian Journal of Experimental
Biology and Medical Science. Adelaide, 1924-.

52

- 53 Aust. Mus., Mem.; Misc.; Rec.; Rep. Australian Museum, Memoirs.
Sydney, 1887-; Miscellaneous Series. 1884-16; Records. Sydney,
1890-; Report. Sydney, 1853-54.

54

- 55 Avenir méd., Paris. Avenir médical. Paris, 1904-.

56

- 89 Berl. ent. Z. Berliner entomologische Zeitschrift. Berlin, 1857-
1913. C. in Deutsche entomologische Zeitschrift.

- 175 Brit. J. exp. Biol. British Journal of Experimental Biology.
Edinburgh, 1923-29. C. as Journal of Experimental Biology.

- 57 Brit. J. Pharmacol. British Journal of Pharmacology and Chemotherapy.
London, 1946-.

58

- 59 Brit. med. J. British Medical Journal. London, 1857-.

60

- 61 Brit. Mus. (nat. Hist.), Econ. Leaflet; Econ. Ser. British Museum
(Natural History), Economic Leaflets. London, 1925-; Economic
Series. London, 1913-.

62

- 63 Brooklyn ent. Soc., Bull. Brooklyn Entomological Society, Bulletin.
Lancaster, Pa., 1878-85; 1912-.

64

- 65 Bull. biol. Bulletin biologique de la France et de la Belgique.
Paris, 1917-.

66

- 67 Bull. ent. Res. Bulletin of Entomological Research. London, 1910-

68

- 69 Bull. Inst. mar. trop. Med. Gdansk. Bulletin of the Institute of Marine and Tropical Medicine, Medical Academy, Gdansk, 1948-.
- 70
- 71 Bull. Méd. A.O.F. Bulletin médicale de l'Afrique Ouest Française, Dakar, 1946-.
- 72
- 73 Canad. Ent. Canadian Entomologist. Guelph, Ont., 1869-.
- 74
- 75 Canad. J. Res. Canadian Journal of Research. Ottawa, 1929-.
- 76
- 77 Caribbean med. J. Caribbean Medical Journal. Port-of-Spain, 1938-.
- 78
- 79 Čas. Lek. ces. Časopis Lékařů Českých. v Praze. Praze, 1862-.
- 80
- 81 Ceylon J. Sci., Sect. B., Zool. & Geol.; Sect. D., Med. Sci. Ceylon Journal of Science, Section B., Zoology and Geology; Section D., Medical Science. Colombo, 1924-.
- 82
- 83 Chacra. Chacra. Revista mensual de agricultura, granaderia e industria. Buenos Aires, 1931-.
- 84
- 85 Chem. Soc., J. Chemical Society, Journal. London, 1849-.
- 86 Chin. med. J. Chinese Medical Journal. Shanghai, 1932-, Chengtu, 1942-. [This publication has also been indexed as 424 (China). Use 86 in future.]
- 87 Dtsch. ent. Ges., Arb.; Mitt. Deutsche Entomologischen Gesellschaft, Arbeiten. Berlin, 1935-; Mitteilungen. Berlin, 1930-.
- 88
- 113 Dtsch. ent. NatBibl. Deutsche entomologische National-Bibliothek. Berlin, 1910-11. C. as Entomologische Mitteilungen.

- 89 Dtsch. ent. Z. Deutsche entomologische Zeitschrift. Berlin, 1875-.
Incorporated Berliner entomologische Zeitschrift, and Zeitschrift
 fur systematische Hymenopterologie und Dipterologie. [Supplement
 is repertorium - entomologicum.]
- 90
- 91 Dtsch. Ges. angew. Ent., Flugschr.; Verh. Deutsche gesellschaft fur
 angewandte entomologie, Flugschriften. Berlin, 1915-33; Verhand-
 lungen. Berlin, 1913-36.
- 92
- 93 Dtsch. Gesundheitswes. Deutsche Gesundheitswesen. Berlin, 1946-.
- 94
- 95 Dtsch. tropenmed. Z. Deutsche Tropenmedizinische Zeitschrift. Leipzig,
 1941-44. Superceded Archiv fur Schiffs- u. Tropenhygiene. C. as
 Zeitschrift fur Tropenmedizin und Parasitologie.
- 96
- 97 Día méd. Día médico. Buenos Aires, 1928-.
- 98
- 99 Docum. nearl. indones. Morb. trop. Documenta Neerlandica et Indonesica
 de morbis tropicis. Amsterdam, 1949-.
- 100
- 101 E. Afr. med. J. East African Medical Journal. Nairobi, 1932-.
- 102
- 103 Ent. amer. Entomologica Americana. Lancaster, Pa., 1885-90:26-.
- 104
- 131 Ent. Anz. Entomologischer Anzeiger. Wien, 1921-36. C. in Entomolo-
 gische Rundschau.
- 105 Ent. Beih. Berl. -Dahlem. Entomologische Beihefte aus Berlin-Dahlem.
 Berlin, 1934-43.
- 106
- 107 Ent. Ber., Amst. Entomologische Berichten. Amsterdam, 1901-.

108

109 Ent. Jb. Entomologisches Jahrbuch. Frankfurt-am-M., 1893-1937.

110

89 Ent. LitBl. Entomologische Literaturblätter. Berlin, 1901-14. C. from Entomologische Nachrichten. C. as Repertorium entomologicum (supplement to Deutsche entomologische Zeitschrift.) See Dtsch. ent. Z., 89.

119 Ent. Mag. Entomological magazine. London, 1832-1838. C. as Entomologist.

111 Ent. Medd. Entomologiske Meddelelser, København, 1887-.

112

113 Ent. Mitt. Entomologische Mitteilungen. Berlin-Dahlem, 1912-28. C. from Deutsche entomologische National-Bibliothek.

114

115 Ent. mon. Mag. Entomologist's Monthly Magazine. London, 1864-.

116

117 Ent. News. Entomological News. Philadelphia, 1890-.

118

119 Entomologist. Entomologist. London, 1840-. Superceded Entomological magazine.

120

121 Ent. Rec. Entomologist's Record and Journal of Variations. London, 1890-.

131 Ent. Rdsch. Entomologische Rundschau. Stuttgart, 1909-39. C. from Entomologisches Wochenblatt (1907-08) which superceded Insektenbörse. Incorporated Societas Entomologica, 1930. C. in Entomologische Zeitschrift.

122

123 Ent. Soc. Amer., Ann. Entomological Society of America, Annals. Columbus, Ohio. 1908-.

124

- 125 Ent. Soc. B.C., Bull.; Proc. Entomological Society of British Columbia, Bulletin, Vancouver, 1906-08; Proceedings, Victoria, 1911-.

- 143 Ent. Soc. India, Mem. Entomological Society of India, Memoirs. New Delhi, 1945-.

- 305 Ent. Soc. Lond., Proc.; Trans. Entomological Society of London, Proceedings. London, 1926-; Transactions. London, 1834-.

- 15 Ent. Soc. Phil., Proc. Entomological Society of Philadelphia, Proceedings. Philadelphia, 1861-67. C. as American Entomological Society, Proceedings.

126

- 127 Ent. Soc. S. Afr., J. Entomological Society of Southern Africa, Journal. Pretoria, 1939-.

- 336 Ent. Soc. S. Engl., J. Entomological Society of the South of England, Journal. Southampton, 1932-33. C. as Society for British Entomology, Journal.

128

- 129 Ent. Soc. Wash., Mem.; Proc. Entomological Society of Washington, Memoirs. Washington, 1939-; Proceedings. Washington, 1884-.

130

- 131 Ent. Z. Entomologische Zeitschrift. Frankfurt-am-M., 1887-.
Amalgamations: Entomologische Rundschau, Insektenbörse, Entomologischer Anzeiger, Entomologisches Wochenblatt, Societas entomologica, Internationale entomologische Zeitschrift.

132

- 133 Exp. Parasit. Experimental Parasitology. New York, 1951-.

134

- 135 Exp. Sta. Rec. Experiment Station Record. Washington, 1889-1946.

- 136 F.M.S., Rep. Malar. adv. Bd. Federated Malay States, Report of the Malaria Advisory Board. Kuala Lumpur, 1925-.. C. from Report of the Malaria Bureau, F.M.S. (1919-25-.) /These publications have been indexed under 472 (Southeast Asia). Use 136 in future for both/

- 137 Gac. med. Mex. Gaceta médica de Mexico. Mexico, 1864-.
- 138 Geneesk. Tijdschr. Ned. Ind. Geneeskundig tijdschrift voor Nederlandsch-Indië. Batavia, 1852-42. [This publication has also been indexed as 442 (Indonesia). Use 138 in future.]
- 139 Hawaii ent. Soc., Proc. Hawaiian Entomological Society, Proceedings. Honolulu, 1905-.
- 140
- 141 Higijena. Higijena. Yugoslavia.
- 142
- 143 Indian J. Ent. Indian Journal of Entomology. [Entomological Society of India.] New Delhi, 1939-.
- 144
- 145 Indian J. Malar. Indian Journal of Malariology. Calcutta, 1947-. Superseded Malaria Institute of India, Journal.
- 146 Indian J. med. Res. Indian Journal of Medical Research, Calcutta, 1913-. C. from Paludism.
- 147 Indian Med. Ass., J. Indian Medical Association, Journal. Calcutta, 1931-.
- 148
- 149 Indian med. Gaz. Indian Medical Gazette. Calcutta, 1866-.
- 131 Insektenborse. Insektenborse. Leipzig, 1884-1906. C. in entomologische Rundschau. See Ent. Z. above.
- 150 Insec. Inscit. menst. Insecutor inscitiae menstruus. Washington, 1913-26. [This publication has also been indexed under 480 (U.S. non-regional). Use 150 in the future.]
- 151 Inst. med. Res., F.M.S., Bull.; Rep.; Stud. Institute for Medical Research, Federated Malay States, Bulletin. Kuala Lumpur, 1924-; Report. Kuala Lumpur, 1901-; Studies. Singapore, 1901-.
- 291 Inst. Osw. Cruz. Mem.; Monogr. Instituto Oswaldo Cruz, Memorias. Rio de Janeiro, 1909-; Monographias. Rio de Janeiro, 1937-.
- 152
- 153 Inst. Pasteur Algér, Arch. Institut Pasteur d'Algérie, Archives. Alger, 1923-.

- 154
- 155 Inst. Pasteur Maroc, Arch. Institut Pasteur du Maroc, Archives.
Casablanca, 1932-.
- 156
- 157 Inst. Pasteur, Ann. Bull. Institut Pasteur, Annales. Paris, 1887-;
Bulletin. Paris, 1903-.
- 158
- 159 Inst. Pasteur Tunis, Arch. Institut Pasteur de Tunis, Archives.
Tunis, 1906-.
- 160
- 161 Inst. sci. Madagascar, Mém. Institut scientifique de Madagascar,
Mémoires. Tananarive, 1948-.
- 162
- 131 Int. ent. Z. Internationale entomologische Zeitschrift. Guben,
Germany, 1907-35. C. in Entomologische Zeitschrift.
- 163 International Congresses
- Int. Congr. Ent. International Congress on Entomology. 1910-.
- Int. Congr. Zool. International Congress of Zoologie. 1889-.
- [This publication has also been indexed under 500 (country of
origin not determined), and 474 (Switzerland). Use 163 in
future]
- 164
- 165 Jap. J. exp. Med. Japanese Journal of Experimental Medicine.
Tokyo, 1928-.
- 166
- 167 Jap. med. J. Japanese Medical Journal. Tokyo, 1948-.
- 168
- 169 J. anim. Ecol. Journal of Animal Ecology. Cambridge, 1932-.
- 170
- 171 J. econ. Ent. Journal of Economic Entomology. Geneva, N.Y., 1908-.

- 172
- 173 J. Elisha Mitchell sci. Soc. Journal of the Elisha Mitchell Scientific Society. Chapel Hill, N.C., 1883-.
- 174
- 175 J. exp. Biol. Journal of Experimental Biology. Cambridge, 1930-.
C. from British Journal of Experimental Biology.
- 176
- 177 J. exp. Med. Journal of Experimental Medicine. New York, 1896-.
- 178
- 179 J. Hyg., Camb. Journal of Hygiene. Cambridge, England, 1901-.
- 180
- 181 J. infect. Dis. Journal of Infectious Diseases. Chicago, 1904-.
- 182
- 183 J. Méd. Bordeaux. Journal de médecine de Bordeaux. Bordeaux, 1872-.
- 184
- 185 J. med. Res. Journal of Medical Research. Boston, 1901-24.
- 186
- 187 J. Parasit. Journal of Parasitology. Lancaster, Pa., 1914-.
- 188
- 189 J. trop. Med. (Hyg.) Journal of Tropical Medicine (and Hygiene.)
London, 1898-.
- 190
- 191 Kitasato Arch. Kitasato Archives of Experimental Medicine. Tokyo,
1917-.
- 192
- 193 Klin. Med. Klinicheskaya Meditsina. Moscow, 1923-.
- 194

- 195 K. svenska VetenskAkad. Konliga Svenska Vetenskapsakademiens.
Stockholm, 1756-.
- 196
- 197 Konowia. Konowia. Wien, 1924-38.
- 198
- 199 Lancet. Lancet. London, 1823-.
- 200
- 201 Linn. Soc. (Zool.), J.; Trans. Linnean Society. (Zoology.),
Journal. London, 1855-; Transactions. London, 1875-.
- 202
- 203 Linn. Soc. N.S.W., Proc. Linnean Society of New South Wales,
Proceedings. Sydney, 1876-.
- 204
- 205 Lpool Sch. trop. Med., Mem. Liverpool School of Tropical Medicine,
Memoirs. Liverpool, 1899- 1906: 24-.
- 206
- 207 Lond. Sch. Hyg. London School of Hygiene and Tropical Medicine,
[Various publications, including Ross Institute of Tropical
Hygiene, Reports.]
- 208
- 209 Mag. nat. Hist., Ann. Magazine of Natural History, Annals and,
London, 1838-.
- 210
- 211 Malar. Inst. India, J. Malaria Institute of India, Journal.
Calcutta, 1938-46. C. as Indian Journal of Malariology.
- 212
- 213 Malarilogia. Malarilogia. Naples, 1915-.
- 214

- 215
- 216
- 217 Medicina, Madr. Medicina. Madrid, 1930-.
- 218
- 219 Med. colon. Medicina colonial. Madrid, 1943-.
- 220 Med. Parasit., Moscow. Medical Parasitology and Parasitic Diseases. Moscow, 1932-. C. from Tropical Medicine and Veterinary Science; Preceded by Russ. J. trop. Med. See Trop. Medits. Vet, 348.
- 221 Méd. trop. Médecine tropicale. Marseilles, 1941-. C. from Annales de médecine et pharmacie coloniales; preceded by annales d'hygiène et de médecine coloniales.
- 222
- 223 Med. Maandblad. Medisch Maandblad. Batavia, 1947
- 224
- 225 Monogr. angew. Ent. Monographien zur angewandten Entomologie. Berlin, 1917-.
- 226
- 227 Mosquito News. Mosquito News. New Brunswick, N.J., 1941-.
- 228
- 229 Munch. ~~Woch.~~ Woch. Munchener medizinische Wochenschrift. München, 1886-.
- 230
- 231 Nat. Hist., N.Y. Natural History. Amer. Museum of Nat. History. New York, 1919-. C. from American Museum Journal.
- 355 Nat. Inst. Hlth. Bull. National Institute of Health Bulletin. United States Public Health Services. Washington, 1930-. C. from U.S. Hygienic Laboratory, Bulletin.
- 231 Nat. Malar. Soc., J. National Malaria Society, Journal. Tallahassee, Fla. and Columbia, S.C., 1942-.
- 232

- 233 Nat. Res. Coun. National Research Council - Insect control commission. [Various publications.]
- 234
- 235 Nature, Lond. Nature. London, 1869-.
- 249 Nav. med. Bull., Wash. Naval Medical Bulletin. Washington, 1907-49.
Superceded by U.S. Armed Forces Medical Journal.
- 345 Ned. Ent. Ver., Hand. Nederlandsche entomologische vereeniging, Handelingen. 's Gravenhage, 1854-56. C. es Tijdschrift voor entomologie.
- 236
- 237 Ned. tijdschr. Geneesk. Nederlandsch tijdschrift voor geneeskunde. Amsterdam, 1857-.
- 238
- 239 N.J. Mosq. Ext. Ass., Proc. New Jersey Mosquito Extermination Association, Proceedings. New Brunswick, New Jersey, 1914-.
- 240
- 241 Novit. zool. Novitates zoologicae. London, 1894-1948.
- 242
- 243 N.Y. ent. Soc., J. New York Entomological Society, Journal. New York, 1893-.
- 244
- 245 Ofic. sanit. pan-amer., Bol. Oficina sanitaria pan-americana, Boletín. Washington, 1923-.
- 246
- 253 Pacif. Cst. ent. Soc., Proc. Pacific Coast Entomological Society, Proceedings. San Francisco, 1901-30. C. in Pan-Pacific Entomologist.
- 247 Pac. Ent. Surv., Publ. Pacific Entomological Survey, Publications. Honolulu, 1932-.. C. in Bulletin, Bernice Pauahi Bishop Museum.
- 248
- 249 Pacif. Sci. Pacific Science. Honolulu, 1947-.

- 250
- 251 Pacif. Sci. Congr., Proc. Pacific Science Congress, Proceedings
Java, [etc.], 1929-. C. from Proceedings of the Pan-Pacific
Science Congress.
- 146 Paludism. Paludism. Committee for the Study of Malaria in India.
Simla, 1910-12. Superceded by Indian Journal of Medical Research.
- 252
- 253 Pan-Pacif. Ent. Pan-Pacific Entomologist. San Francisco, 1924-.
C. from Pacific Coast Entomological Society, Proceedings.
- 254 Parasitology. Parasitology. Cambridge, England, 1908-.
- 255
- 256
- 257 Philipp. J. Sci. Philippine Journal of Science. Manila, 1906-.
- 258
- 259 Pr. méd. Presse médicale. Paris, 1893-.
- 260
- 261 Psyche, Camb., Mass. Psyche, a journal of Entomology. Cambridge,
Mass., 1874-.
- 262
- 263 Quart. J. micr. Sci. Quarterly Journal of Microscopical Science.
London, 1853-.
- 264
- 265 Raffles Mus., Bull. Raffles Museum, Bulletin. Singapore, 1928-.
- 266
- 267 Redia. Redia. Firenze, 1903-.
- 89 Repert. ent. Repertorium entomologicum. Berlin, 1924-33. C. from
Entomologische Literaturblätter. Supplement to Deutsche entomolo-
gische Zeitschrift.
- 268

- 269 Rev. appl. Ent. Review of Applied Entomology - Series B. Medical & Veterinary. London, 1913-.
- 270
- 271 Rev. bras. Biol. Revista brasileira de biologia. Rio de Janeiro, 1941-.
- 272
- 273 Rev. bras. Malariol. Revista brasileira de malarilogia. Rio de Janeiro, 1949-.
- 274
- 275 Rev. bras. Med. Pharm. Revista brasileira de medicina (e pharmacia). Rio de Janeiro, 1925-.
- 276
- 277 Rev. clín. esp. Revista clinica espanola. Madrid, 1940-.
- 278
- 279 Rev. Sanid. Hig. publ., Madr. Revista de sanidad e higiene publica. Madrid, 1932.
- 280 Rev. zool. afr. Revue zoologique africaine. Bruxelles & Paris, 1911-27. C. as revue de zoologie et de botanique africaines. [This publication has also been indexed as 434 (Holland, Belgium, and Luxembourg). Use 280 in the future.]
- 281 Rev. Zool. Bot. afr. Revue de zoologie et de botanique africaines. Bruxelles, 1928-. C. from Revue zoologique africaine.
- 282
- 283 Rev. gen. Med. Afr. N. Revue generale de medecine et de chirurgie de l'Afrique du Nord et des colonies francaises. Alger, 1920-.
- 284
- 285 Rev. Kuba Med. trop. Revista Kuba de medicina tropical y parasitologia. Habana, 1947-.
- 286 Rev. Med. Hyg. trop. Revue de medecine et d'hygiene tropicales. Paris, 1904-14: 20-. [This publication has also been indexed under 428 (France). Use 286 in future.]

- 296 Rev. Microbiol., Saratov. Revue de microbiologie (et) d'epidemiologie, (et de parasitologie). Saratov, 1922-. [This publication may have been indexed under 365. Use 296 in future.]
- 287 Rev. Palud. Méd. trop. Revue du paludisme et de médecine tropicale. Paris, 1939-.
- 288
- 289 Rif. med. Riforma medica. Napoli, 1885-.
- 290
- 291 Rio de Janeiro, Inst. Osw. Cruz, Mem.; Monogr. Instituto Oswaldo Cruz, Memorias. Rio de Janeiro, 1909-; Monographias. Rio de Janeiro, 1937-.
- 292
- 293 Riv. Malarial. Rivista de malarologia. Roma, 1926.
- 294
- 295 Riv. Parassit. Rivista di parassitologia. Roma, 1937-.
- 296 Rev. Microbiol., Saratov. Revue de microbiologie (et) d'epidemiologie, (et de parasitologie). Saratov, 1922-. [This publication may have been indexed under 365. Use 296 in future.]
- 297 Rockefeller Fdn., int. Hlth. Bd. (Comm.), Rep. Rockefeller Foundation, International Health Division (Commission - Board), Report. New York, 1913-25: 34-.
- 298
- 299 Rockefeller Inst. med. Res., Hist.; Monogr.; Stud. Rockefeller Institute for Medical Research, History. New York, 1911-; Monographs. New York, 1910-; Studies. New York, 1904-.
- 207 Ross Inst. trop. Hyg., Rep. Ross Institute of Tropical Hygiene, Report. London, 1935.
- 300
- 301 R. Army med. Cps., J. Royal Army Medical Corps, Journal. London, 1903-.
- 302

- 303 (R.) Egypt. med. Ass., J. (Royal) Egyptian Medical Association, Journal. Cairo, 1928-.
- 304
- 305 R. ent. Soc. Lond., Proc.; Ser. A,B, and C; Trans. Royal Entomological Society of London, Proceedings. London, 1926-; Series A, B, and C. London, 1936-; Transaction, London, 1834-. [Series E C. from Stylops.]
- 306
- 307 R. Inst. publ. Hlth., J. Royal Institute of Public Health and Hygiene, Journal. London, 1937-.
- 308
- 309 R. micr. Soc., J. Royal Microscopical Society, Journal. London, 1878-.
- 310
- 311 R. Soc., Proc. Royal Society, Proceedings. London, 1854-1905: Ser. A. 1905-; Ser. B. 1905-.
- 312
- 313 R. Soc. trop. Med. Hyg., Trans. Royal Society of Tropical Medicine and Hygiene, Transactions. London, 1907-.
- 314 Russ. J. trop. Med. Russian Journal of Tropical Medicine. Moskva, 1923-29. C. as Tropical Medicine and Veterinary Science. See Med. Parasit 220.
- 315 Science. Science. New York, 1883-.
- 316
- 317 Sem. Hôp. Paris. Semaine des hôpitaux de Paris. Paris, 1925-?
- 318
- 319 S. B. Ges. naturf. Fr. Berl. Sitzungsberichte der Gesellschaft Naturforschender Freunde zu Berlin. Berlin, 1860-?
- 320
- 347 Sleep. Sickn. Bur., Bull. Sleeping Sickness Bureau, Bulletin. Royal Society. London, 1908-12. C. in Tropical Diseases Bulletin.

- 321 Smithsonian. misc. Coll. Smithsonian Miscellaneous Collections.
Washington, 1862-.
- 322
- 323 Soap, N.Y. Soap (and Sanitary Chemicals, 1938). New York, 1925-.
[This publication has been indexed as 480 (U.S. non-regional).
Use 323 in future.]
- 324
- 325 Soc. belge Méd. trop., Ann. Société belge de médecine tropicale,
Annales. Bruxelles, 1920-.
- 326
- 327 Soc. Biol., C. R., Paris. Compte rendu hebdomadaire des séances et
mémoires de la Société de biologie. Paris, 1849-.
- 328
- 329 Soc. Pat. exot., Bull. Société de pathologie exotique, Bulletin.
Paris, 1908-.
- 131 Soc. ent. Societas entomologica. Stuttgart, 1886-1930. (Supplement
to Entomologische Rundschau; After 1930, C. in Entomologische
Rundschau.) See Ent. Z.
- 330
- 331 Soc. ent. Belge., Ann. Société entomologique de Belgique, Annales.
Bruxelles, 1857-1924. C. as Bulletin (et Annales) de la Société
entomologique de Belgique. [The latter publication also is
indexed as 331.]
- 332
- 333 Soc. ent. Fr., Ann. Société entomologique de France, Annales.
Paris, 1832-.
- 334
- 335 Soc. exp. Biol., N.Y., Proc. Society for Experimental Biology and
Medicine, Proceedings. New York, 1903-.
- 336 Soc. Brit. Ent., J. Society for British Entomology, Journal.
Southampton, 1934-. C. from Entomological Society of the South of
England, Journal.

- 337 Soc. ital. Med., Sez. Eritrea, Boll. Societa italiana di medicina e igiene tropicale, Bollettino. Sezione Eritrea, Asmara, 1942-.
- 338
- 339 Soc. mex. Hist. nat., Rev. Sociedad mexicana de historia natural, Revista. Mexico, 1939-.
- 340
- 341 Srpski Arkh. Tselok. Lek. Srpski arkhiv za tselokupno lekarstvo. Belgrade, 1895(?)-.
- 305 Stylops. Stylops. London, 1932-35. C. as Royal Entomological Society of London, Series B.
- 342
- 343 Terap. Arkh. Terapevticheskii arkhiv. Moskva, 1923-.
- 344
- 345 Tijdschr. Ent. Tijdschrift voor entomologie. 's Gravenhage Amsterdam, 1857-. C. from Nederlandsche entomologische vereeniging, Handelingen.
- 346
- 347 Trop. Dis. Bull. Tropical Diseases Bulletin. London, 1912-. C. from Royal Society Sleeping Sickness Bureau Bulletin.
- 348 Trop. Medits. Vet. Tropical Medicine and Veterinary Science. Moskva, 1930-31. Superceded Russian Journal of Tropical Medicine; C. as Medical Parasitology and Parasitic Diseases. See Med. Parasit., 220.
- 367 U.N.W.H.O. United Nations World Health Organization. Various publications.
- 349 U.S. Armed Forces med. J. United States Armed Forces Medical Journal. Washington, 1950-. Superceded Naval Medical Bulletin.
- 350 United Nations miscellaneous publications.
- 351 U.S. Bur. Ent. U.S. Bureau of Entomology (and Plant Quarantine). Various publications.
- 352

353. U.S. Dept. Agric. U.S. Department of Agriculture. Various Publications
- 354
- 355 U.S. hyg. Lab., Bull. U.S. Hygienic Laboratory, Bulletin. Washington, 1900-30. C. as National Institute of Health Bulletin.
- 356 U.S. nat. Inst. Hlth. Bull. United States National Institute of Health Bulletin. United States Public Health Services. Washington, 1930-.
- 357 U.S. nat. Mus., Bull.; Proc. United States National Museum, Bulletin. Washington, 1875-; Proceedings. Washington, 1878-.
- 321 U.S. nat. Mus., Rep. U.S. National Museum, Report. Washington, 1884-. [Published by Smithsonian Institution.]
- 358
- 349 U.S. Nav. med. Bull. Superceded by U.S. Armed Forces Medical Journal.
- 359 U.S. Public Health Service Publications.
- Publ. Hlth. Bull., Wash. Public Health Bulletin. Washington. Date ?
- Publ. Hlth. Rep., Wash. Public Health Reports. Washington, 1878-.
- Publ. Hlth. Serv., Bull. Public Health and Marine-Hospital Service, Bulletin. Washington. Date ?
- Publ. Hlth. Serv. Publ., Wash. Public Health Service Publications, Washington.
- 296 Vest. Mikrobiol. See Rev. Microbiol
- 360
- 361 Vida Agric. Vida agricola. (Sociedad nacional agraria.) Lima, 1924-.
- 362
- 363 Vie méd. Vie médicale. Paris, 1920-.
- 364
- 365

- 366
- 367 World Hith. Org., Bull.; Chron. Tech. Rep. World Health
Organization, Bulletin. Geneva, 1947-; Chronicle. Geneva, 1947-;
Technical Report Series. Geneva. 1950-.
- 368
- 369 Z. angew. Ent. Zeitschrift für angewandte Entomologie. Berlin,
1914-.
- 370
- 371 Z. Ent. Zeitschrift für Entomologie. Breslau, 1847-1908: 24-.
- 372
- 373 Z. Parasitenk. Zeitschrift für Parasitenkunde. Berlin, 1928-.
[Numbers 1-6 as Zeitschrift für wissenschaftliche Biologie.]
- 89 Z. syst. Hym. Dipt. Zeitschrift für systematische Hymenopterologie
und Dipterologie. Leipzig, 1901-08. C. in Deutsche entomolo-
gische Zeitschrift.
- 374
- 375 Z. Tropenmed. u. Parasit. Zeitschrift für Tropenmedizin und
Parasitologie. Stuttgart, 1948-. Superseded Deutsche Tropen-
medizinische Zeitschrift; preceded by Archiv für Schiffs- u.
Tropenhygiene.
- 376
- 377 Z. Vitam.-Horm.-u. Fermentforsch. Zeitschrift für Vitamin-,
Hormon und Fermentforschung. Wien 1947-.
- 378 Z. wiss. Biol. Zeitschrift für wissenschaftliche Biologie. Abteil
F. Berlin, 1928-?
- 379 Z. wiss. InsektBiol. Zeitschrift für wissenschaftliche Insekten-
biologie. Berlin, 1905-37.
- 380
- 381 Zool. Jb. Zoologische Jahrbücher. Jena, 1886-.
- 382
- 383 Zool. Anz. Zoologischer Anzeiger. Leipzig, 1878-.

384

385 Zoologist. Zoologist. London, 1843-1916

386

387 Zool. Soc. Lond., Proc.; Trans. Zoological Society of London,
Proceedings. London, 1830-; Transactions. London, 1833-.

388

389 Zool. Z. Zoologicheskii Zhurnal. Moskva, 1932-.

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"Publication" section of the card (continued)

b. Less-frequently-cited publications

Code numbers are assigned according to geographical area of publication's origin.

NOTE: See the page immediately preceding "Publication" Section, "a", code, for both general and specific comments which apply to this code.

GEOGRAPHICAL AREAS, LISTED ALPHABETICALLY, FOR USE WITH "b" LIST

(Code numbers (400 to 500) assigned for area* and for miscellaneous publications)

Publications from small dependent areas not included in geographic areas specifically listed below will be indexed under the major country with which they are politically affiliated.

400 Africa	418 California, State of
402 Antilles*	420 Canada
404 Argentina	422 Czechoslovakia
406 Asia Minor (Iran, Iraq, Israel, Jordan, Lebanon, Palestine, Syria, and Turkey)	424 China
	426 England (British Isles)
408 Australia	428 France
410 Austria	430 Germany
412 Balkans (Albania, Bulgaria, Cyprus, Greece, Rumania and Yugoslavia)	432 Hawaii
	434 Holland, Belgium, and Luxembourg
414 Baltic States (Estonia, Latvia, and Lithuania)	436 Iberia
416 Brazil	438 Illinois, State of

* Includes all areas listed in Geographic Index, Part II.

440	India and Ceylon	480	U.S. Non-Regional (general category for U.S. Serial publications except those included in categories 482, 484, and 486)
442	Indonesia*		
444	Iowa, State of		
446		482	U.S. Regional (includes only journals which specialize in material concerned with a particular region)
448	Japan		
450	Kansas, State of	484	U.S. State Publications (includes publications by all state agencies except those in states given separate code nos.)
452	Korea		
454	Melanesia*		
456	Mexico	486	U.S. University (includes publications from all colleges and universities except state colleges and universities in states given separate code nos.)
458	New Jersey, State of		
460	New Zealand	490	Miscellaneous publications from independent countries which cannot be included in the above categories)
462	Philippines		
464	Poland	492	Symposia, regardless of where published
466	Russia	498	Books and theses, regardless of where published
468	Scandinavia (Denmark, Finland, Iceland, Norway, and Sweden)	500	Country of origin not determinable
470	South and Central America and adjacent independent islands <u>[except Argentina and Brazil]</u>		
472	Southeast Asia		
474	Switzerland		
475	Taiwan (Formosa)		
476	U.S. Armed Forces		
478	U.S. Government (except for publications of agencies which have been assigned a code number in (a))		

* Includes all areas listed in Geographic Index, Part II.

LESS-FREQUENTLY CITED PUBLICATIONS
(With code numbers assigned according to
geographical* area of publication)

- 420 Acadia ent. Soc., Proc. Acadian Entomological Society, Proceedings.
Truro, 1921-24.
- 434 Acta Biotheor. Acta biotheoretica. Leiden, 1935-.
- 434 Acta Leidensia. Acta Leidensia edita cura et sumptibus Scholae
Medicinae tropicae. Lugduni Batavorum, 1926-.
- 468 Acta med. scand. Acta medica Scandinavica. Stockholm, 1919-.
- 406 Acta med. turc. Acta medica Turcica. Ankara. Date ?
- 468 Acta pharm. tox., Kbh. Acta pharmacologica et toxicologica.
København, 1945-.
- 468 Acta physiol. scand. Acta physiologica Scandinavica. Stockholm,
1940-.
- 422 Acta Soc. ent. Acta Societatis entomologicae Bohemiae (Čecho-
sloveniae), or Časopis České (Ceskoslovenské) společnosti
Entomologické. Praha, 1904-.
- 412 Acta Soc. ent. jugosl. Acta Societatis entomologicae Jugoslavensis.
Beograd, 1926-.
- 474 Acta trop., Basel Acta tropica. Basel, 1944-.
- 428 Afra. Afra. Cahiers d'entomologie. Paris, 1930-36.
- 482 Alaska Sci. Conf. Proc. Alaska Science Conference Proceedings.
- 426 Amat. Ent. Amateur Entomologist. London, 1939-.
- 480 Amer. chem. Soc., J. American Chemical Society, Journal. Easton,
Pa., 1879-.
- 480 Amer. Ent. American Entomologist. St. Louis; New York, 1868-80.

* For geographic area indicated by the code number, see the two
pages immediately preceding.

- 480 Amer. J. vet. Res. American Journal of Veterinary Research.
Chicago, 1940-.
- 480 Amer. med. Ass., J. American Medical Association, Journal. Chicago,
1883-.
- 480 Amer. micr. Soc., Trans. American Microscopical Society, Transactions.
Lancaster, Pa., 1880-.
- 480 Amer. Ornithol. Union, Bull. American Ornithologists' Union, Bulletin.
Lancaster, Pa., 1886.
- 480 Amer. phil. Soc., Proc. American Philosophical Society, Proceedings.
Philadelphia, 1838-.
- 480 Amer. Scient. American Scientist. New Haven, Conn., 1942-.
- 480 Amer. vet. Rev. American Veterinary Review. New York, 1904-15.
- 428 Ann. Biol. clin. Annales de biologie clinique. Paris, Date?
- 468 Ann. ent. fenn. Annales entomologici Fennici. Helsinki, 1935-.
- 480 Ann. intern. Med. Annals of Internal Medicine. Ann Arbor, 1927-.
- 446 Ann. Med. nav. colon. Annali di medicina navale (e coloniale). Roma,
1895-.
- 434 Ann. Méd. vét. Annales de médecine vétérinaire. Bruxelles, 1852-.
- 446 Ann. Sanità pubbl. Annali della sanità pubblica. Roma, 1948-.
- 428 Ann. Sci. nat. Annales des sciences naturelles. Paris, 1824-.
- 426 Ann. Scot. nat. Hist. Annals of Scottish Natural History. Edinburgh,
1892-1911.
- 466 Annu. Mus. zool. Acad. St. Petersb. Annales du Musée zoologique.
Acad. imp. des sciences. St. Petersburg [Later Leningrad] 1896-
1932.
- 430 Arb. morph. taxon. Ent. Berl. Arbeiten über morphologische und
taxonomische Entomologie aus Berlin-Dahlem. Berlin, 1934-.
- 430 Arb. physiol. angew. Ent. Berl. Arbeiten über physiologische und
angewandte Entomologie aus Berlin-Dahlem. Berlin, 1934-.
- 434 Arch. Chir. Neerl. Archivum chirurgicum Neerlandicum. Arnhem, 1949-.
- 480 Arch. Derm. Syph., N.Y. Archives of Dermatology and Syphilology.
New York, 1920-.

- 428 Arch. franc. Pediat. Archives francaises de pédiatrie. Paris, 1942-.
- 430 Arch. Hydrobiol. (Plankt.) Archiv für Hydrobiologie (u. Planktonkunde). Stuttgart, 1905-; Supplement, 1911-.
- 430 Arch. Hyg., Berl. Archiv für Hygiene (und Bakteriologie). Munchen u. Berlin, 1883-.
- 410 Arch. klass. phylog. Ent. Archiv für klassifikatorische und phylogenetische Entomologie. Wien, 1928-30.
- 428 Arch. Méd. Pharm. nav. Archives de médecine et de pharmacie navales. Paris, 1911-40.
- 430 Arch. Naturgesch. Archiv für Naturgeschichte. Berlin, 1835-.
- 470 Arch. Pediat. Urug. Archivos de pediatria del Uruguay. Montevideo, 1930-.
- 470 Arch. venez. Pat. trop. Archivos venezolanos de patologia tropical y parasitologia médica. Caracas, 1948-.
- 484 Ariz. agric. Exp. Sta., Bull. Arizona Agriculture Experiment Station, Bulletin. Tucson, Date ?
- 484 Ark. agric. Exp. Sta., Bull. Arkansas Agricultural Experiment Station, Bulletin. Fayetteville, 1888-?
- 468 Ark. Zool. Arkiv för zoologi. Uppsala, 1903-.
- 466 Arkh. path. Anat., Moscow. Arkhiv patologicheskai anatomii i patologicheskai fizidagii. Moskva, 1939-.
- 466 Arkh. vet Nauk. Arkhiv veterinarnykh nauk. St. Petersburg. 1876-1917.
- 416 Arq. Inst. biol. (Def. agric. anim.) Archivos do Instituto biologico (de defesa agricola e animal). São Paulo, 1928-.
- 426 Ass. econ. Biol., Lond., Proc. Association of Economic Biologists, Proceedings. London, 1905-08.
- 446 Ass. Naz. delle Bonifiche Irrig. e Miglioramenti Fondiari. Associazione nazionale delle bonifiche, irrigazioni e miglioramenti fondiari. Bollettine mensile. Roma. 1947.

- 408 Aust. Coun. sci. industr. Res., Bull.; J.; Rep. Australian Council for Scientific and Industrial Research. Commonwealth of Australia. Bulletin. Melbourne, 1927-48; Journal. Melbourne, 1927-48; Report. Melbourne, 1926-48.
- 408 Aust. J. agric. Res. Australian Journal of Agricultural Research. Melbourne, 1950-.
- 408 Aust. J. Sci. Australian Journal of Science. Sydney, 1938-.
- 408 Aust. J. sci. Res. Australian Journal of Scientific Research. Melbourne, 1948-.
- 408 Aust. vet. J. Australian Veterinary Journal. Sydney, 1927-.
- 480 Bact. Rev. Bacteriological Review. Baltimore, 1937-.
- 430 Bad. Bl. angew. Ent. Badische Blätter für angewandte Entomologie. Freiburg, 1926-29.
- 430 Bad. ent. Ver. Mitt. Badische Entomologischen Vereinigung, Mitteilungen. Freiburg in B., 1923-28.
- 400 Basutold Dep. Agric., Rep. Department of Agriculture, Basutoland. Bloemfontein. Date?
- 400 Basutold med. sanit. Dep., Rep. Basutoland Medical and Sanitary Department. Report. Bloemfontein. Date?
- 420 B.C. Mus. nat. Hist., Rep. British Columbia Provincial Museum of Natural History, Reports. Victoria, 1912-.
- 468 Beretn. Vet.-og Landbohøjsk., Kbh. Beretning fra den Kgl. Veterinær-og Landbohøjskole. København, Date ?
- 430 Biol. Abt. (Anst. - Reichsanst.), Berl., Arv. Biologischen Abteilung (Anstalt - Reichsanstalt) f. Land-u. Forstwirtschaft am Kais Gesundheitsamte, Arbeiten, Berlin. 1900.
- 480 Biol. Bull., Wood's Hole. Biological Bulletin of the Marine Biological Laboratory, Woods Hole, Mass. 1899-.
- 430 Biol. Reichsanst. Berl. Flugbl. Kais. biologische Anstalt (Biologische Reichsanstalt), f. Land-u. Forstwirtschaft. Berlin.
- 430 Biol. Zbl. Biologisches Zentralblatt. Leipzig, 1881-.
- 430 Biol. ZentAnst. Berl., Mitt. Biologische Zentralanstalt (Reichsanstalt) für Land-u. Forstwirtschaft, Mitteilungen. Berlin, 1906-.

- 470 Biologica, Santiago. Biologica. Trabajos del Instituto de biología de la Universidad de Chile. Santiago, 1944-.
- 480 Bird-Banding. Bird-Banding. Boston, 1930-.
- 430 Bl. Aquar.-u. Terrarienk. Blätter für Aquarien - und Terrarienfrende (-kunde). Stuttgart, 1890-1938.
- 436 Bol. Agric. téc. econ. Boletín de agricultura técnica y económica. Madrid, 1909.
- 470 Bol. Ent. venezol. Boletín de entomología venezolana. Caracas, 1941-.
- 446 Boll. Accad. gioenia. Bollettino delle sedute dell' Accademia Gioenia di scienze naturali in Catania. Catania, 1888-.
- 446 Boll. Ass. rom. Ent. Bollettino dell' Associazione romana di entomologia. Roma. 1946-.
- 446 Boll. Ist. Ent. Univ. Bologna. Bollettino dell' Istituto di entomologia della R. Università degli studi di Bologna. 1935-.
- 482 Boston med. surg. J. Boston Medical and Surgical Journal. Boston, 1828-1928.
- 482 Boston Soc. nat. Hist., Bull., Mem; Occas. Papers.; Proc. Boston Society of Natural History, Bulletin. Boston, 1915-36; Memoirs. Boston, 1866-; Occasional Papers. Boston, 1869-. Proceedings. Boston, 1841-.
- 482 Boyce Thompson Inst. Contr. Boyce Thompson Institute for Plant Research, Contributions. Menasha, 1925.
- 422 Bratislavské Lékárs. Listy. Bratislavské lékárské Listy. Praha, 1921-.
- 416 Brazil-med. Brazil-medico. Rio de Janeiro, 1887-.
- 426 Brit. med. J. British Medical Journal. London, 1857-.
- 412 Bulg. Ent. Druz., Izv. Bulgarsko Entomologichno Druzhestvo, Izvestiia. Sophia, 1924-.
- 428 Bull. Acad. Méd. Bulletin de l'Académie de médecine. Paris, 1838-1946.
- 472 Bull. écon. Indoch. Bulletin économique de l'Indochine. Hanoi-Haiphong, 1898-.

- 464 Bull. ent. Pologne. Bulletin entomologique de la Pologne. Lwów, 1922-, or Polskie Pismo entomologiczne.
- 428 Bull. Soc. philom. Paris. Bulletin de la Société philomathique de Paris. Paris, 1791-.
- 428 Bull. Soc. zool. Fr. Bulletin de la Société zoologique de France. Paris, 1876-.
- 480 C.D.C., Bull. C.D.C. Bulletin. (Communicable Disease Center.) Atlanta, 1946-.
- 418 Calif. Acad. Sci., Proc. California Academy of Sciences, Proceedings. San Francisco, 1854-.
- 418 Calif. Bd. Hlth., Mon. Bull. California Board of Health, Monthly Bulletin. Date ?
- 418 Calif. Dep. Agric., Bull. California Department of Agriculture, Bulletin. Sacramento, 1936-.
- 418 Calif. Dep. publ. Hlth., Bur. Vector Control. California Department of Public Health, Bureau of Vector Control. Date ?
- 418 Calif. Hlth. California's Health. State Department of Public Health. Sacramento, San Francisco, Los Angeles, 1936-.
- 418 Calif. Insect. Surv. Bull. California Insect Survey Bulletin. Date ?
- 418 Calif. Med. California Medicine. San Francisco. Date ?
- 418 Calif. Univ. Publ. Ent. California University Publications in Entomology. Berkeley, 1906-.
- 418 Calif. Univ. Publ. Zool. California University Publications in Zoology. Berkeley, 1902-.
- 420 Canad. med. Ass. J. Canadian Medical Association Journal. Toronto, 1911-.
- 420 Canad. publ. Hlth. J. Canadian Public Health Journal. Toronto, 1929-42.
- 482 Carneg. Inst., Publ. Carnegie Institution of Washington, Publications. Washington, 1902-.
- 422 Časopis Českoslov. společnosti Entomol. Časopis Československé společnosti Entomologické. Praha, 1904.

- 430 Centbl. Bakt. Centralblatt (Zentralblatt) für Bakteriologie,
Parasitenkunde u. Infektionskrankheiten. Jena. Abt. 1, 1887-;
Abt. 3, 1895-.
- 452 Chosen nat. Hist. Soc., J. Chosen Natural History Society, Journal.
Keijo, 1924-.
- 456 Ciencia, Méx. Ciencia. Revista hispano-americana de ciencias puras
y aplicadas. Mexico, 1940-.
- 426 Cistula Ent. Cistula Entomologica. London, 1869-85.
- 446 Clin. nuova. Clinica nuova. Roma, 1954-.
- 500
- 462 Clinical Excerpts. Clinical Excerpts. Manila. Date ?
- 484 Colo. Coll. Publ. Sci. Colorado College Publications. Science
Series. Colorado Springs, 1904-26.
- 484 Colo. Ent., Circ. Colorado State Entomologist's Circular. Fort
Collins, 1910-.
- 482 Conn. agric. Exp. Sta., Bull.; Ann. Rep.; Circ. Connecticut
Agricultural Experiment Station. Bulletin. New Haven, Date ?;
Annual Report. New Haven, Date ?; Circular, New Haven, 1929-.
- 442 Contr. Faune Ind. néerl. Contributions à la faune des Indes
néerlandaises. Buitenzorg, 1914-18.
- 480 Contrib. Med. Sci. Contributions to Medical Science. Chicago,
Date ?
- 402 Control de Plagas. Control de Plagas. Havana, 1939-.
- 486 Cornell agric. Exp. Sta., Mem. Cornell University Agricultural
Experiment Station, Memoirs. Ithaca, N.Y., 1913-.
- 422 Čsl. Zemed. Mus., Věstn. Československého Zemedelského Musea,
Vestník. v Praze, 1928-.
- 412 Cyprus Annu. med (Sanit.) Rep. Annual Medical (and Sanitary)
Report, Cyprus. Nicosia, 1911-44.
- 412 Cyprus Dep. Agric., Bull. Cyprus Department of Agriculture,
Bulletin. Entomological Series. Nicosia, 1929-.
- 412 Cyprus med J. Cyprus Medical Journal. Nicosia, 1948-?

- 482 Del. Co. Pa. Mosq. Ext. Comm. Delaware County, Pennsylvania.
Mosquito Extermination Commission.
- 430 Dtsch. med. Wschr. Deutsche medizinische Wochenschrift. Leipzig,
1875.
- 480 Ecol. Monogr. Ecological Monographs. Durham, N.C. 1931-.
- 480 Ecology. Ecology. Brooklyn, 1920-.
- 426 Ectoparasites. Ectoparasites. London and Aylesbury, 1915-24.
- 426 Edinb. med. J. Edinburgh Medical Journal. Edinburgh, 1855-.
- 428 Encycl. ent. Encyclopédie entomologique. Paris, 1924-.
- 426 Ent. Ann. Entomologist's Annual. London, 1855-1874.
- 430 Ent. Bl. Entomologische Blätter. Berlin, 1908-.
- 474 Ent. Bl. Schweiz. Entomologische blätter aus der Schweiz. Zurich,
1871-72.
- 416 Ent. brasil. Entomologiste brasileiro. Sao Paulo, 1908-10.
- 480 Ent. Exch. The Entomologist's Exchange. New Berlin, N.Y., 1879.
- 430 Ent. Ges. Halle, Mitt. Entomologische Gesellschaft zu Halle a. S.
Leipzig, Mitteilungen. Leipzig, 1909-34.
- 474 Ent. Helv. Entomologie helvetique. Zurich. Date ?
- 448 Ent. Mag. Entomological Magazine. Kyoto, 1915-19.
- 442 Ent. Meded. Ned. Ind. Entomologische Mededeelingen van Nederlandsch-
Indie. Blutenzorg, 1935-41.
- 430 Ent. Monatsbl. Entomologische Monatsblätter. Berlin, 1876-1880.
- 430 Ent. Nachr. Entomologische Nachrichten. Berlin, 1875-1900.
- 430 Ent. Nachrbl., Troppau. Entomologisches Nachrichtenblatt. Troppau,
1927-40.
- 422 Ent. Odd. nár. Mus., Sborn. Entomologického oddělení národního
(zemského) Musea v Praze, Sborník. Praha, 1923-.
- 424 Ent. & Phytopath., Hangchow. Entomology and Phytopathology.
Hangchow, 1933-37.

- 422 Ent. Prirucky. Entomologické Prirucky. Praha, 1905-33.
- 420 Ent. Soc. N.S., Proc. Entomological Society of Nova Scotia, Proceedings. Truro, 1915-20.
- 408 Ent. Soc. N.S. Wales, Trans. Entomological Society of New South Wales, Transactions. Sydney, 1863-73.
- 426 Ent. Soc. S. Engl., Trans. Entomological Society of (Hampshire and) the South of England, Transactions. Southampton, 1929-32.
- 468 Ent. Tidskr. Entomologisk tidskrift. Stockholm, 1880-.
- 426 Ent. Weekly Intel. Entomologist's Weekly Intelligencer. London, 1856-1861.
- 448 Ent. World, Tokyo. Entomological World. Tokyo, Date ?
- 436 Eos, Madr. Eos, Revista espanola de entomologia. Madrid, 1925-.
- 472 F.M.S. Mus., J. Federated Malay States Museums, Journal. Kuala Lumpur, 1905-.
- 472 Far-East Ass. trop. Med. Cong., Trans. Far-Eastern Association of Tropical Medicine, Congresses Transactions. Singapore; Weltevreden, 1910-.
- 466 Feldsher Mosk. Feldsher. Moskva, 1938-.
- 466 Feldsher Spb. Feldsher. St. Petersburg, 1891-1907.
- 486 Field & Lab. Field and laboratory. Contributions from the Science Departments of Southern Methodist University. Dallas, Tex. 1932-.
- 454 Fiji, Bull. Dep. Agric. Fiji. Bulletin of the Department of Agriculture. Fiji, 1911.
- 478 Fish and Wildlife Serv., Res. Rep. U.S. Fish and Wildlife Service, Research Reports. Washington, 1941-.
- 482 Florida Ent. Florida Entomologist. Gainesville, 1920-.
- 416 Folha med. Folha medica. Rio de Janeiro, 1920-.
- 412 Folia ent. hung. Folia entomologica hungarica. Budapest, 1923-.
- 448 Folia psychiat. neur. jap. Folia psychiatrica et neurologica japonica. Okayama, 1933-.

- 414 Folia zool. hydrobiol., Riga. Folia zoologica et hydrobiologica Riga, 1929-43.
- 430 Forsch. Fortschr. dtsch. Wiss. Forschungen und Fortschritte der deutschen Wissenschaften, Berlin, 1925-.
- 430 Fortschr. Röntgenstr. Fortschritte auf dem Gebiete der Röntgenstrahlen. Hamburg, 1897-.
- 428 Frelon. Frelon. (Journal d'entomologie.) Chateauroux, 1891-1911.
- 446 G. Med. milit. Giornale di medicina militare. Roma, 1908-.
- 400 Gambia, Annu. med. (Sanit.) Rep. Annual Medical (and Sanitary) Report, Gambia. London. Date ?
- 428 Gaz. med. Fr. Gazette médicale de France. Paris, 1927-.
- 430 Gelehrte Anz. K. Bayer. Acad. Wiss. Gelehrte anzeiger. Koeniglich Bayerische Academie der Wissenschaften. Munich, 1835-60.
- 426 Geogr. J. Geographical Journal. London, 1893-.
- 474 Gesundh. u. Wohlf. Gesundheit und Wohlfahrt. Zurich, 1934-.
- 466 Gigena i sanit. Gigena i sanitaria. Moskva, 1933-.
- 400 Gordon Mem. Col. Wellcome trop. Res. Lab., Rep. Gordon Memorial Collegc. Wellcome (Tropical) Research Laboratories, Reports. Khartoum, 1904-11.
- 436 Graellsia. Graellsia. Revista de entomologos espanoles. Madrid, 1943-.
- 402 Grenada Rep. med. sanit. Dep. Report on the Medical and Sanitary Department, Grenada, West Indies. Date ?
- 426 Hampsh. ent. Soc. Trans. Hampshire Entomological Society, Transactions. Southampton, 1924-28.
- 480 Helm. Soc. Wash., Proc. Helminthological Society of Washington Proceedings. Washington, 1934.
- 418 Hilgardia. Hilgardia. Berkeley, 1925-.
- 434 Hippokrates. Hippokrates. Rotterdam, 1814-28.
- 466 Horae Soc. ent. ross. Horae Societatis Entomologicae Rossicae. St. Petersburg, [later Leningrad], 1861-1932.

- 438 Ill. nat. Hist. Surv., Bull. Illinois Natural History Survey, Bulletin. Urbana, 1918-.
- 438 Ill. biol. Monogr. Illinois Biological Monographs. Univ. of Illinois. Urbana, 1914-.
- 426 Imp. Bur. agric. Parasit., St. Albans, Notes. Imperial Bureau of Agricultural Parasitology, Notes and Memoranda. St. Albans, 1931-36.
- 440 Indian For. Rec. Indian Forest Records. Delhi, 1907-34. New Series. Delhi, 1935-.
- 482 Ind. Acad. Sci., Proc. Indiana Academy of Science, Proceedings. Brookville, 1891-.
- 440 Indian med. J. Indian Medical Journal. Bombay, 1910-.
- 440 Indian med. Res. Mem. Indian Medical Research Memoirs. Calcutta, 1924-42.
- 424 Insect Inform. Insect Information. Hangchow, 1937-.
- 480 Insect Life. Insect Life. Washington, 1888-95.
- 448 Insect World. Insect World. Gifu, Japan. 1897-.
- 448 Insecta matsum. Insecta matsumurana. Sapporo, 1926-.
- 456 Inst. Biol. Univ. M $\acute{e}$ x., An. Instituto de biología, Anales. Universidad de Mexico. 1930-.
- 400 Inst. Hyg. Maroc, Bull. Institut d'hygiene du Maroc, Bulletin. Rabat. Date ?
- 470 Inst. nac. Parasit., An. Instituto nacional de parasitología, Anales. Asunción, Paraguay, 1928-32.
- 404 Inst. Parasit. Esc. Vet. B. Aires Publ. Instituto de parasitología y enfermedades parasitarias, publicaciones. Escuela de veterinarias, Buenos Aires, 1938-.
- 456 Inst. Salubr. Enferm. trop., M $\acute{e}$ x., Rev. Instituto de salubridad y enfermedades tropicales, Revista. Mexico, 1939-.
- 426 Inst. Sew. Purif., J. Institute for Sewage Purification. Journal (and Proceedings). Kew, 1933-.
- 468 International Council for the Study of the Sea. Various Publications. Copenhagen.

- 418 Invertebrata Pacifica. Invertebrata pacifica. Pomona College, Dept. Biology. Claremont, Cal., 1903-07.
- 444 Iowa Acad. Sci., Proc. Iowa Academy of Science, Proceedings. Des Moines, 1887-.
- 444 Iowa St. Coll. J. Sci. Iowa State College Journal of Science. Ames, 1926-.
- 426 Is. Man nat. Hist. Soc., Proc. Isle of Man Natural History and Antiquarian Society, Proceedings. Douglas, 1906-.
- 426 Is. Wight nat. Hist. Soc., Proc. Isle of Wight Natural History, Proceedings. Newport, 1920-.
- 446 Ist. sup. agr. Portici. Lab. ent. agr., Boll.; Circ. Istituto superiore agrario di Portici. Laboratorio di entomologia agraria, Bollettino, 1937-; Circulare, 1922-.
- 446 Ist. sup. agr. Portici. Lab. zool., Boll. Istituto superiore agrario di Portici. Laboratorio di zoologia general e agraria, Bollettino. 1907-38.
- 480 J. agric. Res. Journal of Agricultural Research. Washington, 1913-49.
- 480 J. appl. Micr. Journal of Applied Microscopy (and Laboratory Methods). Rochester, N.Y., 1898-1903.
- 440 J. Christ. med. Ass. India. Journal of the Christian Medical Association of India, Burma & Ceylon. Mysore, 1926-.
- 468 J. Conseil. Journal du conseil. Copenhagen, 1926. See Internatl. Council for the Study of the Sea.
- 426 J. econ. Biol. Journal of Economic Biology. London, 1905-15.
- 426 J. Ent. Journal of Entomology. London, 1860-66.
- 448 J. Ent. Journal of Entomology. Tokyo, 1895-96.
- 418 J. Ent. Zool. Journal of Entomology and Zoology. Pomona College, Claremont, Cal., 1913-.
- 480 J. For. Journal of Forestry. Washington, 1917-.
- 480 J. Hist. Med. Journal of the History of Medicine and Allied Sciences. New York, 1946-.

- 480 J. Mammal. Journal of Mammalogy. Baltimore, 1919-.
- 480 J. Nutr. Journal of Nutrition. Baltimore, 1928-.
- 480 J. Pediat. Journal of Pediatrics. St. Louis, 1932-.
- 428 J. Pharm. Journal de pharmacie et des sciences accessoires. Paris, 1815-41.
- 480 J. Pharmacol. Journal of Pharmacology and Experimental Therapeutics. Baltimore, 1909-.
- 406 J. R. Fac. Med. Iraq. Journal of the Royal Faculty of Medicine of Iraq. Baghdad, Date ?
- 440 J. trop. vet. Sci. Journal of Tropical Veterinary Science. Calcutta, 1906-12.
- 426 J. zool. Res. Journal of Zoological Research. London, 1916-18.
- 430 Jahrb. Insekten. Jahrbücher der insektenkunde. Berlin, 1834.
- 448 Jap. J. med. Sci. Japanese Journal of Medical Science. VI Bacteriology and Parasitology. Tokyo, 1929-.
- 430 Jber. mähr. Ges. Landw. Jahresbericht der K.K. Mährischen Gesellschaft zur Beförderung der Landwirtschaft, der Natur-u. Landeskunde. Brünn, 1835-67.
- 450 Kans. ent. Soc., J. Kansas Entomological Society, Journal. Manhattan, Kans., 1928-.
- 450 Kans. Univ. Quart. Kansas University Quarterly. Lawrence, 1892-1901
- 450 Kans. Univ. Sci. Bull. Kansas University. Science Bulletin, Lawrence, 1902-.
- 448 Konchu Sekai. Konchu sekai [Eng. title: Insect World]. Cifu, Japan, 1897-.
- 448 Kontyû. Kontyû. Tokyo Entomological Society. Meguro, 1926-.
- 448 Kyoto Imp. Univ., Coll. Agric., Mem.; Coll. Sci., Mem. Ser. B. Kyoto Imperial University. College of Agriculture, Memoirs. Kyoto, 1926-; College of Science, Memoirs. Kyoto, 1914-.
- 446 Lab. Ent. agr. Portici, Boll., Circ. R. Laboratorio di entomologia agraria. R. Scuola superiore di agricoltura in Portici, Bollettino. 1937-; Circolare. Portici, 1922-31

- 446 Lab. Zool. Portici, Boll. Laboratorio di zoologia general e
 agraria, della R. Scuola sup. (del R. Istituto -- della Facolta)
 d'agricoltura, Bollettino. Portici, 1907-38.
- 448 Lansania. Lansania. Tokyo. 1929-30.
- 500
- 430 Linn. Ent. Linnaea entomologica. Berlin, 1846-58.
- 426 Lond. Sch. trop. Med., J. London School of tropical Medicine,
 Journal. London, 1911-13.
- 472 M.S. Mus., J. (Federated) Malay States Museums, Journal. Kuala
 Lumpur, 1905-.
- 430 Mag. Ent. Magazin der Entomologie. Halle, 1813-21.
- 430 Mag. Insekten. Magazin für insektenkunde. Brunswick, 1801-07.
- 466 Mag. Parasit., Moscow. Magazin Parasiten. Moscow, 1880-.
- 400 Maroc med. Maroc médical. Casablanca, 1921-
- 400 Mauritius, R. Alfred Obs., Publ. Royal Alfred Observatory, Mis-
 cellaneous Publications. Mauritius, 1920-.
- 420 McGill Univ. Macdonald Coll. Repr. McGill University. Macdonald
 College Reprints. Quebec, 1930-33.
- 482 Med. Ann. D.C. Medical Annals of the District of Columbia.
 Washington, 1932-.
- 480 Med. Bull. Stand. Oil Co. Medical Bulletin. (Standard Oil
 Company of New Jersey) New York, 1913-.
- 410 Med. Klinik. Medizinische Klinik. Wien, 1904-45.
- 408 Med. J. Aust. Medical Journal of Australia. Sydney, 1914-.
- 472 Med. J. Malaya. Medical Journal of Malaya. Singapore, 1946-.
- 426 Med. Pr. Medical press (and Circular). London, 1866-.
- 436 Med. y Cir., Guerra. Medicina y cirugía Guerra. Madrid, Date ?
- 470 Medicina, Méx. Medicina. México, 1920-.
- 466 Messenger ent., Kiev. Messenger entomologique. Kiev, 1912-14.

- 486 Mich. Univ., Misc. Publ. Mus. Zool. Michigan University, Miscellaneous Publications of the Museum of Zoology. Ann Arbor, 1915-.
- 480 Microentomology. Microentomology. (Stanford University) Palo Alto, 1936-.
- 446 Minerva med., Roma. Minerva medica. Rome, 1909-.
- 426 Minist. Hlth. Lab. Serv., Mon. Bull. Ministry of Health and Public Health Laboratory Service, Monthly Bulletin. London, 1944-.
- 486 Minn. Univ., Dep. Agric., Agric. Ext. Div., Bull. Minnesota, University of., Department of Agriculture, Agricultural Extension Division, Bulletin. St. Paul, Date ?
- 404 Mis. Estud. Pat. Jujuy, Publ. Mision de estudios de patologia regional argentina, Jujuy, Universidad de Buenos Aires, Publicaciones. Buenos Aires, 1930-.
- 428 Misc. ent. Miscellanea entomologica. Sorbonne, Paris, 1892-.
- 412 Mitt. bulg. ent. Ges. Mitteilungen der Bulgarischen entomologischen Gesellschaft in Sofia. Sofia, 1924-46.
- 462 Mon. Bull. Philipp. Hlth. Serv. Monthly bulletin of the Philippine Health Service. Manila, 1921-.
- 430 Munch. ent. Ges., Mitt. Munchener Entomologischen Gesellschaft, Mitteilungen. Munchen, 1910-.
- 430 Munch. ent. Vereins, Mitt. Munchener Entomologische Vereins, Mitteilungen. Munchen, 1877-81.
- 466 Mus. zool. Acad. St. Petersburg, Annu. Musee zoologique de l'Académie Impériale des sciences de St. Petersburg, [now Leningrad] Annuaire, 1896-1932.
- 448 Mushi. Mushi. Fukuoka, Japan, 1928-.
- 440 Mysore Dep. Agric., ent. Ser., Bull. Mysore, Department of Agriculture, Entomological Series, Bulletin. Bangalore, 1911-.
- 480 N. Amer. Ent. North American Entomologist. Buffalo, N.Y., 1879-80.
- 480 N. Amer. Vet. North American Veterinarian. Evanston, Ill., 1920-.
- 430 N. Beitr. syst. Insektenk. Neue Beitrage zur systematischen Insektenkunde. Berlin, 1916-32.

- 484 N.C. Bd. Hlth., Bull. North Carolina Board of Health, Bulletin. Raleigh, Date ?
- 484 N.C. Dep. Agric., Bull. North Carolina Board (Department) of Agriculture, Bulletin. Raleigh, Date?
- 458 N.J. agric. Exp. Sta., Bull. New Jersey Agricultural Experiment Station, Bulletin. New Brunswick, Date ?
- 458 N.J. Dep. Hlth., Rep. New Jersey Department of Health, Report. Trenton, Date ?
- 482 N.Y. med. J New York Medical Journal. New York, 1865-1923.
- 420 Nat. canad. Naturaliste canadien. Quebec, 1868-.
- 475 Nat. Hist. Soc. Formosa, Trans. Natural History Society of Formosa, Transactions. Taihoku, 1925-.
- 400 Nat. in E. Afr. Nature in East Africa. Nairobi, 1947-.
- 480 Nat. med. Ass., J. Tuskegee, Ala. National Medical Association, Journal. Tuskegee, Ala., 1909-.
- 428 Naturaliste. Naturaliste. Paris, 1869-1910.
- 410 Naturw.-med. Ver. Innsbruck, Ber. Naturwissenschaftlich-medizinischen Verein, in Innsbruck, Berichte. Innsbruck, 1870-.
- 448 Nawa ent. Lab., Bull. Nawa Entomological Laboratory, Bulletin. Gifu, Japan, 1916-17.
- 482 New Engl. Nat. New England Naturalist. Boston, 1938-42.
- 468 Nord. med. Nordisk Medicin. Stockholm, 1939-.
- 468 Norsk ent. Tidsskr. Norsk entomologisk Tidsskrift. Kristiania, 1920-.
- 468 Norsk VetTidsskr. Norsk Veterinærtidsskrift. Kristiania, 1889-1948.
- 424 Notes Ent. chin. Notes d'entomologie chinoise. Musee Heude. Chang-Hai, 1929-.
- 468 Notul. ent., Helsinf. Notulae entomologicae. Helsingfors, 1921-.
- 480 Notul. nat. Acad. Philad. Notulae Naturae. Academy of Natural Sciences of Philadelphia, 1939-.

- 430 Nova Acta Leop. Carol. Nova Acta Academiae Caeſareae Leopoldino-Carolinae Germanicae naturae curiosorum. Halle a. S. 1757-.
- 430 Nova Acta Phys.-Med. Nova Acta Physico-medica. K. Deutsche Akademie der Naturforscher zu Halle. Halle, 1757-1842. (To 1922 as Leopoldinisch-Carolinische Deutsche Akademie der Naturforscher.)
- 428 Novit. ent. Novitates entomologicae. Paris, 1931-.
- 446 Nuovi Ann. d'Igiene e Microbiol. Nuovi Annali d'Igiene e Microbiologia. Roma, 1950-.
- 422 Ochr. Rost. Ochrana Rostlin. Praha, 1921-.
- 484 Ohio biol. Surv., Bull. Ohio Biological Survey, Bulletin, Columbus, 1913-.
- 482 Ohio J. Sci. Ohio Journal of Science. Columbus, 1915-.
- 482 Okla. Acad. Sci., Proc. Oklahoma Academy of Science, Proceedings. Stillwater, 1910-.
- 468 Opusc. ent. Opuscula Entomologica. Lund, 1936-.
- 484 Ore. agric. Coll., Bull. Oregon Agricultural College, Bulletin. Corvallis, Date ?
- 448 Oyo-Dobuts, Zasshi. Oyo-dobut sugaku-zasshi. Tokyo, 1935-.
- 448 Oyo-Kontyu. Oyo-kontyu. Tokyo, 1938-.
- 402 P.R. (fed.) agric. Exp. Sta., Bull. Porto Rico Agricultural Experiment Station, Bulletin. Federal Station, Mayaguez. Washington, 1902-.
- 402 P.R. Inst. trop. Med., Rep. Institute of Tropical Medicine and Hygiene of Porto Rico, Report and Collected Studies. San Juan, 1913-17.
- 402 P.R J. Dep. Agric. Porto Rico. Journal of the Department of Agriculture. San Juan, 1917-34.
- 402 P.R. Rev. (J.) publ. Hlth. Porto Rico Review (Journal) of Public Health and Tropical Medicine. San Juan, 1927-32.
- 402 P.R. Univ. J. Agric. Puerto Rico University. Journal of Agriculture. San Juan, 1932-.

- 470 Panama Can. Hlth. Dep., Rep. Panama Canal Health Department, Report. Mount Hope, Balboa Heights. Date ?
- 446 Pathologica. Pathologica. Genova, 1908-.
- 428 Petites N. Entom. Petites nouvelles entomologiques. Paris, 1869-79.
- 430 Pharmazie. Pharmazie. Berlin, 1946-.
- 480 Plant World. Plant World. New York, 1897-1919.
- 472 Planter, Kuala Lumpur. Planter. Kuala Lumpur, 1920-.
- 464 Polskie Pismo Ent. Polskie Pismo entomologiczne. Lvov, 1922-.
- 486 Pomona Coll., J. Ent. Zool. Pomona College. Journal of Entomology and Zoology. Claremont, Cal., 1913-.
- 426 Pop. Gdng. Popular Gardening. London, 1920-.
- 480 Pract. Ent. Practical Entomologist. Philadelphia, 1865-67.
- 422 Praze, Sborn. ent. Odd. nár. Mus. Sborník entomologického oddělení národního (zemského) Musea v Praze. Praha, 1923-.
- 466 Priroda, Petrogr. Priroda, Petrograd. Moskva, 1912-20.
- 428 Prod. pharm. Produits pharmaceutiques. Paris, 1946-.
- 446 Progr. med., Napoli. Progresso medico. Napoli, 1887-95.
- 458 Publ. Hlth. News, Trenton, N.J. Public Health News. Trenton, N.J., Date ?
- 408 Qd. Univ. Pap. Dep. Biol. Queensland University. Papers of the Department of Biology. Brisbane, 1937-.
- 475 Quart. J. Taiwan Mus. Quarterly Journal of the Taiwan Museum. Taipei, 1943-.
- 400 R. Egypt. med. Ass., J. (Royal) Egyptian Medical Association, Journal. Cairo, 1928-.
- 480 R.W. R.W., A journal for nurses. New York, 1937-.
- 426 R. sanit. Inst., J. (Royal) Sanitary Institute, Journal. London, 1894-.
- 446 Rass. Studi psichiat. Rassegna di studi psichiatrici. Siena, 1911-.

- 480 Rec. Amer. Ent. Record of American Entomology. Salem, Mass., 1868-73.
- 428 Rec. Méd. vét. Recueil de médecine vétérinaire de l'Ecole d'Alfort. Paris, 1824-.
- 426 Rec. Q. Vict. Mus. Records of the Queen Victoria Museum. Launceston, 1942-.
- 470 Rev Acad. colomb. Revista de la Academia colombiana de ciencias exactas, físicas y naturales. Bogota, 1926-.
- 416 Rev. Ass. paul. Med. Revista da Associação paulista de medicina. São Paulo, 1932-41.
- 470 Rev. chil. Hig. Revista chilena de higiene y medicina preventiva. Santiago, 1937-.
- 470 Rev. chil. Hist. nat. Revista chilena de historia natural. Santiago, 1897-.
- 470 Rev. clín. S. Paulo. Revista clínica de São Paulo. São Paulo, 1937-.
- 428 Rev. Ent., Caen. Revue d'entomologie. Caen, 1882-1910.
- 416 Rev. Ent., Rio de J. Revista de entomologia. Rio de Janeiro, 1931-.
- 466 Rev. Ent. U.R.S.S. Revue d'entomologie de l'URSS. Moskva, 1933-.
- 436 Rev. esp. Pediat. Revista española de pediatría. Zaragoza, 1945-.
- 470 Rev. Fac. Med., Bogota. Revista de la Facultad de medicina. (Universidad nacional). Bogota, 1932-.
- 428 Rev. franc. Ent. Revue française d'entomologie. Paris, 1934-.
- 436 Rev. ibér. Parasit. Revista ibérica de parasitología. Granada, 1941-.
- 404 Rev. Jard. zool. B. Aires. Revista del Jardín zoológico de Buenos Aires, Date ?
- 470 Rev. méd. C. Rica. Revista médica de Costa Rica. San José, 1942-.
- 402 Rev. méd. cubana. Revista médica cubana. Habana, 1910-.
- 406 Rev. méd. Moy. Or. Revue médicale du Moyen Orient. Beirut, Date ?

- 402 Rev. Med. trop., Habana. Revista de medicina tropical y parasitologia, bacteriologia, clinica y laboratorio. Habana, 1937-46.
- 470 Rev. Med. vet., Caracas. Revista de medicina veterinaria y parasitologia. Caracas, 1939-.
- 402 Rev. Parasit., Habana. Revista de parasitologia clinica y laboratorio. Habana, 1935-36
- 416 Rev. paulist. Med. Revista paulista de medicina. Sao Paulo, 1942-.
- 428 Rev. Prat. Mal. Pays chauds. Revue pratique des maladies des pays chauds. Paris, 1922-.
- 466 Rev. russe Ent. Revue russe d'entomologie. St. Petersburg, [after 1924 Leningrad] 1901-30.
- 470 Rev. Sanid. Asist. soc. Revista de sanidad y asistencia social. Caracas, 1940-.
- 404 Rev. Sanid. Milit. Revista de la sanidad militar. Buenos Aires, 1900-.
- 416 Rev. Serv. Saúde públ., Rio de J. Revista do Servico especial de Saúde pública. Rio de Janeiro, 1947-.
- 404 Rev. Sudamer. Ent. Aplic. Revista sudamericana de entomologie aplicada. Buenos Aires, Date ?
- 404 Rev. zootéc. Revista zootécnica. Buenos Aires, 1909-.
- 446 Riv. Pat. nerv. ment. Rivista di patologia nervosa e mentale. Firenze, 1896-.
- 446 Riv. Stor. crit. Sci. Rivista di storia critica delle scienze mediche e naturali. Faenza, 1910-.
- 482 Rocky Mtn. med. J. Rocky Mountain Medical Journal. Denver, 1938-.
- 412 Rovart. Lapok. Rovartani Lapok. Budapest, 1884-1926.
- 466 Russ. ent. Obozr. Russkoe Entomologicheskoe Obozrenie. Leningrad, 1901-30.
- 466 Russ. ent. Obshch., Trud. Russkoe Entomologicheskoe Obshchestvo, Trudy. St. Petersburg, [after 1924 Leningrad] 1861-1932.
- 400 S. Afr. J. Sci. South African Journal of Science. Cape Town, 1909-.

- 400 S. Afr. Mus. Ass., Bull. South African Museums Association, Bulletin. Durban, 1936-.
- 426 S. Lond. ent. nat. Hist. Soc., Proc. South London Entomological and Natural History Society, Proceedings (and Transactions). London, 1885-.
- 442 Sarawak Mus., Rep. Sarawak Museum, Report. Sarawak, 1900-.
- 422 Sborn. ent. Odd. nár. Mus. Praze. Sborník entomologického oddělení národního (zemského) Musea v Praze. Praha, 1923-.
- 430 Schr. phys. - ökon Ges. Königsb. Schriften der physikalisch - ökonomischen Gesellschaft zu Königsberg 1. Pr. Königsberg, 1860-.
- 474 Schweiz. ent. Ges., Mitt. Schweizerische Entomologischen Gesellschaft, Mitteilungen. Schaffhausen, Bern, 1862-.
- 420 Sci. Agric. Scientific Agriculture. Ottawa, 1921-.
- 446 Sci. genet. Scientia genetica. Torino, 1939-.
- 426 Sci. Gossip. Sci. Gossip. London, 1865-1902.
- 480 Sci. Mon., N.Y. Scientific Monthly. New York, 1915-.
- 315 Science. [All U.S. Serials published under name "Science", regardless of where published.]
- Scientia. Index under country where published.
- 430 Senckenbergiana. Senckenbergiana. Frankfurt a. M., 1918-.
- 424 Shanghai Sci. Inst., Bull. Shanghai Science Institute, Bulletin. Shanghai, 1929-.
- 422 Slov. Lek. Slovenský Lekár. Bratislava, 1946-?
- 428 Soc. Acclim. Fr., Bull. Société nationale d'acclimatation de France, Bulletin. Paris, 1854-1946.
- 404 Soc. argent. Pat. reg. N., Reun. Sociedad argentina de patología Regional del Norte, Reunion. Buenos Aires, 1926-.
- 426 Soc. Bibl. nat. Hist., J. Society for the Bibliography of Natural History, Journal. London, 1936-.

- 404 Soc. ent. argent., Bol. Sociedad entomológica argentina, Boletín. Buenos Aires, 1925-31:38-.
- 404 Soc. ent. argent., Rev. Sociedad entomológica argentina, Revista. Buenos Aires, 1926-.
- 416 Soc. ent. Brazil, Bol. Sociedade entomologica do Brazil, Boletín. Rio de Janeiro, 1922-23.
- 412 Soc. ent. Bul., Bull. Société entomologique de Bulgarie, Bulletin. Sofia, 1924-42.
- 470 Soc. ent. Chile, Bol. Sociedad entomológica de Chile, Boletín. Santiago, 1928-.
- 400 Soc. ent. Egypte, Mem. Société entomologique d'Egypte, Mémoires. Le Caire, 1908-37.
- 436 Soc. ent. Esp., Bol. Sociedad entomologica de Espana, Boletín, Zaragoza, 1918-36.
- 446 Soc. ent. ital., Boll., Mem. Società entomologica italiana, Bollettino. Firenze, Genova, 1869-. Memorie. Genova, 1921-.
- 466 Soc. ent. Moscow, Bull. Société entomologique de Moscou, Bulletin. Moscou, 1915-22.
- 466 Soc. ent. ross., Horae. Societas Entomologicae Rossica, Horae. St. Petersburg, [after 1924 Leningrad] 1861-1932.
- 400 Soc. Fouad ent., Bull., Mem. Société Fouad 1^{re} d'entomologie, Bulletin. Le Caire, 1938-. Memoirs. Le Caire, 1908-.
- 446 Soc. ital. Biol. sper., Boll. Società italiana di biologia sperimentale, Bollettino. Napoli, 1927-.
- 428 Soc. méd. Hôp. Paris, Bull. et Mém. Société médicale des hôpitaux de Paris, Bulletins et mémoires. Paris, 1849-.
- 446 Soc. veneto-trent. Sci. Nat., Boll. Società veneto-trentina di scienze naturali residente in Padova, Bollettino. Padova, Italy, 1872-99.
- 466 Soviet Med., Moscow. Soviet Medicine. Moscow, 1937-.
- 480 Stain Tech. Stain Technology. Geneva, N.Y., 1926-.
- 486 Stanf. Univ. Publ., Biol. Sci. Stanford University Publications. Biological Sciences. Palo Alto, 1920-.

- 466 Stav. ent. Obschch., Izv. Stavropol'skoe entomologicheskoe obshchestvo, Izvestiia. Stavropol, 1925-38.
- 430 Stettin. ent. Ztg. Stettiner entomologische Zeitung. Stettin, 1840-1944.
- 468 Suomen Hyönteistieteellinen Aikakauskirja. Helsinki, 1935-. Abrev. as Ann. Ent. Fenn.
- 430 Suppl. ent. Supplementa entomologica. Berlin, 1912-29.
- 408 Sydney Sch. publ. Hlth. Sydney Univ., Coll. Pap., Serv. Publ. Commonwealth School of Public Health and Tropical Medicine of Sydney University, Collected Papers. Sydney, 1937-. Service Publication, Sydney, 1934-.
- 475 Taihoku Univ. Contr. Ent. Lab. Taihoku University. Contributions of the Entomological Laboratory. Formosa, 1928-.
- 400 Tanganyika Dep. Agric.; Leaflet.; Pamphl.; Rep. Tanganyika Department of Agriculture, Leaflet. Dar-es-Salaam, 1923-; Pamphlet. Morogoro, 1927-; Report. London and Dar-es Salaam, 1922-.
- 482 Tenn. Acad. Sci., J. Tennessee Academy of Science, Journal. Nashville, 1926-.
- 448 Tenthredo. Tenthredo. Acta entomologica. Takeuchi Entomological Laboratory. Kyoto, 1936-42.
- 482 Tex. Rep. Biol. Med. Texas Reports on Biology and Medicine. Galveston, 1943.
- 430 Tierwelt Dtsch. Tierwelt Deutschlands und der angrenzenden Meeressteile. Jena, 1925-.
- 430 Tierwelt Mitteleur. Tierwelt Mitteleuropas. Leipzig, 1927-.
- 470
- 482 Trans. N. Amer. Wild. Conf. Transactions of the North American Wildlife Conference. Washington, 1937-.
- 426 Trans. zool. Soc. Lond. Transactions of the Zoological Society of London. London, 1833-.
- 442 Treubia. Treubia. Buitenzorg, 1919-.
- 440 Trop. Agriculturist. Tropical Agriculturist and Magazine of the Ceylon Agricultural Society. Paradeniya, 1881-.

- 480 Trop. Med. News. Tropical Medicine News. Bethesda, Md., 1944-.
- 406 Türk. Bull. Hyg. exp. Biol. Türk İjyeni ve Tecrübi Biyoloji Dergisi. Ankara, 1945-.
- 478 U.S. Bur. anim. Ind., Bull. United States Department of Agriculture, Bureau of Animal Industry, Bulletins. Washington.
- 400 Un. S. Afr., Agric. J. Union of South Africa, Agricultural Journal. Pretoria, 1911-14.
- 400 Un. S. Afr. Dep. Agric. Rep. Div. Ent.; Misc. Publ. Union of South Africa Department of Agriculture. Report of the Division of Entomology. Miscellaneous Publications.
- 482 Utah Acad. Sci., Proc.; Trans. Utah Academy of Sciences, Proceedings. Provo, 1929- Transactions. Salt Lake City, 1908-28.
- 486 Utah Univ., Bull. Biol. Ser. Utah, University of. Bulletin. Biological Series. Salt Lake City, 1929-.
- 484 Va. Hlth., Bull. Virginia Health Bulletin. Richmond, Date?
- 410 Verh. zool. bot. Ges Wien. Verhandlungen der K.K. Zoologische-Botanischen Gesellschaft in Wien. Wien, 1852-.
- 434 Versl. Meded. Volksgezondheid. Verslagen en mededeelingen betreffende de Volksgezondheid (Voorzitten vande gezondheidsraad) The Hague, 1921.
- 412 Vet. Arhiv. Veterinarski Arhiv. Zagreb, 1931-.
- 426 Vet. Bull., Weybridge. Veterinary Bulletin, Weybridge, 1931-.
- 426 Vet. J. Veterinary Journal. London, 1875-1948.
- 430 WandVersamml dtsh. Ent. Wanderversammlung Deutscher Entomologen. Berlin-Dahlem, 1926-34.
- 480 Ward's ent. Bull. Ward's Entomological Bulletin. Rochester, N.Y., 1932-.
- 480 Wash. Acad. Sci. Jour., Proc. Washington Academy of Science, Journal, Washington, 1911- Proceedings. Washington, 1899-1911.
- 400 Wellcome trop. Res. Lab. Rep. Wellcome (Tropical) Research Laboratory, Reports. Khartoum, 1904-11.
- 480 What's New. What's New (Abbot Laboratories). Chicago. Various editions. 1929 is earliest listed.

- 410 Wien ent. Monatschr. Wiener entomologische monatschrift. Wien,
1857-64.
- 430 Z. Ent. Zeitschrift für Entomologie. Breslau, 1847-.
- 430 Z. Hyg. InfektKr. Zeitschrift für Hygiene und Infektions-
Krankheiten. Leipzig, 1886-.
- 430 Z. hyg. Zool. Zeitschrift für hygienische Zoologie und Schadlings-
bekämpfung. Berlin, 1936-.
- 430 Zentbl. Bakt. Zentralblatt für Bakteriologie, Parasitenkunde u.
Infectionskrankheiten. Jena. Abt. 1, 1887-; Abt. 2, 1895-.

"Date" Section

"Date" Section of the card: Date of publication

The date of the publication is coded directly by the year, using only the last two digits, in the Section of the card marked "date".

NOTE: The century of the publication is coded in Section "M" (See Part III, par. 7).

"Author" Section

"Author" Section of the card: Alphabetical subdivision list of authors

Authors are indexed by using a 299-subdivision alphabet code. If several authors contributed to the preparation of a paper, only the senior author is coded.

References without a cited author have been indexed in either of two ways: If the reference is the official publication of an organization, the main identifying word of the organization is used as author (a standard library procedure); if the reference is in a periodical and the author is not cited, then "anonymous" is used as the author. Our experience has been that the use of "anonymous" makes the reference easier to locate in the card files.

"Author" Section

AUTHORS' CODE

With code numbers assigned according to the beginning of the author's name

Aa	1	Car	41	Fl	81	Hor	121
Ad	2	Cas	42	Foa	82	How	122
Ag	3	Ce	43	Fos	83	Hua	123
Ala	4	Cha	44	Fra	84	Hum	124
All	5	Che	45	Fre	85	Hur	125
Am	6	Chi	46	Fro	86	Ia	126
Ana	7	Chr	47	Gaa	87	In	127
Ang	8	Ci	48	Gal	88	Jan	128
Ar	9	Cla	49	Car	89	Jacob	129
At	10	Cle	50	Gea	90	Jan	130
Baa	11	Coa	51	Ger	91	Jer	131
Bai	12	Col	52	Gi	92	Joa	132
Bal	13	Con	53	Gl	93	Jon	133
Bara	14	Coo	54	Goa	94	Jor	134
Barr	15	Cor	55	Goo	95	Kaa	135
Bat	16	Cr	56	Gor	96	Kam	136
Bea	17	Cu	57	Gra	97	Kat	137
Bed	18	Daa	58	Gre	98	Kea	138
Bel	19	Dam	59	Gri	99	Kel	139
Ben	20	Dav	60	Gu	100	Kem	140
Ber	21	Dea	61	Haa	101	Ker	141
Bern	22	Del	62	Hag	102	Kia	142
Bi	23	Der	63	Hal	103	Kin	143
Bla	24	Dia	64	Han	104	Kl	144
Bli	25	Dil	65	Han	105	Kn	145
Boa	26	Doa	66	Hara	106	Koa	146
Boe	27	Don	67	Hart	107	Kol	147
Bor	28	Dr	68	Haw	108	Kra	148
Bra	29	Du	69	Hea	109	Kro	149
Bre	30	Ea	70	Hei	110	Ku	150
Bro	31	Ed	71	Hel	111	Laa	151
Brown	32	El	72	Hen	112	Lal	152
Bru	33	Em	73	Her	113	Lan	153
Bua	34	Er	74	Hes	114	Lar	154
Bura	35	Et	75	Hia	115	Lea	155
Burl	36	Faa	76	Hill	116	Lei	156
Bus	37	Far	77	Hoe	117	Les	157
Ca	38	Fe	78	Hoff	118	Lia	158
Cal	39	Fia	79	Hol	119	Lin	159
Cam	40	Fis	80	Hom	120	Loa	160

Lon	161	Oa	196	Sche	231	To	266
Lu	162	O'B	197	Schi	232	Tra	267
Maa	163	O'H	198	Schm	233	Tri	268
Mag	164	Ol	199	Schn	234	Tu	269
Man	165	Or	200	Scho	235	Ua	270
Mara	166	Paa	201	Schr	236	Un	271
Mars	167	Par	202	Schu	237	Va	272
Mas	168	Pas	203	Schw	238	Ve	273
McA	169	Pea	204	Sci	239	Vi	274
McD	170	Pen	205	Sea	240	Vo	275
McK	171	Pet	206	Sel	241	Waa	276
Mea	172	Pf	207	Sha	242	Wala	277
Mer	173	Pi	208	She	243	Wals	278
Mes	174	Pl	209	Shi	244	War	279
Mey	175	Poa	210	Sia	245	Wat	280
Mia	176	Por	211	Sil	246	Wea	281
Mill	177	Pra	212	Sk	247	Weg	282
Miller	178	Pro	213	Smith	248	Wei	283
Min	179	Raa	214	Smo	249	Wel	284
Moa	180	Ran	215	So	250	Wes	285
Mon	181	Rea	216	Sp	251	Wha	286
Mor	182	Rei	217	Staa	252	Whi	287
Mua	183	Ren	218	Star	253	Wia	288
Mul	184	Ria	219	Stea	254	Wila	289
Mur	185	Rie	220	Ster	255	Will	290
Mus	186	Roa	221	Sto	256	Wilm	291
Naa	187	Rog	222	Str	257	Win	292
Nat	188	Ros	223	Su	258	Wir	293
Nea	189	Rua	224	Sw	259	Woa	294
Nel	190	Rus	225	Ta	260	Woll	295
Nem	191	Saa	226	Te	261	Woo	296
Ni	192	Saint	227	Tha	262	Wr	297
Noa	193	Sam	228	Thoa	263	X-Y	298
Nor	194	Sar	229	Thomp	264	Z	299
Nu	195	Scha	230	Ti	265		

"CC" Space

"CC" Space on the card: Completed reference for a particular country's summary report

The hole in the corner of the Keysort card (see Figs. 1a and 1e) is punched when the reference and data have been included in a summary report for a particular country or geographical area listed in the geographic code. Thus, reference cards which are added to the file after the preparation of a summary report can be distinguished from those which have already been used in the summary report.

PART II

THE GEOGRAPHIC INDEX

(See Figure 1b and Map, Figure 3)

This part of the report is the index to the code numbers used for recording the country, subcountry and faunal area (Sections "A", "B", and "C" respectively of the card).

Sections "A" and "B" are considered together in the immediately following pages.

"A" and "B" Sections of the card: country and sub-country

On Section "A" is entered the code number for the major geographical division, or country. On Section "B" is entered the code number for the subdivision, or administrative units, of the major division.

"A" Section:

While the "country" list in this index was prepared chiefly from a zoogeographical viewpoint, the countries were arranged alphabetically. Since the main function of this list is to indicate geographical distribution of arthropods, it was not found feasible to arrange all areas in the list strictly according to their political affiliations. In some cases, therefore, smaller adjacent areas, especially islands, may be grouped with countries of a different political entity. However, we have tried to follow current political boundaries, and adjustments were made in this index to reflect recent changes, especially in Africa.

Code numbers are assigned to the countries. An asterisk (*) rather than a numeral, preceding an entry, indicates that it is a cross reference.

Former names. In addition to the current designation used by the United States government for countries, former names are also listed because these were used at the time of the publication of the literature reference. For some areas several historical names may be included.

Supplementary list of inclusive titles. On the next page is a supplementary list used for coding arthropod distribution data on the cards. The list of "inclusive titles" is a special code (336-400) for use with Section "A", when information in the literature is not specific in indicating the locality from which the presence of a species has been reported.

"B" Section:

In most instances it has been possible to index the subdivisions of the countries. With a few exceptions, they are listed alphabetically. However, some later additions were necessary and these may not be in their proper alphabetical position. Former names for subdivisions may also appear, if these were used in the literature.

Supplementary list of arbitrary geographic subdivisions. On the second page after this is a supplementary list used for coding arthropod distribution on the cards. The list of "arbitrary geographic subdivisions" is a special code (80-99) for use with Section "B", when the information in the literature is not specific in indicating the locality.

Recommended atlases: To locate small areas, such as subdivisions of countries, the World Atlas by J. Paul Goode, published by Rand McNally and Company (1960) or The Times Atlas of the World, published at The Times office, London, and by Houghton Mifflin Company, Boston, in 5 volumes (1957), are very useful.

"A" Section: Special Numbers Assigned to Inclusive Titles*

(336-400)

336 Europe	346 West Indies
337 East Indies	347 The Guianas
338 East Pacific Islands	348 Pyrenees
339 Japan Islands South	349 Portuguese India
340 Middle East	350 Asia Minor
341 Balkans (Albania, Bulgaria, Cyprus, Greece, Rumania, and Yugoslavia)	351 North America
	352 South America
342 Palestine (former)	400 Reference covers widely- scattered areas which cannot be included under any heading above, but does not give complete distribution of arthropod group
343 Mediterranean Region	
344 Rhodesia	
345 Transcaucasia or Caucasus	

* For the subdivisions of any inclusive title, see the Geographic Index.

"A" and "B" Sections

"B" Section: Numbers assigned to arbitrary Geographic Subdivisions

(If the range of species is not coincident with political subdivisions, the following numbers (80-99) are used in "B" section to denote country's geographical division)

80 Northeast	90 Northern
81 Southeast	91 Eastern
82 Southwest	92 Southern
83	93
84 Northwest	94 Western
85	95 Covers most or all of country or area but not necessarily limited to it
86	96
87 Coastal	97 South Central
88 Interior	98 East Central
89 North Central	99 West Central

GEOGRAPHIC INDEX

NOTE: Former designations for countries are used throughout this index in addition to the names used at present because the entomological literature contains these designations. Several historical and geographical terms may be included for a particular area.

<u>"A" Section: Name of country</u>	<u>"B" Section: Name of subdivision of country</u>
<u>A</u>	<u>B</u>
* ABYSSINIA or ETHIOPIA Indexed as Ethiopia, 102	
1 HOORN and SURROUNDING ISLANDS Listed alphabetically under Hoorn	
* ADELIE COAST or TERRE ADELIE Indexed as Terre Adelle, 305	
2 ADEN COLONY and PROTECTORATE	1 Aden Colony 2 East Aden Protectorate and Hadremaut 3 West Aden Protectorate
* ADMIRALTY ISLANDS Indexed with Bismarck Archipelago, 50	
3 AFGHANISTAN	1 Badakhshan 2 Farah 3 Herat 4 Kabul 5 Kandahar 6 Kataghan 7 Maimana 8 Mazar 9 <u>Southern Province</u> or <u>Simat-i-Junubi</u> 10 <u>Eastern Province</u> or <u>Simat-i-Mashriqi</u>

* Indicates a cross-reference.

A

B

4 AFRICA

Indexed as separate geographic divisions. Inclusive title, to be used only when the separate divisions are not cited.

* AGALEGA ISLANDS

Indexed with Malagasy Republic, 186

5 ALASKA

- 1 Northern
- 2 Central
- 3 Southern
- 4 Afognak Is.
- 5 Kodiak I.
- 6 Semidi Is.
- 7 Sitchinak Is.
- 8 Unamok I.

6 ALBANIA

- 1 Berat
- 2 Diber
- 3 Durres or Durazzo
- 4 Elbasan
- 5 Gjinokaster
- 6 Korce
- 7 Kosova
- 8 Shkoder
- 9 Tiranë
- 10 Vlone or Valona

7 ALEUTIAN ISLANDS

- 1 Adak I.
- 2 Agattu I.
- 3 Akun I.
- 4 Akutan I.
- 5 Amatignak I.
- 6 Amchitka I.
- 7 Anlia I.
- 8 Amukta I.
- 9 Andreanof Is.
- 10 Atka I.
- 11 Attu I.
- 12 Bogoslof I.
- 13 Buldir I.
- 14 Carlsle I.

A

B

Aleutian Islands

- 15 Chagulak I.
- 16 Chuginadak I.
- 17 Fox Is.
- 18 Careloi I.
- 19 Great Sitkin I.
- 20 Herbert I.
- 21 Igitkin I.
- 22 Kagalaska I.
- 23 Kagemil I.
- 24 Kanaga I.
- 25 Kasatochi I.
- 26 Kavalga I.
- 27 Kiska I.
- 28 Little Sitkin I.
- 29 Little Tanaga I.
- 30 Near Is.
- 31 Rat I.
- 32 Rat Is.
- 33 Samalga I.
- 34 Sanak I.
- 35 Sedanka I.
- 36 Seguan
- 37 Segula I.
- 38 Semichi Is.
- 39 Semisopochnoi I.
- 40 Shumagin Is.
- 41 Skagul I.
- 42 Tagalak I.
- 43 Tanaga I.
- 44 Tigalda I.
- 45 Ulak I.
- 46 Uliaga I.
- 47 Unak I.
- 48 Unak I.
- 49 Unalaska I.
- 50 Unalga I.
- 51 Unalga I. (2nd)
- 52 Unimak I.
- 53 Vsevidof I.
- 54 Yunaska I.
- 55 Chugul I.

8 ALGERIA

- 1 Ain Sefra
- 2 Algiers

A

B

Algeria

- 3 Constantine
- 4 Rhardaia
- 5 Oran
- 6 Saharan Oases
- 7 Touggourt

* AMINDIVI ISLANDS

Indexed with Laccadive Islands,
172

9 AMIRANTES ISLANDS AND ADJACENT ISLANDS

- 1 African Is.
- 2 Alphonse I.
- 3 Bijoutier I.
- 4 Boudeuse Cay
- 5 D'Arros I.
- 6 Desroches I.
- 7 Eagle I.
- 8 Etoile I.
- 9 Fouquet I.
- 10 Marie Louise I.
- 11 Noeufs I.
- 12 Poivre Is.
- 13 Poule I.
- 14 Ressource I.
- 15 Saint Francois I.
- 16 Saint Joseph I.
- 17 Sand Cay
- 18 Coëtivy
- 19 Platte

10 AMSTERDAM ISLAND
37 S Lat, 78 E Long

11 ANDAMAN ISLANDS

- 1 Anderson I.
- 2 Barren I.
- 3 Cingue Is.
- 4 Colebrooke I.
- 5 Cow and Calf I.
- 6 East I.
- 7 Flat I.
- 8 Great Coco I.
- 9 Havelock I.
- 10 Henry Lawrence I.

A

B

Andaman Islands

- 11 Interview I.
- 12 John Lawrnece I.
- 13 Kyd I.
- 14 Labyrinth Is.
- 15 Landfall I.
- 16 Little Andaman I.
- 17 Little Coco I.
- 18 Long I.
- 19 Middle Andaman I.
- 20 Narcondam I.
- 21 Neill I.
- 22 Nicholson I.
- 23 North Andaman I.
- 24 North Brother I.
- 25 North Button I.
- 26 North Passage I.
- 27 North Sentinel Is.
- 28 Outram I.
- 29 Passage I.
- 30 Peel I.
- 31 Petman I.
- 32 Porlob I.
- 33 Preparis I.
- 34 Richie Archipelago
- 35 Ross I.
- 36 Rutland I.
- 37 Sir Hugh Rose I.
- 38 Smith I.
- 39 Snark I.
- 40 Sound I.
- 41 South Andaman I.
- 42 South Brother I.
- 43 South Sentinel I.
- 44 Stewart I.
- 45 Table I.
- 46 Table Is.
- 47 Tarmugli I.
- 48 The Sisters Is.
- 49 Twins Is.
- 50 West I.
- 51 White Cliff Reef
- 52 Wilson I.

- 12 ANDORRA
43 N Lat, 2 E Long

A

- 13 ANGLO-EGYPTIAN SUDAN (formerly;
now Sudan)

B

- 1 Bahr el Ghazal
- 2 Blue Nile
- 4 Darfur
- 6 Equatoria
- 9 Kassala
- 10 Khartoum
- 11 Kordofan
- 13 Northern
- 14 Upper Nile or Bahr el Jebel

- 14 ANGOLA or PORTUGUESE WEST AFRICA

- 1 Benguela
- 2 Bie
- 3 Cabinda (incl. all of Luanda)
- 4 Congo
- 5 Huila
- 6 Malanje

- * ANNAM or CENTRE-VIETNAM
Indexed with Indochina, 144

- 15 ANNOBON ISLAND
1 S Lat, 5 E Long

- 16 ANTARCTIC CIRCLE (within the)
Indexed as separate geographic
divisions. Inclusive title, to
be used only when the separate
divisions are not cited. Arbitrary
geographic divisions include 1) Islands of the Scotia
Arc, 2) Norwegian claims in
Antarctic⁺ 3) Australian
claims in Antarctic⁺ 4) Ross
dependencies.

⁺The U.S. Government recognizes
no Antarctic claims.

- * ANTIGUA
Indexed with Antilles, Lesser, 24

- * ANTILLES or WEST INDIES
Indexed as West Indies, 346, inclusive or separate geographic
divisions.

<u>A</u>	<u>B</u>
17 ANTILLES, GREATER (BAHAMA ISLANDS)	1 Acklins I.
	2 Andros I.
	3 Bimini Is.
	4 Berry I.
	5 Billy I.
	6 Caicos Is.
	7 Castle I.
	8 Cat I.
	9 Cay Verde
	10 Cayo Santa Domingo
	11 Cochinis Rks.
	12 Conception I.
	13 Crooked I.
	14 East Caicos I.
	15 Eleuthera I.
	16 Fortune I.
	17 Grand Bahama I.
	18 Grand Cays
	19 Grand Turk I
	20 Great Abaco I.
	21 Great Caicos I.
	22 Great Exuma I.
	23 Great Inagua I.
	24 Great Ragged I.
	25 Jumento Cays
	26 Little Abaco
	27 Little Inagua I.
	28 Little San Salvador I.
	29 Lee Stocking I.
	30 Lobos Cay
	31 Long I
	32 Miraporvils I.
	33 Mouchoir Bank
	34 Mucaras Rock
	35 New Providence I.
	36 North Caicos I.
	37 Nurse Cay
	38 Providenciales I
	39 Raccoon Cay
	40 Rose I.
	41 Rum Cay
	42 San Salvador or Watling I.
	43 Scrub Cays
	44 Silver Bank
	45 South Head I.
	46 Turks Is.
	47 West Caicos I.

A

18 ANTILLES, GREATER (CUBA)

B

- 1 Camagüey
- 2 Havana
- 3 Matanzas
- 4 Oriente
- 5 Pinar del Rio
- 6 Santa Clara or Las Villas
- Surrounding Islands:
- 7 Anguila Is.
- 8 Arch. de los Canarreos
- 9 Arch. de los Colorados
- 10 Cay del Rosario
- 11 Cay Sal
- 12 Cay Sal Bank
- 13 Cayos de las Doce Leguas
- 14 Cayo Cocos
- 15 Cayo Frigoso
- 16 Cayo Largo
- 17 Cayo Romano
- 18 Cayo Sabinel
- 19 Cayo Santa Maria
- 20 Cog Rks.
- 21 Elbow C.
- 22 I. de Pinos
- 23 Jardines de la Reina
- 24 Jardines del Rey
- 25 Lobos Jay
- 26 Mucaras Cays
- 27 Muerios Cays
- 28 Sabana Arch.

19 ANTILLES, GREATER (DOMINICAN
REPUBLIC)

- 1 Azua
- 2 Bahoruco
- 3 Barahona
- 4 Beata I.
- 5 Benefactor
- 6 Duarte
- 7 Espaillat
- 8 Jose Trujillo Valdez or
 Trujillo Valdez
- 9 La Altagracia
- 10 La Vega
- 11 Libertador
- 12 Monte Cristi
- 13 San Pedro de Macoris

A

20 ANTILLES, GREATER (HAITI)

21 ANTILLES, GREATER (JAMAICA)

22 ANTILLES, GREATER (PUERTO RICO)

B

Antilles, Greater

- 14 Puerto Plata
- 15 Samana
- 16 San Rafael
- 17 Santiago
- 18 Santo Domingo
- 19 Saona I.
- 20 Seibo or el Seibo
- 21 Trujillo

- 1 Artibonite
- 2 Nord
- 3 Nord Ouest
- 4 Ouest
- 5 Sud

Surrounding Islands:

- 6 Cayemite I.
- 7 Gonave I.
- 8 Navassa I.
- 9 Tortuga I.

- 1 Cornwall
- 2 Middlesex
- 3 Surrey

Surrounding Islands:

- 4 Bajo Nueva I.
- 5 Caurtown Cays
- 6 Cayman Brac
- 7 Cayos de Alberquerque
- 8 Great Cayman I.
- 9 Little Cayman I.
- 10 Jamaica
- 11 Morant Cays
- 12 Old Providence
- 13 Pedro Cays
- 14 Portland Rk.
- 15 Quito Bueno Bank
- 16 Roncador Bank
- 17 Saint Andrews I.
- 18 Serrana Bank
- 19 Serranilla Bank
- 20 Swan I.

- 1 Aguadilla
- 2 Arecibo

A

B

Antilles, Greater (Puerto Rico)

- 3 Guayama
- 4 Humacao
- 5 Mayaguez
- 6 Ponce
- 7 San Juan

Surrounding Islands:

- 8 Mona I.
- 9 Vieques I. or de Vieques

23 ANTILLES, LESSER (VIRGIN ISLANDS)

- 1 U.S. Islands
- 2 British Islands
- 3 Beef I.
- 4 Brass I.
- 5 Buck I.
- 6 Capella Is.
- 7 Cockroach I.
- 8 Congo Cay
- 9 Cooper I.
- 10 Cruz I.
- 11 Culebra I.
- 12 Culebrita I.
- 13 Dog Rks.
- 14 Dutchman's Cap I.
- 15 Flanagan I.
- 16 Great Thatch I.
- 17 Guano I.
- 18 Hans Lollik Is.
- 19 Jost van Dyke Is.
- 20 Leduc I.
- 21 Luispena I.
- 22 N.E. Cayo
- 23 Peter I.
- 24 Ram Head I.
- 26 Saint James Is.
- 27 Saint John I.
- 28 Saint Thomas I.
- 29 Salt I.
- 30 Salt Cay
- 31 San Croix I.
- 32 Savana I.
- 33 Thatch Cay
- 34 Tobago Is.
- 35 Tortola I.
- 36 Water I.

A

24 ANTILLES, LESSER

B

- 1 Anguilla I.
- 2 Antigua I.
- 3 Barbados
- 4 Barbuda I.
- 5 Dominica I.
- 6 Granada I.
- 7 Guadeloupe I.
- Leeward Is., 19
- 8 Marie Galante I.
- 9 Martinique I.
- 10 Montserrat I.
- 11 Nevis I.
- Redonda, 22
- Saba I., 21
- 12 Saint Barthelemy I.
- 13 Saint Eustatius I.
- 14 Saint Kitts I.
- 15 Saint Lucia I.
- 16 Saint Martin I.
- 17 Saint Vincent I.
18. The Grenadines Is.
- 19 Leeward Is.
- 20 Windward Is.
- 21 Saba I.
- 22 Redonda

25 ARABIAN PENINSULA

Indexed as separate geographic divisions. Inclusive title, to be used only when the separate divisions are not cited.

26 ARCTIC CIRCLE (within the)

Inclusive title, to be used only when the separate divisions are not cited.

- 1 (0-60W) - Greenland about centre
- 2 (60-120W) - Canadian Arctic
- 3 (120-180W) - Beaufort Sea, Arctic Ocean & N. Alaska
- 4 (180W-120E) - Siberian Arctic
- 5 (120-60E) - Kara Sea
- 6 (60-0E) - Spitsbergen area

27 ARGENTINA

- 1 Buenos Aires
- 2 Catamarca

A

B

Argentina

- 3 Chaco
- 4 Chubut^x
- 5 Cordoba
- 6 Corrientes
- 7 Entre Rios
- 8 Federal Capitol
- 9 Formosa
- 10 Jujuy
- 11 La Pampa
- 12 La Rioja
- 13 Mendoza
- 14 Misiones
- 15 Neuquen ^x
- 16 Rio Negro^x
- 17 Salta
- 18 San Juan
- 19 San Luis
- 20 Santa Cruz^x
- 21 Santa Fe
- 22 Santiago del Estero
- 23 Tierra del Fuego^x
- 24 Tucuman
- 25 Comodoro Rivadavia^x
- 26 Patagonia

^x Places marked with this symbol
are a part of Patagonia (26)

- 28 ARMENIAN S.S.R.
- 29 ASCENSION ISLAND
8 S Lat, 14 W Long
- 30 ASHMORE REEF
12 S Lat, 123 E Long
- 31 ASIA
Indexed as separate geographic
divisions. Inclusive title,
to be used only when the sep-
arate divisions are not cited.
- 350 ASIA MINOR
Indexed as separate geographic
divisions. Inclusive title,
to be used only when the sep-
arate divisions are not cited.

A

B

- * AUSTRAL ISLANDS or TUBUAI ISLANDS
Indexed as Tubuai Islands, 315

32 AUSTRALIA

- 1 Australian Capital Territory or
Canberra
- 2 New South Wales
- 3 Northern Territory
- 4 Queensland
- 5 South Australia
- 6 Tasmania or Van Diemen's Land
- 7 Victoria
- 8 Western Australia
Surrounding Islands
- 9 Bathurst I.
- 10 Melville I.

- 33 AUSTRALIAN and NEW ZEALAND AREA
Indexed as separate geographic
divisions. Inclusive title, to
be used only when separate div-
isions are not cited. Compare:
Indonesia, Micronesia, Melanesia,
Polynesia and South Pacific.
General location: Australia to
Sunday Island, south to Chatham
Islands, and SW to Campbell and
Macquarie Island.

34 AUSTRIA

- 1 Burgenland
- 2 Carinthia or Kärnten
- 3 Niederösterreich or Lower
Austria
- 4 Salzburg
- 5 Steiermark or Styria
- 6 Tirol or Tyrol
- 7 Upper Austria or Ober-Österreich
- 8 Vienna or Wien
- 9 Vorarlberg

35 AZERBAIDZHAN S.S.R.

- 1 Nagorno Karabakh Autonomous
Region
- 2 Nakhichevanskaya ASSR

A

36 AZORES

* BAHAMA ISLANDS
Indexed as Antilles, Greater
(Bahama Islands), 17

37 BAHREIN and ASSOCIATED ISLANDS
26 N Lat, 51 E Long

* BAKER ISLAND
Indexed with Phoenix Islands,
243

38 BALEARIC ISLANDS
39 N Lat, 3 E Long

* BALI
Indexed with Indonesia (Java,
Flores and Timor), 146

341 BALKANS
Indexed as separate geographic
divisions. Inclusive title, to
be used only when the separate
divisions are not cited.

B

- 1 Ilha do Corvo
- 2 Ilha do Faial or Faial
- 3 Ilha das Flores
- 4 Ilheus Formigas
- 5 Ilha Graciosa or Graciosa
- 6 Ilha de Pico
- 7 Ilha de Santa Maria or Santa
Maria
- 8 São Miguel or Ilha de São Miguel
- 9 Ilha de São Jorge or São Jorge
- 10 Ilha Terceira or Terceira

- 1 Bahrein
- 2 Jazīrat al Muharraḡ
- 3 Jazīrat Sitrah
- 4 Nabī Salih

- 1 Cabrera
- 2 Formentera
- 3 Ibiza
- 4 Mallorca or Majorca
- 5 Menorca or Minorca

AB

- * BANGKA
Indexed with Indonesia
(Sumatra), 149
- * BARBADOS
Indexed with Antilles, Lesser,
24
- * BARBUDA ISLAND
Indexed with Antilles, Lesser,
24
- 39 BASUTOLAND
30 S Lat, 28 E Long
- * BATAN ISLANDS
Indexed with Philippines, 242
- 40
- 41 BEAR ISLAND
74 N Lat, 19 E Long
- 42 BECHUANALAND, BRITISH
28 S Lat, 23 E Long
- 43 BECHUANALAND PROTECTORATE
22 S Lat, 25 E Long
- 1 Bakgatla Reserve
2 Bakvena Reserve
3 Bamalete Reserve
4 Bamangwato Reserve
5 Bangwaketse Reserve
6 Barolong Reserve
7 Batawana Reserve
8 Batlokwa Reserve
- 44 BELGIAN CONGO (formerly; now
Republic of the Congo)
- (Elizabethville) Katanga, 7
5 Equateur (Coquilhatville)
6 Kasai (Lusambo)
7 Katanga (Elizabethville)
8 Kivu (Costermansville)
9 Leopoldville (Bas-Congo or
Lower Congo)

A

45 BELGIUM

46 BELY ISLAND or OSTROV BELY
or WHITE ISLAND
73 N Lat, 71 E Long

47 BERING SEA ISLANDS

B

Belgian Congo

- 11 Ruanda-Urundi Trust Territory⁺
+ Two independent countries were
formed from this area in July
1962: Rwanda and Burundi
12 (Stanleyville) Orientale
/Note: Names in parentheses
are old province names/

- 1 Antwerpen
2 Brabant
4 Hainaut
5 Liège
6 Limburg
7 Luxembourg
9 Namur
10 Oost Blaanderen
11 West Blaanderen

- 2 Amak I.
3 Ayon Is.
4 Bear Is.
5 Behring I. or Ostrov Beringa
6 Copper I.
7 Diomedes Is.
8 Hall I.
9 Karaginskiy I. or Ostrov
Karaginskiy
10 Kayne I.
11 King I.
13 Komandorskie Is.
14 Nelson I.
15 Nunivak Is.
16 Otter I.
17 Pribilof Is. or Pribylov Is.
18 Saint George I.
19 Saint Lawrence I.
20 Saint Matthew I.
21 Saint Paul I.
25 Sledge I.
26 Stuart I.
28 Walrus I.
29 Wrangell I. (in Arctic Ocean)

A

- 48 BERMUDA ISLANDS
- 49 BHUTAN
27 N Lat, 90 E Long
- * BILLITON ISLAND or BELITUNG
Indexed with Indonesia
(Sumatra), 149
- 50 BISMARCK ARCHIPELAGO or NEW
BRITAIN ARCHIPELAGO

B

- 1 Admiralty Is.
- 2 Bagabag
- 3 Dampier I. or Karkar
- 4 Duke of York Group
- 5 Emireu
- 6 Feni Is.
- 7 Fisher I.
- 8 Gardner I.
- 9 Garove
- 10 Green Is.
- 11 Hermit
- 12 Kaniet
- 13 Lambutin I. or Rarabutyo
- 14 Lihir Group
- 15 Long I.
- 16 Manam or Vulcan
- 17 Manua I.
- 18 Mussau I.
- 19 New Britain
- 20 New Hanover or Lavongai
- 21 New Ireland I.
- 22 Ninigo Group
- 23 Nuguria Group
- 24 Purdy Is.
- 25 Sae
- 26
- 27 Tabar Group
- 28 Tanga Is.
- 29 Tench
- 30 Tolokiwa
- 31 Umbo I.
- 32 Vitu Is.

- 51 BOLIVIA

- 1 Beni
- 2 Chuquisaca
- 3 Cochabamba

A

B

Bolivia

- 4 La Paz
- 5 Oruru
- 6 Pando
- 7 Potosi
- 8 Santa Cruz
- 9 Tarija

- * BONIN ISLANDS
Indexed with Ogasawara Gunto,
232
- * BORNEO, NORTH (BRITISH COLONY)
Indexed with Indonesia (Borneo
and Celebes), 145
- * BORNEO, INDONESIAN
Indexed with Indonesia (Borneo
and Celebes), 145

52 BOUVET ISLAND
54 S Lat, 4 E Long

53 BRAZIL

- 1 Acre
- 2 Alogos
- 3 Amapá
- 4 Amazonas
- 5 Bahia
- 6 Ceara
- 7 District Federal
- 8 Espírito Santo
- 9 Goias
- 10 Guapore
- 11 Maranhao
- 12 Mato Grosso
- 13 Minas Gerais
- 14 Pará
- 15 Paraíba
- 16 Paraná
- 17 Pernambuco
- 18 Piauí
- 19 Rio Branco
- 20 Rio Grande do Norte
- 21 Rio Grande do Sul
- 22 Rio de Janeiro

A

B

Brazil

- 23 Santa Catharina
- 24 São Paulo
- 25 Sergipe
- 26 Litigated Area

- * BRIONI ISLAND
Indexed with Yugoslavia, 333

- 54 BRITISH EAST AFRICA
Indexed as separate geographic divisions. Inclusive title, to be used only when the separate divisions are not cited. Geographic divisions, as used in the literature, included: Kenya, Nyasaland Protectorate, Tanganyika, Uganda, Zanzibar.

- * BRITISH HONDURAS
Indexed as Honduras, British, 138

- * BRITISH ISLES or GREAT BRITAIN
Indexed as Great Britain, 124, inclusive title.

- * BRITISH SOMILAND (now part of Somali Republic, 284)
(See also entry 286, Somiland)

- 55 BRITISH SOUTH AFRICA
Indexed as separate geographic divisions. Inclusive title, to be used only when the separate divisions are not cited. Geographic divisions, as used in the literature, include: Basutoland, Bechuanaland Protectorate, Northern Rhodesia, Southern Rhodesia, Swaziland.

- 56 BRITISH SOUTH-WEST AFRICA or SUIDWEST AFRIKA (South-West Africa)

- 1 Damaraland
- 2 Namaland
- 3 Ovamboland
- 4 Walvis Bay

A

B

57 BRITISH WEST AFRICA

Indexed as separate geographic divisions. Inclusive title, to be used only when the separate divisions are not cited. Geographic divisions, as used in the literature include: Gambia, Gold Coast (now Ghana), Nigeria and Sierra Leone.

- * BRITISH WEST INDIES or WEST INDIES
Indexed as West Indies inclusive or separate geographic divisions.

- * BRUNEI
Indexed with Indonesia (Borneo and Celebes), 145

58 BULGARIA

- 1 Burgas
- 2 Gorna Dzhumaya
- 3 Pleven
- 4 Plovdiv
- 5 Ruse
- 6 Sofia
- 7 Stara Zagora
- 8 Varna (Stalin)
- 9 Uratza

59 BURMA

- 1 Arakan
- 2 Irrawaddy
- 3 Karenni State
- 4 Magwe
- 5 Mandalay
- 6 Pegu
- 7 Sagaing
- 8 Shan State
- 9 Tenasserim

60 BYELORUSSIAN SSR or BELORUSSKAYA
SSR or WHITE RUSSIAN SSR

- 1 Baranovich
- 2 Bobruysk
- 3 Brest
- 4 Gomel
- 5 Grodno
- 6 Mogilev
- 7 Molodechno
- 8 Minsk
- 9 Pinsk

A

* CAMBODIA
Indexed with Indochina, 144

* CAMEROONS (British Trust)
Indexed with Nigeria and
Cameroons (Br. Trust), 226

61 CAMEROUN (formerly French
Cameroun)

62 CANADA

* CANAL ZONE
Indexed as Panama Canal Zone, 238

63 CANARY ISLANDS
29 N Lat, 16 W Long

64 CAPE OF GOOD HOPE
32 S Lat, 25 E Long

65 CAPE VERDE ISLANDS or VERDE ISLANDS
15 N Lat, 25 W Long

B

Byelorussian SSR

10 Polessye
11 Polotsk
12 Vitebsk

1 Alberta
2 British Columbia
3 Manitoba
4 New Brunswick
5 Newfoundland
6 Northwest Territories
7 Nova Scotia
8 Ontario
9 Prince Edward Island
10 Quebec
11 Saskatchewan
12 Yukon
13 Labrador (Part of Newfoundland)

1 Fuerteventura
2 Gran Canaria
3 Gomera
4 Hierro or Ferro
5 Lanzarote
6 La Palma
7 Tenerife

1 Boa Vista
2 Brava
3 Fogo

A

B

Cape Verde Islands

- 4 Maio
- 5 Sal
- 6 Santa Luzia
- 7 Santo Antão
- 8 São Nicolau
- 9 São Tiago
- 10 São Vicente

- * CAROLINE ISLAND
Indexed with Manihiki Island
Group, 195

66 CAROLINE ISLANDS

- 1 Ant Atoll
- 2 East Fayo
- 3 Eauripik Atoll
- 4 Elato Atoll
- 5 Etal Atoll
- 6 Fais
- 7 Faraulep Atoll
- 8 Gaferut I.
- 9 Gamen Reef
- 10 Hall Is.
- 11 Ianthe Shoal
- 12 Ifafik Atoll
- 13 Inkunat Atoll
- 14 Kusaie
- 15 Lamotrek Atoll
- 16 Losap Atoll
- 17 Makin Atoll
- 18 Map
- 19 Minto Reef
- 20 Murilo Atoll
- 21 Namoluk Atoll
- 22 Ngulu Atoll
- 23 Nile Shoal
- 24 Nomwin Atoll
- 25 Nomoi Is.
- 26 Olimarao Atoll
- 27 Oroluk Atoll
- 28 Pakin Atoll
- Pigailoe Atoll, 39
- 29 Pikelot I.
- 30 Pingelap Atoll
- 31 Ponope

A

B

Caroline Islands

- 32 Sorol Atoll
- 33 Satawal
- 34 Satawan Atoll
- 35 Truk Is.
- 36 Ulithi Atoll
- 37 Ujelang Atoll
- 38 Ulloa Reef
- 39 Pigailoe Atoll
- 40 Woleai Atoll
- 41 Yap

67 CARTIER ISLAND
12 S Lat, 123 E Long

* CAUCASUS or TRANSCAUCASIA, 345
Inclusive title. [These geographic terms are not synonymous, as Caucasus refers to a somewhat larger area than does Transcaucasia].

* CAYMAN ISLANDS
Indexed with Antilles, Greater (Jamaica), 21

* CELEBES (Republic of Indonesia)
Indexed as Indonesia (Borneo and Celebes), 145. Political unit whose associated parts have been indexed separately as geographic divisions.

* CENTRAL AFRICAN REPUBLIC (formerly Ubangi-Shari), 319

68 CENTRAL AMERICA (Coastal Islands in Caribbean)

- 1 Alargate Reef
- 2 Ambergris Cay
- 3 Caratasca Cay
- 4 Cay Bokel
- 5 Cay Corker
- 6 Cay Falso
- 7 Cay Gorda
- 8 Cay Gracias a Dios
- 9 Clovers Reef
- 10 Gorda Bank

A

B

Central America (Coastal Islands)

- 11 Great Corn
- 12 Half Moon Cay
- 13 Half Moon Reef
- 14 Island Bonacca or Guanaja
- 15 Islas de la Bahia
- 16 King Cays
- 17 Little Corn
- 18 Mauger Cay
- 19 Miskito Cays
- 20 Pearl Cays
- 21 Pigeon Cays
- 22 Roatan
- 23 Saint Georges Cay
- 24 Turneffe Island
- 25 Tyra Cays
- 26 Utila
- 27 Vivario Cay

69 CENTRAL AMERICA

Indexed as separate geographic divisions. Inclusive title, to be used only when the separate divisions are not cited. Geographic divisions include: British Honduras, Canal Zone, Costa Rica, El Salvador, Guatemala, Honduras, Nicaragua, Panama.

70 CEYLON

- 1 Central
- 2 Eastern
- 3 North-Central
- 4 North Western
- 5 Northern
- 6 Sabaragamuwa
- 7 Southern
- 8 Uva
- 9 Western

71 CHAD or TCHAD
15 N Lat, 20 E Long

72 CHAGOS ARCHIPELAGO
7 S Lat, 72 E Long

- 1 Banhos I.
- 2 Bleinheim Reef

A

B

Chagos Archipelago

- 3 Boddam I.
- 4 Carrepate
- 5 Chicken I.
- 6 Chicken Is.
- 7 Corner Is.
- 8 Danger I.
- 9 Diamond I.
- 10 Diego Garcia
- 11 Eagle Is.
- 12 East I.
- 13 Egmont or Six Is.
- 14 English I.
- 15 Fouquet I.
- 16 Fouquet Is.
- 17 Grande Coquillage
- 18 Great Sister I.
- 19 Lupine
- 20 Mapou I.
- 21 Middle I.
- 22 Moresby I.
- 23 Nelsons I.
- 24 Passe I.
- 25 Passe I. (2nd)
- 26 Peros I.
- 27 Pierre I.
- 28 Rats
- 29 Salomon Is.
- 30 Sipaille
- 31 Southeast
- 32 Takamaka I.
- 33 Tattamucca
- 34 Three Brothers Is.
- 35 West I.
- 36 Yeye Is.

73 CHANNEL ISLANDS
47 N Lat, 2 W Long

- 1 Alderney
- 2 Brechou
- 3 Great Sark
- 4 Guernsey
- 5 Herm
- 6 Jersey
- 7 Jethou
- 8 Little Sark
- 9 Libou

A

74 CHATHAM ISLANDS
44 S Lat, 176 W Long

75 CHILE

76 CHINA

B

1 Chatham
2 Pitt

1 Aconcagua
2 Antofagasta
3 Arauco
4 Atacama
5 Aisón
6 Bío-Bío
7 Cautín
8 Chiloe
9 Colchagua
10 Concepción
11 Coquimbo
12 Curicó
13 Linares
14 Llanquihue
15 Magallanes
16 Malleco
17 Maule
18 Nuble
19 O'Higgins
20 Osorno
21 Santiago
22 Talca
23 Tarapacá
24 Valdivia
25 Valparaíso
Surrounding Islands:
26 Isla de Chiloe
27 Chonos Archipelago

(former subdivisions)

1 Anhwei
2 Chekiang
3 Ch'ing-Hai or Tsinghai
4 Fukien
5 Honan
6 Ho-Pei or Hopeh
7 Hunan
8 Hupeh
9 Jehol
10 Kansu

A

B

China

- 11 Kiangsi
- 12 Kiangsu (includes Shanghai)
- 13 Kwangsi
- 14 Kwangtung
- 15 Kweichow
- 16 Shansi
- 17 Shantung
- 18 Shensi
- 19 Sikang
- 20 Sinkiang
- 21 Szechwan
- 22 Tibet
- 23 Yunnan

- 77 TAIWAN (Formosa). (Includes Pescadores and other adjacent islands under administration of Republic of China)
- * CHONOS ARCHIPELAGO
Indexed with Chile, 75
- 78 CHRISTMAS ISLAND
10 S Lat, 106 E Long
- 79 CLIPPERTON ISLAND
10 N Lat, 109 W Long
- * COCHIN-CHINA (formerly Sud-Vietnam or Southern Viet-Nam)
Indexed with Indochina, 144
- 80 COCOS ISLAND or ISLA DEL COCO
6 N Lat, 87 W Long
- 81 COCOS ISLANDS or COCOS-KEELING ISLANDS
12 S Lat, 97 E Long

- 1 Direction I.
- 2 Home I.
- 3 North Keeling I.
- 4 South Keeling I.
- 5 West I.

A

82 COLOMBIA
5 N Lat, 75 W Long

B

- 1 Amazonas
- 2 Antioquia
- 3 Arzuca
- 4 Atlantico
- 5 Bolívar (part is now Cordoba)
- 6 Boyacá (Eastern part is now Casanare)
- 7 Caldas
- 8 Caquetá
- 9 Cauca
- 10 Choco
- 11 Cundinamarca
- 12 Guagira
- 13 Huila
- 14 Magdalena
- 15 Meta
- 16 Nariño
- 17 Norte de Santander
- 18 Putumayo
- 19 Santander
- 20 Tolima
- 21 Valle del Cauca
- 22 Vaupés
- 23 Vichada

- * COLON ARCHIPELAGO or GALAPAGOS ISLANDS
Indexed as Galapagos Islands, 116
- * COMORO ISLANDS or COMORO ARCHIPELAGO
Indexed with Malagasy Republic, 186 (#18)
- * CONGO, REPUBLIC OF (BRAZZAVILLE)
Indexed as Middle Congo (formerly), 206
- * CONGO, REPUBLIC OF THE (Leopoldville), 44

83 COOK ISLANDS
20 S Lat, 160 W Long

- 1 Aitutaki
- 2 Atiu

A

84 CORSICA

85 COSTA RICA

* CRETE
Indexed with Greece, 125

86 CROZET ISLANDS or ILES CROZET
46 S Lat, 52 E Long

* CUBA
Indexed as Antilles, Greater
(Cuba), 18

* CURAÇAO
Indexed with Venezuela Coastal
Islands, 329

87 CYPRUS

88 CZECHOSLOVAKIA

B

Cook Islands

- 3 Auotu
- 4 Hervey Is.
- 5 Manuai
- 6 Mauke
- 7 Mitiero
- 8 Miue
- 9 Palmerston Is.
- 10 Rarotonga
- 11 Takutea

- 1 Alajuela
- 2 Cartago
- 3 Guanacaste
- 4 Heredia
- 5 Limón
- 6 Puntarenas
- 7 San José

- 1 Ile Aride
- 2 Ile de la Prise de Possession
- 3 Ile des Pingouins
- 4 Ile des Pores
- 5 Iles des Apotres

- 1 Banska Bystrica
- 2 Bratislava

A

B

Czechoslovakia

- 3 Brno
- 4 Ceske Budejovice
- 5 Gottwaldov
- 6 Hradec Kralove
- 7 Jihlava
- 8 Karlovy Vary
- 9 Kosice
- 10 Liberec
- 11 Nitra
- 12 Olomouc
- 13 Ostrava
- 14 Pardubice
- 15 Plzeň
- 16 Prague
- 17 Presov
- 18 Usti Nad Labem
- 19 Zilina

89 DAHOMEY
10 N Lat, 2 E Long

90 DAMAO or DAMAN
20 N Lat, 73 E Long

* DANGER ISLAND or PUKAPUKA ISLAND
Indexed with Manihiki Islands,
195

* DELONG ISLANDS or OSTROVA DE-LONGA
Indexed with New Siberian Islands,
221

91 HISPANIOLA
Listed alphabetically under
Hispaniola

92 DENMARK

- 1 Aery
- 2 Als
- 3 Bornholm
- 4 Djursland
- 5 Falster
- 6 Fyn
- 7 Himmerland
- 8 Jylland

A

B

Denmark

- 9 Langeland
- 10 Lolland
- 11 Møls
- 12 Møn
- 13 Sjaelland
- 14 Laesø and Anholt
- 15 Sønderjylland
- 16 Thy or Thyland
- 17 Vendsyssel

- 93 D'ENTRECASTEAUX ISLANDS
9 S Lat, 151 E Long

- 1 Basilaki I.
- 2 Fergusson I.
- 3 Goodenough I.
- 4 Kiriwina Is.
- 5 Laughlin Is.
- 6 Murua or Woodlark I. or
Woodland? I.
- 7 Normanby Is.
- 8 Trobriand Is.

- * DIEGO-SUAREZ
Indexed with Malagasy Republic,
186

- 94 DIU
21 N Lat, 71 E Long

- 1 Diu
- 2 Gogola
- 3 Sunbar

- * DOMINICA
Indexed with Antilles, Lesser,
24

- * DOMINICAN REPUBLIC
Indexed as Antilles, Greater
(Dominican Republic), 19

- * DUCIE ISLAND
Indexed with Tuamotu Archipelago,
314

- 337 EAST INDIES
Indexed as separate geographic
divisions. Inclusive title, to

A

B

be used only when the separate divisions are not cited. Geographic divisions, as used in the literature, included: Taiwan and south, then Indonesia east to Melanesia.

338 EAST PACIFIC ISLANDS

Indexed as separate geographic divisions. Inclusive title, to be used only when the separate divisions are not cited. Geographic divisions, as used in the literature, included: Equatorial-Galápagos and Clipperton; South Temperate - Easter to San Ambrosio, Juan Fernández; North Temperate - Guadalupe

95 EASTER ISLAND

26 S Lat, 109 W Long

99 ECUADOR or EQUADOR

- 1 Azuay
- 2 Bolívar
- 3 Canar
- 4 Carchio
- 5 Chimborazo
- 6 Cotopaxi
- 7 El Oro
- 8 Esmeraldas
- 9 Guayas
- 10 Imbabura
- 11 Loja
- 12 Los Rios
- 13 Manibi
- 14 Napo-Pastaza
- 15 Pichincha
- 16 Santiago-Zamora
- 17 Tungurahua

96 EGYPT (now Egyptian Region of United Arab Republic)

- 1 Alexandria
- 2 Bahariya Oasis
- 3 Cairo
- 4 Canal or Suez Canal
- 5 Damietta

A

B

Egypt

- 6 Red Sea Coast
- 7 Sinai
- 8 Southern Desert
- 9 Suez
- 10 Western Desert
- 11 Lower Egypt
- 12 Beheira
- 13 Daqahliya
- 14 Gharbiya
- 15 Minûfiya
- 16 Qalyubiya
- 17 Sharqiya
- 18 Upper Egypt
- 19 Aswan
- 20 Asyut
- 21 Beni Suweif
- 22 El Faiyum
- 23 Girga
- 24 El Giza
- 25 El Minya
- 26 Qina

- 97 ELLICE ISLANDS
S S Lat, 179 E Long

- 1 Funafuti Atoll
- 2 Grand Cocal Shoal
- 3 Kosciusko Bank
- 4 Martha Bank
- 5 Nanomea Atoll
- 6 Nanumanga
- 7 Niutao
- 8 Nukufetau Atoll
- 9 Nukulaelae Atoll
- 10 Nui Atoll
- 11 Nurakita (Niulakita)
- 12 Vaitupu

- * EL SALVADOR
Indexed as Salvador, Republic
of El, 262

- 98 ENGLAND

- 1 Bedfordshire
- 2 Berkshire
- 3 Buckinghamshire
- 4 Cambridgeshire

A

B

England

- 5 Cheshire
- 6 Cornwall
- 7 Cumberland
- 8 Derbyshire
- 9 Devonshire
- 10 Dorsetshire
- 11 Durham
- 12 Essex
- 13 Gloucestershire
- 14 Hampshire
- 15 Herefordshire
- 16 Hertfordshire
- 17 Huntingdonshire
- 18 Isle of Ely (part of
Cambridgeshire)
- 19 Isle of Wight
- 20 Kent
- 21 Lancashire
- 22 Leicestershire
- 23 Lincolnshire
- The Parts of Folland
- The Parts of Kesteven
- The Parts of Lindsey
- 24 London
- 25 Middlesex
- 26 Monmouthshire
- 27 Norfolk
- 28 Northamptonshire
- Soke of Peterborough
- 29 Northumberland
- 30 Nottinghamshire
- 31 Oxfordshire
- 32 Rutlandshire
- 33 Shropshire
- 34 Somersetshire
- 35 Staffordshire
- 36 Suffolk, East
- 37 Suffolk, West
- 38 Surrey
- 39 Sussex, East
- 40 Sussex, West
- 41 Warwickshire
- 42 Westmorland
- 43 Wiltshire
- 44 Worcestershire
- 45 Yorkshire, East Riding

A

E

England

- 46 Yorkshire, North Riding
- 47 Yorkshire, West Riding
- 48 Yorkshire, Inclusive

- * EQUADOR
Indexed as Ecuador, 99

- 100 ERITREA (Federated with Ethiopia
in 1952)

- 1 Acchelé-Zuac
- 2 Hamasen
- 3 Massaua
- 4 Sheraé
- 5 Western Province

- 101 ESTONIA

- 102 ETHIOPIA or ABYSSINIA (Eritrea
federated with, in 1952)
See also Eritrea, 100

- 1 Arusi
- 2 Bagènder
- 3 Gamo-Gofa
- 4 Gojam
- 5 Harargé
- 6 Ilubabor
- 7 Jima
- 8 Shawa
- 9 Sidama
- 10 Tegre
- 11 Walagā
- 12 Wallo

- 336 EUROPE
Indexed as separate geographic
divisions. Inclusive title, to
be used only when the separate
geographic divisions are not
cited.

- 103 FAEROES, the, or FAROE ISLANDS or
FAERØERNE
62 N Lat, 7 W Long

- 1 Bordhoy
- 2 Eysturoy
- 3 Mykines
- 4 Sandoy

A

104 FALKLAND ISLANDS
51 S Lat, 60 W Long

105 FERNANDO de NORONHA
4 S Lat, 33 W Long

106 FERNANDO PO ISLAND
4 N Lat, 9 E Long

107 FIJI ISLANDS
18 S Lat, 178 E Long

B

Faeroes

- 5 Skuvoy
- 6 Streymoy
- 7 Sudhuroy
- 8 Svinoy
- 9 Vagar
- 10 Vidhoy

- 1 Jason Is.
- 2 East Falkland I.
- 3 Weddell Is.
- 4 West Falkland I.

- 1 Fulanga
- 2 Kambara
- 3 Kandavu
- 4 Koro
- 5 Lakemba Is.
- 6 Matuku
- 7 Mbatiki
- 8 Mbenga
- 9 Moala
- 10 Nairai
- 11 Ngamea
- 12 Ngau
- 13 North Minerva
- 14 Ongea Levu
- 15 Ono-i-Lau
- 16 Ovalau
- 17 Rambe
- 18 South Minerva
- 19 Tavana-i-Ra
- 20 Tavana-i-Tholo
- 21 Taveuni
- 22 Thithia
- 23 Totoya
- 24 Vanua

A

108 FINLAND

- * FLINT ISLAND
Indexed with Manihiki, 195
- * FLORES
Indexed with Indonesia (Java,
Flores, Timor), 146
- * FORMOSA or TAIWAN, 77

109 FRANCE

B

Fiji Islands

- 25 Vanua Levu
- 26 Vatoa
- 27 Vatulele
- 28 Viti Levu
- 29 Yandua
- 30 Yasawa Group

- 1 Ahvenanmaa or Aaland
- 2 Häme or Tavastehus
- 3 Kuopio
- 4 Kymi or Kymmene
- 5 Lappi or Lapland
- 6 Mikkeli or St. Michel
- 7 Oulu or Uleaborg
- 8 Turku Ja Pori or Aabo-Björneborg
- 9 Uusimaa or Nyland
- 10 Vaasa or Vasa

- 1 Ain
- 2 Aisne
- 3 Allier
- 4 Alpes (Basses)
- 5 Alpes (Hautes)
- 6 Alpes-Maritimes
- 7 Ardèche
- 8 Ardennes
- 9 Ariège
- 10 Aube
- 11 Aude
- 12 Aveyron
- 13 Belfort
- 14 Bouches-du-Rhône
- 15 Calvados
- 16 Cantal
- 17 Charente

A

B

France

- 18 Charente-Maritime or Charente-Inferieure
- 19 Cher
- 20 Corrèze
- 21
- 22 Côte-d'Or
- 23 Côtes-du-Nord
- 24 Creuse
- 25 Dordogne
- 26 Doubs
- 27 Drôme
- 28 Eure
- 29 Eure-et-Loir
- 30 Finistère
- 31 Gard
- 32 Garonne (Haute)
- 33 Garonne (Lot et)
- 34 Garonne (Tarn et)
- 35 Gers
- 36 Gironde
- 37 Hérault
- 38 Ille-et-Vilaine
- 39 Indre
- 40 Indre-et-Loire
- 41 Isère
- 42 Jura
- 43 Landes
- 44 Loir-et-Cher
- 45 Loire
- 46 Loire (Haute)
- 47 Loire-Inferieure
- 48 Loiret
- 49 Lot
- 50 Lozère
- 51 Maine-et-Loire
- 52 Manche
- 53 Marne
- 54 Marne (Haute)
- 55 Mayenne
- 56 Meurthe-et-Moselle
- 57 Meuse
- 58 Morbihan
- 59 Moselle
- 60 Nièvre
- 61 Nord

A

B

France

- 62 Oise
- 63 Orne
- 64 Pas-de-Calais
- 65 Puy de Dome
- 66 Pyrenées (Basses)
- 67 Pyrenées (Hautes)
- 68 Pyrenées-Orientales
- 69 Rhin (Bas)
- 70 Rhin (Haut)
- 71 Rhône
- 72 Saône (Haute)
- 73 Saône-et-Loire
- 74 Sarthe
- 75 Savoie
- 76 Savoie (Haute)
- 77 Seine
- 78 Seine-Inferieure
- 79 Seine-et-Marne
- 80 Seine-et-Oise
- 81 Sevre (Deux)
- 82 Somme
- 83 Tarn
- 84 Var
- 85 Vaucluse
- 86 Vendée
- 87 Vienne
- 88 Vienne (Haute)
- 89 Vosges
- 90 Yonne

110 FRANZ JOSEF LAND
81 N Lat, 55 E Long

- 1 Crown Prince Rudolf Land or
Ostrov Rudol'fa
- 2 Hall Island or Ostrov Gatallya
- 3 Hooker Island or Ostrov Gukera
- 4 McClintock Island or Ostrov
Mak-Klintoka
- 5 Ostrov Green-Bell or Graham
Bell
- 6 Ostrov Vil'Cheka
- 7 Ostrov Viktoriya
- 8 Zemlya Aleksandry
- 9 Zemlya Georga
- 10 Zichy Land

A

B

111 FRENCH EQUATORIAL AFRICA (formerly)
Indexed as separate geographic divisions. Inclusive title, to be used only when the separate divisions are not cited. Former divisions were: Chad, Gabon, Middle Congo, Ubangi-Shari; now named Chad, Gabon, Congo, and Central African Republic, respectively.

* FRENCH INDOCHINA (formerly)
Indexed as Indochina, 144

* FRENCH SETTLEMENTS IN INDIA (formerly)
(Cities, indexed with India subdivisions into which they have been incorporated) These are:

Ariancoupon	Nettapacom
Bahour	Nevany
Chandernagor	Oulgareth
Cotchery	Pondichery
Grand d'Aldee	Tirbouvane
Karikal	Tirnoular
Mahe	Villennour
Mondeliarpeth	Yanaon
Nedoukadou	

112 FRENCH SUDAN (now Republic of Mali)

113 FRENCH WEST AFRICA (formerly)

Indexed as separate geographic divisions. Inclusive title, to be used only when the separate divisions are not cited. Former divisions, used in the literature, include: Dahomey, French Guinea, French Sudan, Ivory Coast, Mauritania, Niger, Senegal, Togo, Upper Volta, now named, respectively Dahomey, Guinea, Mali, Ivory Coast, Mauritania, Niger, Senegal, Togo and Upper Volta.

A

B

- * FRIDTJOF NANSEN LAND or FRANZ
JOSEF LAND
Indexed as Franz Josef Land, 110

- 114 FRIENDLY ISLANDS or TONGA
20 S Lat, 173 W Long

- 1 Ata
- 2 Eua
- 3 Ha'apai
- 4 Kovu
- 5 Late
- 6 Lifuka
- 7 Niuatobutabu
- 8 Niurao
- 9 Nomuka
- 10 Otu Tolu
- 11 Tofua
- 12 Tofahi
- 13 Tongatabu
- 14 Vavau

- * FUTUNA and ALOFI ISLANDS
Indexed with Hoorn Islands and
surrounding islands, 1

- 115 GABON
2 W Lat, 12 E Long

- 116 GALÁPAGOS ISLANDS or ARCHIPELAGO
of COLON or GALÁPAGOS ARCHIPELAGO
0 Lat, 91 W Long

- 1 Espanola I. or Hood I.
- 2 Santa Cruz I. or Indefatigable I.
- 3 Isabela I. or Albemarle I.
- 4 Pinta I. or Abingdon I.
- 5 San Cristóbal I or Chatham I.
- 6 San Salvador I. or James I.
- 7 Santa Fé I. or Barrington I.
- 8 Santa María I. or Charles I. or
Floreana I.
- 9 Fernandina I. or Narborough I.
- 10 Miscellaneous smaller islands

- 117 GAMBIA
12 N Lat, 15 W Long

- * GAMBIER ISLANDS or ILES GAMBIER
Indexed with Tuamotu Archipelago,
314

A

118 GEORGIAN S.S.R.

119 GERMANY

* GHANA

Indexed as Gold Coast, 123

120 GIBRALTAR (Colony)

121 GILBERT ISLANDS

0 Lat, 175 E Long

B

- 1 Abkhazian Autonomous S.S.R.
- 2 Adzharian Autonomous S.S.R.
- 3 South Ossetian Autonomous
Region

- 1 British Zone /"BZ" below/
- 2 French Zone /"FZ" below/
- 3 Soviet Zone /"SZ" below/
- 4 American Zone /"AZ" below/
- 5 Berlin
- SZ Baden
- AZ Bavaria
- SZ Brandenburg
- AZ Bremen
- AZ Franconia
- BZ Hamburg
- BZ Hannover
- AZ Hessen
- FZ Hohenzollern
- BZ Lower Saxony
- SZ Mecklenburg
- BZ North Rhine - Westphalia
- BZ Oldenburg
- FZ Rhineland-Palatinate
- SZ Saxony
- SZ Saxony-Anhalt
- BZ Schleswig-Holstein
- SZ Thuringia
- AZ Württemberg-Baden
- FZ Württemberg-Hohenzollern

- 1 Abaiang Atoll
- 2 Abamama Atoll
- 3 Aranuka Atoll
- 4 Arorae
- 5 Bery Atoll
- 6 Betio I.
- 7 Bikati Is.

A

122 GOA
15 N Lat, 74 E Long

123 GOLD COAST, (formerly; now Ghana)

124 GREAT BRITAIN or BRITISH ISLES
Indexed as separate geographic
divisions. Inclusive title, to
be used only when the separate
divisions are not cited.

125 GREECE

B

Gilbert Islands

- 8 Kings Mill Group
- 9 Kuria or Woodle I.
- 10 Maiana Atoll
- 11 Makin Atoll
- 12 Makin Meang
- 13 Marakei Atoll
- 14 Nikunau or Nukunau
- 15 Nonouti Atoll
- 16 Onotoa Atoll
- 17 Tabiteuea Atoll
- 18 Tamana
- 19 Tarawa Atoll
- 20 Gilbert and Ellice Island
Colony (Inclusive)
Woodle I., 9

- 1 Angediva I.
- 2 Goa Mainland
- 3 Jorge I. or Saint George I.
- 4 Marcegas I.

Former Subdivisions:

- 1 Ashanti
- 2 Gold Coast Colony
- 3 Northern Territory
- 4 Togoland (former British Trust
Territory)

- 1 Aegean Islands
- 2 Chios or Khios
- 3 Lemnos
- 4 Lesbos
- 5 Samos
- 6 Central Greece and Euboea
- 7 Acarnania)
- 8 Aetolia } or Aitolia Kai
Akarnania
- 9 Attica

A

B

Greece

- 10 Boeotia or Voiotia
- 11 Euboea
- 12 Phocis or Fokis
- 13 Phthiotis or Fthiotis
- 14 Crete
- 15 Chania or Khania
- 16 Hēraklion or Iraklion or
Heraclion
- 17 Lassethion or Lasithi
- 18 Rethyni or Rethimni
- 19 Cyclades Islands
- 20 Dodecanese
- 21 Calymnos
- 22 Carpathos
- 23 Cos
- 24 Rhodos
- 25 Sparades
- 26 Epirus
- 27 Arta
- 28 Jannina or Ioannina
- 29 Preveza
- 30 Thesprotia
- 31 Ionian Islands
- 32 Cephalonia or Kefallinia
- 33 Corfu or Kerkira
- 34 Levkas
- 35 Paxoi
- 36 Zante or Zakynthos
- 37 Macedonia
- 38 Agion Aros (Mt. Athos)
- 29 Cavalla
- 40 Chalcidice
- 41 Drama
- 42 Florina
- 43 Kilkis
- 44 Kozani
- 45 Pella
- 46 Serres or Serrai
- 47 Thessaloniki
- 48 Peloponnese (Morea) or
Peloponnisos
- 49 Achaia or Akhaia
- 50 Arcadia or Arkadhia
- 51 Argolis
- 52 Corinthia or Korinthia

AB

Greece

- 53 Elis or Ilia
- 54 Laconia or Lakonia
- 55 Messenia
- 56 Thessaly
- 57 Larissa
- 58 Trikkala
- 59 Thrace
- 60 Evros or Evros
- 61 Rhodope or Rodhopi

126 GREENLAND

* GRENADA

Indexed with Antilles, Lesser, 24

127 GUADALUPE

28 N Lat, 118 W Long

* GUADELOUPE

Indexed with Antilles, Lesser, 24

* GUAM

Indexed with Marianas, 197

128 GUATEMALA

- 1 Alta Verapaz
- 2 Amatitlan
- Belice, 23
- 3 Daja Verapaz
- 4 Chimalt or Chimaltenango
- 5 Chiquimula
- 6 El Peten
- El Progreso, 22
- 7 El Quiche
- 8 Escuintla
- 9 Guatemala
- 10 Huehuetenango
- 11 Izabal
- 12 Jalapa
- 13 Jutiapa
- 14 Quezaltenango
- 15 Retalhulen
- 16 Sacatepéquez
- 17 San Marcos
- 18 Sta. Rosa
- 19 Solola
- 20 Tononcapán
- 21 Zacapa
- 22 El Progreso
- 23 Belice

<u>A</u>	<u>B</u>
129 GUIANA, BRITISH	1 Berbice 2 Demerara 3 Essequibo
130 GUIANA, FRENCH	1 Guyane 2 Territory of Inini
* GUIANA, NETHERLANDS OR SURINAM Indexed as Surinam, 297	
347 GUIANAS, THE Indexed as separate geographic divisions. <u>Inclusive title</u> , to be used only when the separate divisions are not cited.	
131 GUINEA (formerly French Guinea)	
132 GUINEA, PORTUGUESE	
* GUINEA, SPANISH (formerly) or RÍO MUNI Indexed as Río Muni, 254	
133 HAINAN (China) 19 N Lat, 110 E Long	
* HAITI Indexed as Antilles, Greater (Haiti), 20	
134 HAWAIIAN ISLANDS or (formerly) Sandwich Islands	1 French Frigate Shoal or La Perouse Pinnacles 2 Gardner Pinnacles 3 Hawaii 4 Johnston I. 5 Kahoolawa 6 Kauai 7 Kure or Ocean I. 8 Lanai 9 Laysan 10 Lisianski 11 Maui 12 Midway I. 13 Molokai

A

B

Hawaiian Islands

- 14 Necker
- 15 Nihoa
- 16 Niihau
- 17 Oahu
- 18 Pearl and Hermes Reef
- 19 Philadelphia or Bunker
- 20 Tahoorā

- 135 HEARD ISLAND
53 S Lat, 74 E Long

- 1 Heard I.
- 2 Shag I.

- * HENDERSON ISLAND
Indexed with Tuamotu Archipelago,
314

- 91 HISPANIOLA or QUISQUEYA or SANTO
DOMINGO
Indexed as separate geographic
divisions. Inclusive title,
to be used only when the separ-
ate divisions are not cited.
Geographic divisions include:
Dominican Republic and Haiti.

- 136 HOLLAND or THE NETHERLANDS

- 1 Drenthe
- 2 Friesland
- 3 Groningen
- 4 Guelders or Gelderland
- 5 Limburg
- 6 Noordoostelijke Polder
- 7 North Brabant
- 8 North Holland
- 9 Overijssel
- 10 South Holland
- 11 Utrecht
- 12 West Frisian Islands
- 13 Zeeland

- 137 HONDURAS

- 1 Altantida
- 2 Choluteca
- 3 Colon

A

B

Honduras

- 4 Comayagua
- 5 Copan
- 6 Cortés
- 7 El Paraiso
- 8 Francisco Morazan
- 9 Gracias
- 10 Intibuca
- 11 La Masquitia, Territory of
- 12 La Paz
- 13 Ocotepeque
- 14 Olancho
- 15 Sta. Barbara
- 16 Tegucigalba
- 17 Valle
- 18 Yoro

138 HONDURAS, BRITISH

139 HONG KONG, CROWN COLONY OF

- 1 Hong Kong (includes Victoria)
- 2 Kowloon

* HOORN and surrounding islands,
13 S Lat, 177 W Long

- 1 Alofi I.
- 2 Banca Hera or Hera I.
- 3 Banca Home or Homeknoll I.
- 4 Futuna I.
- 5 Hoorn Is. or Horn I. or
Iles Horn
- 6 Islands of Uea

* HOWLAND ISLAND
Indexed with Phoenix Islands, 243

140 HUNGARY

- 1 Baranya
- 2 Bekes
- 3 Borsod Gömör
- 4 Csanad
- 5 Csongrad
- 6 Fejer
- 7 Gyor-Moson
- 8 Hajdu
- 9 Hoves
- 10 Jasz-Nagy-Kun-Szolnok

A

141 ICELAND

142 IFNI

29 N Lat, 10 W Long

143 INDIA

B

Hungary

- 11 Nograd-Hont
- 12 Pest-Pilis-Salt-Kiskun
- 13 Somogy
- 14 Sopron
- 15 Szabolcs
- 16 Tolna
- 17 Torna
- 18 Vas
- 19 Veszprem
- 20 Zala
- 21 Abauj
- 22 Bacs-Bodrog
- 23 Bihar
- 24 Komarom-Esztergon
- 25 Szatmar-Bereg
- 26 Zemplen

- 1 East
- 2 Kolbeinsay I.
- 3 North
- 4 South
- 5 South-West
- 6 West

- 1 Aymer
- 2 Assam
- 3 Bastar
- 4
- 5 Bihar
- 6 Bombay
- 7 Central Provinces or Madhya Pradesh
- 8 Chamba
- 9 Central India or Vindhya Pradesh
- 10 Cooh Behar
- 11 Coorg
- 12 Deccan States
- 13 Delhi
- 14 East Punjab or Patiala and East Punjab States Union

A

B

India

- 15 Gujarat States
- 16 Hyderabad
- 17 Madras
- 18 Mysore
- 19 Orissa
- 20 Patiala
- 21 Punjab States or Punjab Hill
States or old British Punjab
- 22 Rajputana
- 23 Sikkim
- 24 Travancore
- 25 Pripura
- 26 United Provinces or Uttar
Pradesh
Vindhya Pradesh or Central
India, 9
- 27 West Bengal
- 28 States of Western India

144 INDOCHINA

[This is a geographical term, not
political, used to accommodate the
entomological literature.]⁷

- 1 Annam or Centre-Viêtnam (now
part of Viet-Nam)
- 2 Cambodia
- 3 Cochín-China or Sud-Viêtnam
(now part of Viet-Nam)
- 4 Laos
- 5 Tonkin or Nord-Viêtnam (now
part of Viet-Nam)
- 6 Poulo Condore I.
- 7 Poulo Cecio de Mer I.
- 8 Poulo Panjang

337 INDONESIA or EAST INDIES

Indexed as East Indies inclusive,
or separate geographic divisions.

145 INDONESIA (Borneo and Celebes)

- 1 Malahalakan Is.
- 2 Balobae I.
- 3 Balambangan I.
- 4 Bangaya I.
- 5 Bangaya Is.

A

B

Indonesia (Borneo and Celebes)

- 6 Bangaya Province
- 7 Bangkulu I.
- 8 Banguey I.
- 9 Bawean I.
- 10 Bimju I.
- 11 Borneo
- 12 Brunei
- 13 Butou I.
- 14 Bwoel Province
- 15 Cagayan Sulu
- 16 Cap I.
- 17 Celebes I.
- 18 Dongola Province
- 19 Gurame Api
- 20 Hagadis I.
- 21 Jambongon I.
- 22 Kabaena I.
- 23 Kajeli Province
- 24 Kalao Tua
- 25 Kaya Wadi
- 26 Keramian I.
- 27 Kungit I.
- 28 Kutu Boband
- 29 Labuan I.
- 30 Laiwui Province
- 31
- 32 Laut I.
- 33 Laut Kitjil I.
- 34 Lifamatula
- 35 Luwu Province
- 36 Madu
- 37 Mallawalle I.
- 38 Mandar Province
- 39 Manguli
- 40 Maratua
- 41 Mesepi
- 42 Mina I.
- 43 Minahasa District
- 44 Miquel Is.
- 45 Mongondo Province
- 46 Mora Maho
- 47 Moresses
- 48 Muton Province
- 49 Nanukan I.
- 50 North Borneo
- 51 North South Is.

A

B

Indonesia (Borneo and Celebes)

- 52 Palu Province
- 53 Peling I.
- 54 Pomarau or Dondrekin Is.
- 55 Pua
- 56 Saint Mathew Is.
- 57 Salawe
- 58 Salayer
- 59 Sarawak
- 60 Sebatik I.
- 61 Sebuku I.
- 62
- 63 Simonor I.
- 64 Siri Is.
- 65 Solombo Is.
- 66 Soasi
- 67 South East Division
- 68 Spermonda Arch.
- 69 Sula Bessi
- 70
- 71 Tahabu
- 72 Tanah Jempeah
- 73 Tana Keke
- 74 Tarakan I.
- 75
- 76
- 77 Timbu Mata I.
- 78 Tiger Is.
- 79 Togean
- 80 Tombuco Province
- 81 Tukang Bessi Is.
- 82 Wales
- 83 Wangi Wangi
- 84 West Division
- 85 Wowohi (Bowoni)

146 INDONESIA (Java, Flores, Timor)

- 1 Adonara
- 2 Allor or Pulau Alor
- 3 Bali I.
- 4 Flores
- 5 Gila Banta
- 6 Goa Goa I. or Pulau Goagoa
- 7 Guning Api
- 8 Java
- 9 Kalao or Pulau Kalao

A

147 INDONESIA (Moluccas)

B

Indonesia (Java, Flores, Timor)

- 10 Kalao Tua or Pulau Kalaotoa
- 11 Kambing or Pulau Kambing
- 12 Kangean Is.
- 13 Karimon Java Is. or
Karimoendjawa-eilanden
- 14 Kayo Ubdì
- 15 Kelapa
- 16 Komodo
Krakatau I., 43
- 17 Lomblen or Pulau Lomblen
- 18 Lombok
- 19 Madu
- 20 Madura I.
- 21 Moyo I.
- 22 Pantar or Pulau Pantar
- 23 Paternoster Is.
- 24 Penida I.
- 25 Postillon I. or Postiljon-
eilanden
Prisen, 44
- 26 Raas I. or Pulau Raas
- 27 Ringa or Pulau Rintja
- 28 Ratti or Pulau Rati
- 29 Saman or Pulau Samaän
- 30 Sapudi I. or Pulau Sapudi
- 31 Savu I.
- 32 Sepangjang I. or Pulau
Sepangjang
- 33 Solor or Pulau Solor
- 34 Sumba or Sandilewood
- 35 Sumbawa I.
- 36 Tanah Jempeah or Pulau
Tanahdjampea
Thousand Is., 45
- 37 Timor (Netherlands or
Indonesian)
- 38 Timor (E. Portuguese)
- 39 Timor (W. Portuguese)
- 40 Trouwers
- 41 Wetter or Pulau Wetar
- 42 Klapper
- 43 Krakatau I.
- 44 Prisen
- 45 Thousand Is.

- 1 Adi Is.
Aje Is. or Ayu Is. or Yowl
Is., 91

A

B

Indonesia (Moluccas)

- 2 Ambelau I.
- 3 Amboina I.
- 4 Asia Is.
Ayu Is. or Ajoe Is. or
Yowl Is., 91
- 5 Babar
- 6 Bachau
- 7 Banda Is.
- 8 Bangka I.
- 9 Batanda
- 10 Biaro I.
- 11 Bisa
- 12 Boang I.
- 13 Boano
Boö Is., 92
- 14 Buru I.
- 15 Ceram
- 16 Current I.
- 17 Dammer
- 18 Evar or Kei Is.
- 19 Gagi
- 20 Gasse
- 21 Gebe
- 22 Gemien
- 23 Goram Is.
- 24 Great Kei
- 25 Great Kamari I.
- 26 Great Sangi Is.
- 27 Great Tawali
- 28 Guarichi Is.
- 29 Halmahera
- 30 Haruku I.
- 31 Ine Is.
- 32 Kabruang Is.
Kai or Kei Is., 93
- 33 Kamari Is.
- 34 Karkelang I.
Kei or Kai Is., 93
- 35 Kelang
- 36 Kilwaru I.
- 37 Kisser I.
- 38 Larat
- 39 Leikor I.
- 40 Letti I.
- 41 Lord North I.
- 42 Lucipara Is.

A

B

Indonesia (Moluccas)

- 43 Makyan
- 44 Mandioli
- 45 Manipa
- 46 Manuk
- 47 Mayu
- 48 Misol I.
- 49 Moa I.
- 50 Morotai I.
- 51 Motir
- 52 Mulu
- 53 Nanusa Is.
- 54 Nila
- 55 Nil Desparendum
- 56 Nusawair
- 57 Obi Is.
- 58 Obi Latu
- 59 Ombira
- 60 Onusa Laut
- 61 Palu Kar
- 62 Pisang Is.
- 63 Popa
- 64 Rau I.
- 65 Saint Andrews I
- 66 Salawati
- 67 Salibabu I.
- 68 Sangi Is.
- 69 Saparua
- 70 Sarua
- 71 Selaru
- 72 Seiu
- 73 Sera
- 74 Sermata
- 75 Siauw I.
- 76 South East Is.
- 77 Tagulanda I.
- 78 Tapat
- 79 Ternate
- 80 Tiau
- 81 Tidore
- 82 Timarlaut Is.
- 83 Tutle Is.
- 84 Waigeu
- 85 Walu
- 86 Warilaru
- 87 Warren Hastings I.
- 88 Watu Bella Is.

A

148 INDONESIA (New Guinea and
Associated Islands)

B

Indonesia (Moluccas)

- 89 Wetan
- 90 Yamdena
- 91 Yowl Is. or Ajoe Is. or
Ayu Is.
- 92 Bo^o Is.
- 93 Kai or Kei Is.

- 1 Adi
- 2 Amberpom I.
- 3 Aru Is. or Pulau Pulau Aru
- 4 Barkai
- Biak or OwI or Wiak I., 29
- 5 Dobo
- 6 Enu
- 7 Frederick Henry I.
- 8 Indonesian New Guinea or
Western New Guinea or
Netherlands New Guinea
- 9 Jambuai or Djambuai
- 10 Japen I.
- 11 Kohrur
- 12 Kolia
- 13 Komoran I.
- 14 Kurudu I.
- 15 Mapia I.
- 16 Matty I.
- 17 Mor Is.
- 18 Mufor I.
- 19 Mulgrave Banks
- 20 Musnum I.
- 21 Muswin I.
- 22 North-East New Guinea
Owi or Biak or Wiak I., 29
- 23 Papua Territory or
Australian New Guinea
- 24 Pen Trangan
- 25 Prince of Wales I.
- 26 Schouten Is.
- 27 Supuri
- 28 Thursday I.
- 29 Wiak or Biak or OwI I.
- 30 Wokam
- 31 New Guinea, Is. of
(inclusive)

A

149 INDONESIA (Sumatra)

B

- 1 Atjeh or Achen
- 2 Benkoelen
- 3 East Coast
- 4 Jambi
- 5 Lampong
- 6 Palembang
- 7 Rhio
- 8 Tapanuli
- 9 West Coast
- Islands:
- 10 Anamba Is.
Babi or Simaeloe or
Simalu, 48
- 11 Bangsang
- 12 Ranjak
- 13 Bangka
- 14 Barren
- 15 Batu Is.
- 16 Bengkalis
Berhala, 58
- 17 Billiton Is. or Belitung
- 18 Engano or Telanjang
- 19 Great Natuna
- 20 High I.
- 21 Jemaja
- 22 Karimata
Ketualauan Riouw Arch., 38
- 23 Laut
- 24 Linga Arch.
- 25 Low
- 26 Mego or Triest
- 27 Mentawai Is.
- 28 Middle Pora Is.
- 29 Nassau Is.
- 30 Natuna Is.
- 31 Nias
- 32 North Haycock
- 33 North Pageh
Pandang and Salahnama, 59
- 34 Pedang
- 35 Pini
- 36 Prince Is.
- 37 Rnatau
- 38 Rhio Arch. or Riau-Lingga
Arch. or Riouw Arch. or
Ketualauan Riouw Arch.

A

150 IRAN or PERSIA

151 IRAQ or MESOPOTAMIA

152 IRELAND (Includes N. Ireland and
Ireland (Republic of))

B

Indonesia (Sumatra)

- 39 Riabu
- 40 Rupert
- 41 Sadelle
- 42 Saint Barbe
- Salahnama and Pandang, 53
- 43 Seluan
- 44 Semium
- 45 Setakong
- 46 Siberut or North Pora
- 47 Sikobu or South Pora
- 48 Simalu or Babi
- 49 South Natuna Is.
- 50 South Pageh
- Sumatra, I. of, 57
- 51 Tambelan Is.
- 52 Tanah Bala
- 53 Tanah Masa
- 54 Thousand Is.
- 55 Verhay
- 56 Victorias
- 57 Sumatra, I. of (inclusive)
- 58 Berhala
- 59 Pandang and Salahnama

- 1 Amara
- 2 Baghdad
- 3 Basrah
- 4 Diwaniya
- 5 Diyala
- 6 Dulaim
- 7 Erbil
- 8 Hilla
- 9 Karbala
- 10 Kirkuk
- 11 Kut
- 12 Mosul
- 13 Muntafiq
- 14 Salaimani

- 1 Connacht
- 2 Leinster

A

B

Ireland

3 Munster

4 Ulster

North Ireland:

5 Antrim

6 Armagh

7 Belfast C.B.

8 Down

9 Fermanagh

10 Londonderry

11 Tyrone

Republic of Ireland

12 Carlow

13 Cavan

14 Clare

15 Cork

16 Donegal

17 Dublin

18 Galway

19 Kerry

20 Kildare

21 Kilkenny

22 Leitrim

23 Leix

24 Limerick

25 Longford

26 Louth

27 Mayo

28 Meath

29 Monaghan

30 Offaly

31 Roscommon

32 Sligo

33 Tipperary

34 Waterford

35 Westmeath

36 Wexford

37 Wicklow

* IRELAND, NORTH
Indexed as Ireland, 152

* IRELAND (Republic of, or
Eire)
Indexed as Ireland, 152
Political entity not used
in geographic breakdown.

A

153 ISLE OF MAN
54 N Lat, 4 E Long

154 ISRAEL

* ITALIAN SOMALILAND OR SOMALIA
Indexed as Somali Republic
284 of which it is now a
part

155 ITALY

156 IVORY COAST

* JAMAICA
Indexed as Antilles, Greater
(Jamaica), 21

157 JAN MAYEN ISLAND
71 N Lat, 9 W Long

158 JAPAN

B

- 1 Abruzzi e Molise
- 2 Apulia or Puglia
- 3 Basilicata
- 4 Calabria
- 5 Campania
- 6 Emilia-Romagna
- 7 Friuli-Venezia Giulia
- 8 Latium or Lazio
- 9 Liguria
- 10 Lombardy
- 11 Lucania
- 12 Marche
- 13 Piedmonte
- 16 Trentino-Alto-Adige
- 17 Tuscany
- 18 Umbria
- 19 Valle d'Aosta
- 20 Vatican City
- 21 Veneto
- 22 Venezia Euganea)Now incor-
- 23 Venezia Tridentina)porated in
Nos. 16 &
21.

- 1 Hokkaido
- 2 Honshu I.
- 3 Kyushu
- 4 Shikoku

A

B

339 JAPAN ISLANDS SOUTH

Indexed as separate geographic divisions. Inclusive title, to be used only when the separate divisions are not cited.

Geographic divisions include: Nampo Shotó, Ogasawara Gunto, separate groups.

* JARVIS ISLAND

Indexed with Line Islands, 179

* JAVA

Indexed as Indonesia (Java, Flores, Timor), 146

* JOHNSTON ISLAND

Indexed with Hawaiian Islands, 134

159 JORDAN OR HASHIMITE KINGDOM OF JORDAN

(Old area of Trans-Jordan indexed under this number)

- 1 Ajlun
- 2 Amman
- 3 Belqa
- 4 Desert Area
- 5 Karak
- 6 Ma'an
- 7 Area west of Jordan River
formerly in Palestine

160 JUAN FERNÁNDEZ ISLANDS

34 S Lat, 80 W Long

* KAMARAN ISLAND

Indexed with Red Sea Islands, 251

* KARA SEA ISLANDS, 186

77 N Lat, 80 E Long

- 1 Ostrov Isachenko
- 2 Ostrov Kirova
- 3 Ostrov Shokalskogo
- 4 Ostrov Sibiryakova
- 5 Ostrov Slozhny
- 6 Ostrov Uedineniya
- 7 Ostrov Weise
- 8 Ostrova Arkticheskogo
Instituta
- 9 Ostrova Izvestia Tsik
- 10 Ostrova Sergeya Kirova

A

- * KARAGINSKIY ISLAND
Indexed with Bering Sea
Islands, 47

161

- * KASHMIR
Indexed with Pakistan, 235
Index subdivision for coding
purposes

162 KAZAKH S.S.R. OR TURKESTAN

- 1 Akmolinsk
- 2 Aktyubinsk
- 3 Alma-Ata
- 4 Dzhambul
- 5 East Kazakhstan
- 6 Guryev or Gurev
- 7 Karaganda
- 8 Kokchetav
- 9 Kustanai
- 10 Kzyl-Orda
- 11 North Kazakhstan
- 12 Pavlodar
- 13 Semipalatinsk
- 14 South Kazakhstan
- 15 Taldy-Kurgan
- 16 West Kazakhstan

- * KEELING ISLANDS
Indexed with Cocos Islands, 81

163 KENYA COLONY AND PROTECTORATE

- 1 Central (Capital is Nairobi)
- 2 Coast
- 3 Northern Frontier Province
- 4 Nyanza
- 5 Rift Valley
- 6 Masai

164 KERGUELEN ISLANDS
49 S Lat, 70 E Long

165 KERMADEC ISLANDS
30 S Lat, 178 W Long

- 1 Curtis
- 2 Raoul or Sunday
- 3 Macaulay

A

- * KETUALAUAN RIOW ARCHIPELAGO
Indexed with Indonesia (Sumatra)
149, (Rhio Arch., 38)

166 KIRGHIZ S.S.R.

- * KODIAK ISLAND
Indexed with Alaska, 5

167 KOLGUEV ISLAND
69 N Lat, 49 E Long

- * KOMANDORSKIE ISLANDS
Indexed with Bering Sea
Islands, 47

168 KOREA

- * KRETE OR CRETE
Indexed with Greece, 125

- * KURIA ISLAND OR WOODLE ISLAND
Indexed with Gilbert Islands, 121

169 KURTA MURIA ISLANDS
18 N Lat, 56 E Long

170 KURIL ISLANDS
48 N Lat, 150 E Long

B

- 1 Dzhalaal-Abad
- 2 Frunze
- 3 Issyk-Kul
- 4 Osh
- 5 Talas
- 6 Tien Shan

- 1 North Korea
- 2 South Korea

- 1 Hasikiya I.
- 2 Hallaniya I.
- 3 Jibliya I.
- 4 Guda I.

- 1 Araitto-to
- 2 Buroton-to
- 3 Chirihci-kita-shima
- 4 Chirinkotau-to
- 5 Ekaruma-to
- 6 Etorufu-to
- 7 Harumukotan-to

A

171 KUWAIT
29 N Lat, 48 E Long

* LABRADOR
Indexed with Canada, 62

172 LACCADIVE ISLANDS
11 N Lat, 73 E Long

B

Kuril Islands

8 Ketoi-to
9 Kunashiri-jima
10 Manganru-to
11 Matsuwa-to
12 Onnekotau-to
13 Paramushiru-to
14 Raikoke-jima
15 Rashowa-to
16 Shikotan-to
17 Shasukotan-jima
18 Shibotsu-jima
19 Shimushiru-to
20 Shimushu-to
21 Shirinki-to
22 Taraku-to
23 Uruppu-to
24 Ushishiru-to
25 Yuri Shima or Aki-Uri-shima

1 Kuwait
2 Neutral Zone

1 Agatti I.
Amindivi Is., 22
2 Amini I.
3 Bingaram I.
4 Bitra
5 Byramgore Reef
6 Cardamum I.
7 Chetlat I.
8 Cherbaniani Reef
9 Cheriya I.
10 Kalpeni I.
11 Kalputhi I.
12 Kavaratti I.
13 Kiltan I.
14 Minicoy I.
15 North I.
16 Peremul Par

A

B

Laccadive Islands

- 17 Pitti I.
- 18 South I.
- 19 Suheli Par
- 20 Tinnakara I.
- 21 Tree I.
- 22 Amindivi Is.

- * LAOS
Indexed with Indochina, 144

173 LATVIA

174 LEBANON

- * LEEWARD ISLANDS (Now part of
The West Indies federation.
Indexed with Antilles, Lesser, 24

- * LEEWARD ISLANDS (Pacific Ocean)
Indexed with Society Islands, 281

175 LIBERIA

- 1 Cape Mount
- 2 Grand Bassa
- 3 Marshall Territory
- 4 Maryland
- 5 Montserrado
- 6 Sino

176 LIBYA

- 1 Cyrenaica
- 2 Fezzan
- 3 Tripolitania

177 LIECHTENSTEIN

178 LINDSAY ISLAND
54.36 S Lat, 1.55 E Long

179 LINE ISLANDS
5 N Lat, 160 W Long

- 1 Christmas
- 2 Fanning
- 3 Jarvis
- 4 Kingman Reef
- 5 Malden

A

B

Line Islands

- 6 Palmyra
- 7 Sarah Anne I.
- 8 Starbuck
- 9 Two Small Is.
- 10 Walker Is.
- 11 Washington

180 LITHUANIA

* LOMBOK

Indexed with Indonesia (Java, Flores
Timor), 146

181 LORD HOWE ISLAND

31 S Lat, 159 E Long

182 LOUISIADÉ ARCHIPELAGO

12 S Lat, 153 E Long

- 1 Misima Is.
- 2 Rossel I.
- 3 Tagula I.

* LOW ARCHIPELAGO or TUAMOTU

ARCHIPELAGO

Indexed as Tuamotu Archipelago, 314

183 LOYALTY ISLANDS

20 S Lat, 167 E Long

- 1 Lifou
- 2 Mare
- 3 Ouvea Atoll

184 LUXEMBOURG, GRAND DUCHY OF

185 MACAO (Portuguese)

22 N Lat, 113 E Long

* MACQUARIE ISLAND

Indexed with New Zealand, 222

* MADAGASCAR (formerly) and Surrounding
Islands

Indexed as Malagasy Republic, 186

187 MADEIRA ISLANDS

33 N Lat, 17 W Long

- 1 Desertas Grande
- 2 Madeira (Funchal)
- 3 Porto Santo

A

- * MADURA ISLAND
Indexed with Indonesia (Java,
Flores, Timor), 146
- 166 KARA SEA ISLANDS
Listed alphabetically under
Kara Sea Islands
- * MALAIU, ISLAND OF (Tubuai Manu)
Indexed with Society Islands,
281
- * MAKATEA ISLAND
Indexed with Tuamotu Archipelago,
314
- 189 SOUTH CHINA SEA ISLANDS
Listed alphabetically under
South China Sea Islands
- 186 MALAGASY REPUBLIC AND SURROUNDING
ISLANDS

B

- 1 Fianarantsoa
- 2 Majunga
- 3 Tananarive
- 4 Tananarive
- 5 Tuléar
- 6 Agalega Is.
- 7 Albatros I.
- 8 La Réunion
- 9 Anjouan
- 10 Assumption I.
- 11 Astove
- 12 Bank du Geyser
- 13 Barren Is.
- 14 Cargados Carajoes Shoals
- 15 Cerf
- 16 Chesterfield I.
- 17 Coco I.
- 18 Comoro
- 19 Cosmo Ledo I.
- 20 Diego-Suarez
- 21 Europa I.
- 22 Farquhar
- 23 Ile de la Reunion
- 24 Iles Glorieuses
- 25 Johanna

A

190 MALAYA

* MALDEN ISLAND
Indexed with Line Islands, 179

191 MALDIVE ISLANDS
5 N Lat, 72 E Long

B

Malagasy Republic

- 26 Juan de Nova
Madagascar, inclusive, 38
Mascarene Is., 39
- 27 Mauritius I.
- 28 Mayotta
- 29 Mohilla
- 30 Nosy-Be I.
- 31 Nosy-Mitsio
- 32 Nosy Vao
- 33 Providence
- 34 Rodriguez I.
- 35 Sainte-Marie
- 36 Saint Pierre
- 37 Tromelin I.
- 38 Madagascar, inclusive
- 39 Mascarene Is.

- 1 Johore
- 2 Kedah
- 3 Kelantan
- 4 Negri Sembilan
- 5 Pahang
- 6 Perak
- 7 Perlis
- 8 Selangor
- 9 Trengganu
- Settlements:
- 10 Malacca
- 11 Penang (including Province
Wellesley)

- 1 Addu Atoll
- 2 Ari Atoll
- 3 Dry Rocks
- 4 Fadiffolu Atoll
- 5 Felidu Atoll
- 6 Fua Mulaku Atoll
- 7 Haddumatu Atoll
- 8 Horsburgh Atoll

A

B

Maldivé Islands

- 9 Ihavandiffulu Atoll
- 10 Karida I.
- 11 Kolunadulu Atoll
- 12 Makunudu Atoll
- 13 Male Atoll
- 14 Milladummadulu Atoll
- 15 Mulaku Atoll
- 16 Nilandu Atoll
- 17 North Malosmadulu Atoll
- 18 Rasdu Atoll
- 19 South Male Atoll
- 20 South Malosmadulu Atoll
- 21 Suvadiva Atoll
- 22 Tiladummati Atoll
- 23 Wataru Reef

* MALI, REPUBLIC OF, 112
Indexed as French Sudan (formerly)

192 MALPELO ISLAND
4 N Lat, 82 W Long

193 MALTA AND SURROUNDING ISLANDS

- 1 Comino
- 2 Gozo
- 3 Malta

194 MANCHURIA

- 1 Antung
- 2 Heilungkiang
- 3 Hokiang
- 4 Hsingan
- 5 Kirin
- 6 Liaoning
- 7 Liaopen or Liaopeh
- 8 Nunkiang
- 9 Sungkiang

195 MANIHIKI ISLANDS
10 S Lat, 160 W Long

- 1 Caroline I.
- 2 Danger I. or Pukapuka I.
- 3 Dadoza
- 4 Flint I.
- 5 Manihiki I.

A

196 MARCUS ISLAND or MIRAMI TORI SHIMA
24 N Lat, 154 E Long

197 MARIANA ISLANDS or LADRONE ISLANDS
or MARIANNA ISLANDS
17 N Lat, 145 E Long

198 MARION ISLAND
47 S Lat, 37 E Long

199 MARQUESAS ISLANDS
10 S Lat, 140 W Long

B

Manihiki Islands

- 6 Nassau I.
- 7 Rakahanga I.
- 8 Suvarov I.
- 9 Tongareva or Penrhyn I.
- 10 Vostok I.

- 1 Agrihan
- 2 Aguijan
- 3 Alamagan
- 4 Anatahan I.
- 5 Asuncion I.
- 6 Bird I.
- 7 Cocos
- 8 Farallon de Medinilla
- 9 Farallon de Pajaros
- 10 Guam
- 11 Guguan
- 12 Guy Rock
- 13 Maug
- 14 Pagan
- 15 Rota or Sarpana
- 16 Saint Rose Reef
- 17 Saipan
- 18 Sarigan
- 19 Tinian
- 20 Uraccas I.

- 1 Fatu Huku
- 2 Fatu Hiva
- 3 Hatutu
- 4 Hiao or Eiao
- 5 Hiva Oa or Dominica
- 6 Motane
- 7 Nuku Hiva
- 8 Tahu Ata
- 9 Ua Huka
- 10 Ua Pu

A

200 MARSHALL ISLANDS
11 N Lat, 171 E Long

B

- 1 Ailinginae Atoll
- 2 Ailinglapalap Atoll
- 3 Ailuk Atoll
- 4 Arno Atoll
- 5 Aur Atoll
- 6 Bikar Atoll
- 7 Bikini Atoll
- 8 Ebon Atoll
- 9 Eniwetok Atoll
- 10 Erikub Atoll
- 11 Jaluit Atoll
- 12 Japwat Atoll
- 13 Jemo Atoll
- 14 Kili
- 15 Kwajalein Atoll
- 16 Lae Atoll
- 17 Likiep Atoll
- 18 Majuro Atoll
- 19 Maloelap Atoll
- 20 Mili Atoll
- 21 Namorik Atoll
- 22 Namu Atoll
- 23 Narik Atoll
- 24 New Year Atoll
- 25 Rongelap Atoll
- 26 Rongerik Atoll
- 27 Taka Atoll
- 28 Taongi Atoll
- 29 Ujae Atoll
- 30 Utirik Atoll
- 31 Wotho Atoll
- 32 Wotje Atoll

* MARTINIQUE
Indexed with Antilles, Lesser, 24

* MASCARENE ISLANDS
Indexed with Malagasy Republic,
186 for coding purposes

201 MAURITANIA

* MAURITIUS ISLAND
Indexed with Malagasy Republic,
186. Subdivision for coding
purposes.

A

202 McDONALD ISLAND
53 S Lat, 73 E Long

343 MEDITERRANEAN REGION
Indexed as separate geographic
divisions. Inclusive title, to
be used only when the separate
divisions are not cited.

203 MELANESIA
Indexed as separate geographic
divisions. Inclusive title, to
be used only when the separate
divisions are not cited. (After
Biological Abstracts) Geographic
divisions, as used in the litera-
ture include: Bismarck Archipel-
ago, Fiji Islands, Louisiade
Archipelago, Loyalty Islands, New
Caledonia, New Hebrides Islands,
Santa Cruz Islands, and Solomon
Islands.

* MESOPOTAMIA or IRAQ
Indexed as Iraq, 151

204 MEXICO

B

- 1 Aguascalientes
- 2 Baja California (N. Terr.)
- 3 Baja California (S. Terr.)
- 4 Campeche
- 5 Coahuila
- 6 Colima
- 7 Chiapas
- 8 Chihuahua
- 9 Distrito Federal
- 10 Durango
- 11 Guanajuato
- 12 Guerrero
- 13 Hidalgo
- 14 Jalisco
- 15 México
- 16 Michoacán
- 17 Morelos
- 18 Nayarit
- 19 Nuevo León
- 20 Oaxaca
- 21 Puebla

A

B

Mexico

- 22 Querétaro
- 23 Quintana Roo
- 24 San Luis Potosi
- 25 Sinaloa
- 26 Sonora
- 27 Tabasco
- 28 Tamaulipas
- 29 Tlaxcala
- 30 Veracruz
- 31 Yucatan
- 32 Zacatecas

205 MICRONESIA

Indexed as separate geographic divisions. Inclusive title, to be used only when the separate divisions are not cited. (After Biological Abstracts) Geographic divisions, as used in the literature, include: Bonin Islands, Caroline Islands, Gilbert Islands, Guam, Mariana Islands, Marshall Islands, Pelew Islands [Indexed as Palau Is.] 236, and Volcano Islands.

206 MIDDLE CONGO (formerly, now Republic of Congo)

340 MIDDLE EAST

Indexed as separate geographic divisions. Inclusive title, to be used only when the separate divisions are not cited. Geographic divisions, as used in the literature, include: Countries bordered by Turkey, Egypt, West Pakistan and Russia.

* MIDWAY ISLANDS

Indexed with Hawaiian Islands, 134.
Subdivision for coding purposes.

207 MOLDAVIAN S.S.R.

- 1 Beltsk or Beltsy
- 2 Bendersk or Bendersy
- 3 Bessarabia, District of

A

- * MOLUCCAS
Indexed as Indonesia (Moluccas), 147

208 MONACO, PRINCIPALITY OF

- 1 La Condamine
- 2 Monaco-Ville
- 3 Monte Carlo

209 MONGOLIA or OUTER MONGOLIA

210 MONGOLIA, INNER

- 1 Chahar
- 2 Ningsia
- 3 Suiyuan

- * MONTSERRAT ISLAND
Indexed with Antilles, Lesser, 24

211 MOROCCO, (formerly French and
Spanish Morocco, including Tangier)

- 1 Former northern Spanish
Morocco
- 2 Former southern Spanish
Morocco
- 3 Former French Morocco
- 4 Tangier zone

- * MOROCCO, TANGIER ZONE (now
incorporated into Morocco, 211)

- * MOROCCO, SPANISH (NORTHERN) (now
incorporated into Morocco, 211)

- * MOROCCO, SPANISH (SOUTHERN) (now
incorporated into Morocco, 211)

214 MOZAMBIQUE or MOCAMBIQUE or
PORTUGUESE EAST AFRICA

- 1 Manica and Sofala
- 2 Niassa
- 3 Sul do Save
- 4 Zambezia

B
Moldavian S.S.R.

- 4 Dubossarsk or Dubossary
- 5 Grigoriopol
- 6 Kagulsk
- 7
- 8 Kishinev
- 9 Orgeev
- 10 Rybnitz or Rybnitsa
- 11 Slobodzeisk or Slobodzey
- 12 Sorok or Soroki
- 13 Tiraspol

A

* MUSCAT AND OMAN, or OMAN
Indexed as Oman, 233

215 NAMPÔ-SHOTÔ ISLANDS
30 N Lat, 140 E Long

* NANSEI SHOTO or RYUKYO-RETTO IS.,
257

216 NATAL (Includes Zululand)
29 S Lat, 30 E Long

217 NAURU ISLAND
1 S Lat, 167 E Long

218 NEPAL
28 N Lat, 85 E Long

* NETHERLANDS or HOLLAND
Indexed as Holland, 136

* NETHERLANDS ANTILLES (formerly
Netherlands West Indies)
Indexed with Venezuela Coastal
Islands, 329 or Antilles, Lesser,
24

* NETHERLANDS EAST INDIES (formerly)
or EAST INDIES, 337
Indexed as East Indies inclusive 337,
or parts as separate geographic divisions
of Indonesia

* NETHERLANDS GUIANA or SURINAM, 297

* NEW BRITAIN ARCHIPELAGO or BISMARCK
ARCHIPELAGO
Indexed as Bismarck Archipelago, 50

B

1 Aogo-shima
2 Beyoresu-retsugam
3 Hachijo-jima
4 Kozu-shima
5 Mikura-jima
6 Miyako-jima
7 Nii-jima
8 O-shima
9 Sofu-gan
10 Sumisu-jima or Smith I.
11 Tori-shima

A

219 NEW CALEDONIA AND SURROUNDING ISLANDS
20 S Lat, 165 E Long

- * NEWFOUNDLAND
Indexed with Canada, 62
- * NEW GUINEA
Indexed as Indonesia (New Guinea),
148
- * NEW GUINEA (Australian)
Indexed as Indonesia (New Guinea)
(Papua Territory and North-East
New Guinea), 148
- * NEW GUINEA (Western)
Indexed as Indonesia (New Guinea)
(Indonesian New Guinea), 148

NEW HEBRIDES ISLANDS
16 S Lat, 168 E Long

B

- 1 Chesterfield Is.
- 2 Huon Is. or Entrecasteaux
Reefs
- 3 Isle of Pines or Kounie
- 4 Iles Belep
- 5 New Caledonia
- 6 Surprise or Entrecasteaux
Reefs
- 7 Walpole I.

- 1 Ambrim
- 2 Aneityum
- 3 Aniwa
- 4 Aoba
- 5 Banks Is.
- 6 Efate or Vate' I.
- 7 Epi
- 8 Eromanga
- 9 Espiritu Santo I.
- 10 Futuna
- 11 Gaous or Santa Maria
- 12 Ile Hunter
- 13 Ile Matthew
- 14 Muewo or Aurora
- 15 Malekuia
- 16 Mara Lava
- 17 Merig
- 18 Norbarbar
- 19 Pentecost
- 20 Shepherd Is.

A

B

New Hebrides Islands

- 21 Tanna
- 22 Torres Is.
- 23 Vanua Lava
- 24 Vatganai

* NEW IRELAND ISLAND

Indexed with Bismarck Archipelago,
50

221 NEW SIBERIAN ISLANDS

75 N Lat, 140 E Long

- 1 Faddeyevskiy
- 2 Ostrov Novaya Sibir'
- 3 Ostrova Lyakhovskiy
- 4 Ostrov Bel'kovskiy
- 5 Ostrov Bennet
- 6 Ostrov Bolshoi
- 7 Ostrov Genriyetta or
Henriyetta
- 8 Ostrov Kotel'nyy
- 9 Ostrov Malyy
- 10 Ostrov Samukova
- 11 Ostrov Stolbovoy
- 12 Ostrov Zhanneta
- 13 Ostrov Vilkitskogo
- 14 Ostrova de-Longa

* NEW SOUTH WALES

Indexed with Australia, 32

222 NEW ZEALAND

- 1 Auckland
- 2 Canterbury
- 3 Hawkes Bay
- 4 Marlborough
- 5 Nelson
- 6 Otago
- 7 Taranaki
- 8 Wellington
- 9 Westland
- Otago Portion
- Southland Portion
- 10 Antipodes Is.
- 11 Auckland Is.
- 12 Bounty Is.
- 13 Campbell I.
- 14 Macquarie I.

A

223 NICARAGUA

224 NICOBAR ISLANDS
8 N Lat, 94 E Long

B

New Zealand

- 15 Norfolk I.
- 16 Snares Is.
- 17 Solander I.
- 18 Stewart I.
- 19 Three Kings Is.
- 20 North I.
- 21 South I.

- 1 Carazo
- 2 Chinandega
- 3 Chontales
- 4 Esteli
- 5 Granada
- 6 Jinotega
- 7 León
- 8 Managua
- 9 Masaya
- 10 Matagalpa
- 11 Nueva Segovia
- 12 Río San Juan
- 13 Rivas
- 14 Zelaya

- 1 Batti Malv I.
- 2 Bompoka I.
- 3 Kebra I.
- 4 Camorta I.
- 5 Car Nicobar I.
- 6 Chowra I.
- 7 Great Nicobar
- 8 Isle of Man
- 9 Katchall I.
- 10 Mondul I.
- 11 Little Nicobar I.
- 12 Manchal I.
- 13 Miroe I.
- 14 Nancowry I.
- 15 Pulo Milo I.
- 16 Bompoka
- 17 Teresa I.
- 18 Tillanchong
- 19 Trak I.
- 20 Treis I.
- 21 Trinkat I.

A

B

225 NIGER, REPUBLIC OF

226 NIGERIA, FEDERATION OF. AND
CAMEROONS (Br. Trust)
10 N Lat, 8 E Long

- 1 Cameroons (British Trust)
- 2 Eastern Provinces
- 3 Mandara (Northern part of
Cameroons (Br. Trust))
- 4 Northern Provinces
- 5 Southern Provinces (Formerly
comprised of what is now
Western Provinces and part
of Eastern Provinces)
- 6 Western Provinces

* NINE ISLANDS or KILINAILAU
Indexed with Solomon Islands, 283

* NIUE ISLAND
Indexed with Cook Islands, 83

* NORFOLK ISLAND
Indexed with New Zealand, 222

351 NORTH AMERICA
Indexed as separate geographic
divisions. Inclusive title, to
be used only when the separate
divisions are not cited.

* NORTH BORNEO (British Colony)
Indexed with Indonesia (Borneo
and Celebes), 145

* NORTHERN IRELAND or IRELAND, NORTH
Indexed as Ireland, 152
Political entity, not used in
geographic breakdown

* NORTHERN LINE ISLANDS
Indexed with Line Islands, 179

227 NORTHERN RHODESIA

- 1 Barotse
- 2 Central
- 3 Eastern
- 4 Northern
- 5 Southern
- 6 Western

A

- * NORTHWEST AFRICA
Indexed as separate countries

228 NORWAY

- * NOSSI-BÉ or NOSY-BÉ ISLAND
Indexed with Malagasy Republic,
186
Index subdivision for coding
purposes

- * NOVA SCOTIA
Indexed with Canada, 62

229 NOVAYA ZEMLYA
75 N Lat, 55 E Long

- * NUNIVAK ISLAND
Indexed with Bering Sea Islands, 47

B

- 1 Akershus
- 2 Aust-Agder
- 3 Bergen
- 4 Buskerud
- 5 Finnmark
- 6 Hedmark
- 7 Horda-Land
- 8 Møre og Romsdal
- 9 Nordland
- 10 Nord-Trøndelag
- 11 Opland
- 12 Oslo
- 13 Østfold
- 14 Rogaland
- 15 Sogn og Fjordane
- 16 Sør-Trøndelag
- 17 Telemark
- 18 Troms
- 19 Vest-Agder
- 20 Vestfold

- 1 Gulf Stream Is.
- 2 Kostin Shar Mezhdusharski I.
or Ostrov Mezhdusharskiy
- 3 Orange I.
- 4 Ostrov Vaygach
- 5 Pakhtusov I.
- 6 Pankratiev Is.

A

230 NYASALAND PROTECTORATE
13 S Lat, 33 E Long

231 OCEAN ISLAND
1 S Lat, 170 E Long

* OENO ISLAND
Indexed with Tuamotu Archipelago,
314

232 OGASAWARA GUNTO
26 N Lat, 142 E Long

B

- 1 Ane shima
- 2 Ani-shima
- 3 Baily or Coffin Group
- 4 Beechy Groups
- 5 Bonin Is.
- 6 Chichi-shima
- 7 Haha shima
- 8 Imoto jima
- 9 Io-Jima or Sulfur I. or
Iwo Jima
- 10 Kita-io-jima or San
Alessandro or Kita
Iwo Jima
- 11 Kitano-shima
- 12 Mei jima
- 13 Minami-io-jima or San
Augustine or Minami
Iwo Jima
- 14 Muko-shima
- 15 Mukoshima-retto
- 16 Nakodo-shima
- 17 Nishino-shima or Rosario I.
- 18 Ototo-shima
- Parece Vela, 21
- 19 Volcano Is.
- 20 Yome-shima
- 21 Parece Vela

233 OMAN AND MUSCAT, SULTANATE OF
20 N Lat, 57 E Long

234 ORANGE RIVER COLONY or ORANGE
FREE STATE
28 S Lat, 28 E Long

A

- * ORKNEY ISLANDS
Indexed with Scotland, 272
- * OUBANGUI CHARI or UBANGI SHARI
(formerly)
Indexed as Ubangi Shari (formerly),
now Central African Republic, 319
- * OUTER MONGOLIA or MONGOLIA
Indexed as Mongolia, 209

235 PAKISTAN (EAST AND WEST)

B

- 1 Bahawalpur
- 2 Beluchistan
- 3 East Bengal
- 4 Kashmir /Disputed territory/
- 5 Khairpur
- 7 North-West Frontier
- 8 Punjab
- 9 Sind

236 PALAU ISLANDS or PELEW ISLANDS
7 N Lat, 134 E Long

- 1 Angaur I.
- 2 Babeithuap I.
- 3 Eil Malk
- 4 Garakayo I.
- 5 Kayangel I.
- 6 Koror I.
- 7 Ngemelis Is.
- 8 Ngesebus I.
- 9 Peleliu I.
- 10 Urukthapel I.

342 PALESTINE (formerly)
Indexed as Israel, 154, and
Jordan, 159

237 PANAMA

- 1 West of Canal Zone
- 2 East of Canal Zone
- 3 Archipelago de las Perlas

238 PANAMA CANAL ZONE or CANAL ZONE

- * PAPUA TERRITORY (South-East New
Guinea)
Indexed with Indonesia (New
Guinea), 148

A

239 PARAGUAY

B

- 1 Alto Paraná
- 2 Amambay
- 3 Boqueron (Occidental Region)
- 4 Caaguazú
- 5 Caazapa
- 6 Central
- 7 Concepcion
- 8 Cordillera
- 9 Guairá
- 10 Itapúa
- 11 Misiones
- 12 Neembucú
- 13 Olimpo (Occidental Region)
- 14 Paraguari
- 15 Presidente Hayes (Occidental Region)
- 16 San Pedro

- * PARECE VELA
Indexed with Ogasawara Gunto, 232
- * PELEW ISLANDS or PALAU ISLANDS
Indexed as Palau Islands, 236
- * PENRHYN ISLAND or TONGAREVA
Indexed with Manihiki Island Group,
195
- * PERIM ISLAND
Indexed with Red Sea Islands, 251
- * PERSIA or IRAN
Indexed as Iran, 150

240 PERU

- 1 Amazonas
- 2 Ancash
- 3 Apurímac
- 4 Arequipa
- 5 Ayacucho
- 6 Cajamarca
- 7 Callao
- 8 Cusco
- 9 Huancavelica
- 10 Huánuco
- 11 Ica
- 12 Junín

B

Peru

- 13 La Libertad
- 14 Lambayeque
- 15 Lima
- 16 Loreto
- 17 Madre de Dios
- 18 Moquegua
- 19 Pasco
- 20 Piura
- 21 Puno
- 22 San Martín
- 23 Tacna
- 24 Tumbes
- 25 Lake Titicaca
- 26 Various Islands

241 PETER 1st ISLAND
62 S Lat, 90 W Long

242 PHILIPPINES, REPUBLIC OF

- 1 Abra
- 2 Agusan
- 3 Albay (including Batan Island)
- 4 Antique
- 5 Babuyan Is.
Balabac I. (indexed with Palawan, 41 below)
- 6 Bataan
Batan Is. (not subdivision 3), 56
- 7 Batangas
- 8 Bohol
- 9 Bukidnon
- 10 Bulacan
- 11 Cagayan
Cagayan I., 60
Cagayan Sulu and San Miguel I., 61
- 12 Calamian Group
- 13 Camarines Norte
- 14 Camarines Sur
- 15 Capiz
- 16 Catanduanes
- 17 Cavite
- 18 Cebu
- 19 Cotabato
- 20 Cuyo

B

Phillipines, Republic of

Dalanganem I. and Dumarán I.
(indexed with Palawan, 41
below)

- 21 Davao
- 22 Ilocos Norte
- 23 Ilocos Sur
- 24 Ilcilo
- 25 Isabela
- 26 Laguna
- 27 Lanao
- 28 La Union
- 29 Leyte
- 30 Marinduque
- 31 Masbate
- 32 Mindanao
- 33 Mindoro
- 34 Misamis Occ.
- 35 Misamis Or.
- 36 Mountain
Negros I., 57
- 37 Negros Occ.
- 38 Negros Or.
- 39 Nueva Ecija
- 40 Nueva Vizcaya
- 41 Palawan
- 42 Pampanga
- 43 Pangasinan
- Panay I., 58
- 44 Quezon
- 45 Rizal
- 46 Romblon
- 47 Samar
- San Miquel I., 61
- 48 Sarsogon
- 49 Sulu
- 50 Surigao
- 51 Tarlac
- 52 Zambales
- 53 Zamboanga
- 54 Luzon
- 55 Corregidor Is.
- 56 Batan Is.
- 57 Negros I.
- 58 Panay I.
- 59 Tawitawi Group (part of Sulu
Archipelago)

A

243 PHOENIX ISLANDS
4 S Lat, 170 W Long

* PITCAIRN ISLAND
Indexed with Tuamotu Archipelago,
314

244 POLAND

245 POLYNESIA
Indexed as separate geographic
divisions. Inclusive title, to
be used only when the separate
divisions are not cited. [After
Biological Abstracts]

B

Phillippines

60 Cagayan I.
61 Cagayan Sulu and San
Miguel I.

1 Baker
2 Birnie
3 Canton
4 Carondelet Reef
5 Enderbury
6 Gardner
7 Howland
8 Hull
9 McKean
10 Phoenix
11 Sydney

1 Bialystok
2 Gdansk or Danzig
3 Kielce
4 Krakow
5 Lodz
6 Lublin
7 Olsztyn or Allenstein
8 Pomorze
9 Poznan
10 Rzeszow
11 Slask or Upper Silesia
12 Szczecin or Stettin
13 Warsaw
14 Wroclaw or Breslau

A

245 POLYNESIA (Cont)

Geographic divisions, as used
in the literature, include:
Cook Islands, Easter Island,
Ellice Islands, Manihiki
Islands, Marquesas Islands,
Phoenix Islands, Samoa Islands,
Society Islands, Tonga Islands
or Friendly Is., and Tuamotu
Archipelago

246 PORTUGAL

B

- 1 Aveiro
- 2 Beja
- 3 Braga
- 4 Braganca
- 5 Castelo Branco
- 6 Coimbra
- 7 Évora
- 8 Faro
- 9 Guarda
- 10 Leiria
- 11 Lisboa
- 12 Portalegre
- 13 Porto
- 14 Santarém
- 15 Setúbal
- 16 Viana do Castelo
- 17 Vila Real
- 18 Viseu
- 19 Algarve
- 20 Alto Alentejo
- 21 Baixo Alentejo
- 22 Beira Alta
- 23 Beira Baixa
- 24 Beira Litoral
- 25 Douro Litoral
- 26 Estremadura
- 27 Minho
- 28 Ribalejo
- 29 Trás-os Montes e Alto
Douro

* PORTUGUESE CHINA or MACAO
Indexed as Macao, 185

* PORTUGUESE EAST AFRICA or
MOZAMBIQUE
Indexed as Mozambique, 214

A

B

349 PORTUGUESE INDIA (formerly)

Indexed as Damao, 90, Diu, 94,
Goa, 122. Inclusive title, to
be used only when the separate
divisions are not cited.

- * PORTUGUESE WEST AFRICA or ANGOLA
or PORTUGUESE CONGO
Indexed as Angola, 14

- * PRIBILOF or PRIBYLOV ISLANDS
Indexed with Bering Sea Islands,
47

247 PRINCE EDWARD ISLAND
45 S Lat, 38 E Long

248 PRINCIPE ISLAND
2 N Lat, 7 E Long

- * PUERTO RICO
Indexed as Antilles, Greater
(Puerto Rico), 22

- * PUKAPUKA or DANGER ISLAND
Indexed with Manihiki Islands, 195

348 PYRENEES
Inclusive term for area along both
sides of the border between France
and Spain

249 QATAR, SHEIKHDOM (Continental Arabia)
25 N Lat, 51 E Long

250 QUEEN CHARLOTTE ISLANDS
53 N Lat, 132 W Long

- * QUISQUEYA or HISPANIOLA
Indexed as Hispaniola, 91

- * RAKAHANGA ISLAND
Indexed with Manihiki Islands, 195

251 RED SEA ISLANDS

- 1 Dahlak Arch.
- 2 Dahlak I.

A

B

Red Sea Islands

- 3 Farasan Is.
- 4 Great Hanish I.
- 5 Harmil I.
- 6 Isra-tu I.
- 7 Kamaran I.
- 8 Norah I.
- 9 Perim I.
- 10 Zugar I.

- * REUNION, ILSE de la
Indexed with Malagasy Republic,
186
Index subdivision for coding
purposes

- 252 REVILLAGIGEDO ISLANDS or ISLAND DE
REVILLAGIGEDO
19 N Lat, 112 W Long

- 1 Clarion
- 2 Roca Partida
- 3 San Benedicto
- 4 Socorro

- 253 See Spanish Sahara, 253

- 344 RHODESIA
Indexed as Northern Rhodesia (227)
and Southern Rhodesia (292).
Inclusive title, to be used only
when the separate divisions are
not cited.

- * RIAU-LINGGA ARCHIPELAGO or RHIV ARCH.
or RIOUW ARCH. or KETUALAUAN RIOUW
ARCH.
Indexed with Indonesia (Sumatra),
149

- * RIO de ORO, NOW SPANISH SAHARA, 253

- 254 RÍO MUNI or SPANISH GUINEA
2 N Lat, 10 E Long

- 1 Corisco I.
- 2 Great Elobey I.
- 3 Little Elobey I.
- 4 Río Muni

A

* RODRIGUEZ ISLAND

Indexed with Malagasy Republic, 186
Index subdivision for coding purposes

* RUANDA-URANDI

Indexed with former Belgian Congo,
now Republic of the Congo, 44.
(Index subdivision for coding
purposes)

255 RUMANIA

B

- 1 Banat
- 2 Bucovina
- 3 Crisana
- 4 Dobrogea or Dobruja
- 5 Maramures
- 6 Moltova or Moldavia
- 7 Muntenia or Wallachia
- 8 Oltenia
- 9 South Bucovina
- 10 Transylvania

256 RUSSIAN SOVIET FEDERATED SOCIALIST
REPUBLIC (Soviet Russia)

Territories (Krays)

[Note: In most cases U.S. Board
of Geographic Names recommended
spelling adds "-skaya" to conven-
tional spellings given]

- 1 Altai
 - 2 Khabarovsk
 - 3 Krasnodar or Adler or
Starominsk
 - 4 Krasnoyarsk
 - 5 Primorskiy
 - 6 Stavropolskiy
- Regions:
- 7 Arkhangel
 - 8 Astrakhan
 - 9 Briansk
 - 10 Chelyabinsk
 - 11 Chitinskaya or Chita
 - 12 Chkalov or Orenburg
 - 13 Crimea or Krymskaya
 - 14 Gorki or Gor'kovskaya
 - 15 Grosny or Grozny
 - 16 Irkutsk

A

B

Russian Soviet Federated
Socialist Republic

- 17 Ivanovo
- 18 Kaluzhskaya
- 19 Kalinin
- 20 Kaliningrad
- 21 Kemerova
- 22 Kirov
- 23 Kostroma
- 24 Kuibyshev or Samara or
Kuibysneva
- 25 Kurgan
- 26 Kursk
- 27 Leningrad or St. Petersburg
or Petrograd
- 28 Molotov or Perm
- 29 Moscow
- 30 Murmansk
- 31 Novgorod
- 32 Novosibirsk
- 33 Omsk
- 34 Orel
- 35 Penza or Penzenskaya
- 36 Pskovitsa or Pskov
- 37 Rostov
- 38 Ryazan
- 39 Sakhalin
- 40 Saratov
- 41 Smolensk
- 42 Stalingrad or Volgograd
- 43 Sverdlovsk or Ural or Ural
government
- 44 Tambov
- 45 Tomsk
- 46 Tula
- 47 Tyumen
- 48 Ulyanovsk
- 49 Velikiy or Velikie Luki
- 50 Vladimir
- 51 Vologod or Vologda
- 52 Voronezh
- 53 Yaroslavl
- Autonomous Regions:
- 54 Adygei or Adygeyskaya
- 55 Cherkess or Karachayevo
Cherkessaya

A

B

Russian Soviet Federated
Socialist Republic

- 56 Gorno-Altai
- 57 Jewish or Yevreyskaya
- 58 Khakass
- 59 Tuva or Tuvin'skaya
Autonomous S.S.R.:
- 60 Bashkir
- 61 Buryat-Mongol or
Transbaikalia
- Checheno-Inguskaya, 81
- 62 Chuvash
- 63 Dagestan
- 64 Kabardinian
- Kalmytskaya, 82
- Karel'skaya, 83 (formerly
Karelo-Finnish S.S.R.)
- 65 Komi
- 66 Mari
- 67 Mordovin
- 68 North Ossetian or
Vladikavkas or
Dzardzhikan, or
Ordzhaniukidze
- 69 Tatar
- 70 Udmurt
- 71 Yakut

Regions (formerly)

- 72 Eastern Siberian or Amur
- 73 Western Siberian
- 74 Maritime Territory

[See: "Autonomous S.S.R." above
for]

- 81 Checheno-Inguskaya
- 82 Kalmytskaya
- 83 Karel'skaya (formerly
Karelo-Finnish S.S.R.)

257 RYUKYU-RETTO ISLANDS or NANSEI SHOTO
28 N Lat, 128 E Long

- 1 Amani-O-shima
- 2 Daito-shima
- 3 Haderuma-shima
- 4 Iriomote-shima
- 5 Ishigaki-shima
- 6 Kita-daito-shima
- 7 Kume Jima
- 8 Minami-daito-shimas

A

B

Ryukyu-Retto Islands

- 9 Miyako-jima
- 10 Okinawa-jima
- 11 Okino-daito-shima
- 12 Okino-erabu-shima
- 13 Osumi-gunto
- 14 Sakishima-gunto
- 15 Senkaka-gunto
- 16 Tanega-shima
- 17 Tokarh-gunto
- 18 Tokuno-shima
- 19 Yaku-shima
- 20 Yonakuni-shima

- * SAGUTA EL HAMRA or SEKIA EL HAMRA
Indexed with Spanish Sahara, 253

- 258 SAINT HELENA ISLAND
16 S Lat, 6 W Long

- * SAINT LAWRENCE ISLAND
Indexed with Bering Sea Islands, 47

- * SAINT LUCIA ISLAND
Indexed with Antilles, Lesser, 24

- * SAINT MATTHEW ISLAND
Indexed with Bering Sea Islands, 47

- 259 SAINT PAUL ISLAND
38 S Lat, 77 E Long

- * SAINT PAUL ROCKS, 335
0.58 N Lat, 29.15 W Long

- 260 SAINT PIERRE and MIQUELON ISLANDS
46 N Lat, 56 W Long

- 1 Grande Miquelon
- 2 Little Miquelon
- 3 Saint Pierre

- * SAINT VINCENT ISLAND
Indexed with Antilles, Lesser, 24

- * SAINTE-MARIE
Indexed with Malagasy Republic, 186

A

B

- * SAKHALIN (INCL. KARAFUTO)
Indexed with Russian Soviet
Federated Socialist Republic,
256

261 SALA-Y-GOMEZ ISLAND
27 S Lat, 105 W Long

262 SALVADOR, REPUBLIC OF EL

263 SAMOA ISLANDS
13 S Lat, 172 W Long

- 1 Aunuu (American Samoa)
- 2 Apolima (Western Samoa)
- 3 Manona (Western Samoa)
- 4 Manua Is. (American Samoa)
- 5 Ofu I. (American Samoa)
- 6 Olosega (American Samoa)
- 7 Rose (American Samoa)
- 8 Savaii (Western Samoa)
- 9 Swains (American Samoa)
- 10 Tau (American Samoa)
- 11 Tutuila (American Samoa)
- 12 Upolu (Western Samoa)

- * SAMOA, AMERICAN
Indexed as Samoa Islands, 263

- * SAMOA, WESTERN
Indexed as Samoa Islands, 263

264 SAN AMBROSIO ISLAND
20 S Lat, 80 W Long

265 SAN FELICE ISLAND or ISLA DE SAN FELIX
26 S Lat, 80 W Long

266 SAN MARINO, REPUBLIC OF
44 N Lat, 12 E Long

- * SANTO DOMINGO or HISPANIOLA
Indexed as Hispaniola, 91

267 SAN TOME or SAO TOME ISLAND
1 N Lat, 6 E Long

- * SANDWICH ISLANDS or HAWAIIAN ISLANDS
Indexed as Hawaiian Islands, 134

A

268 SANTA CRUZ ISLANDS
11 S Lat, 167 E Long

* SAO TOME OR SAN TOME ISLAND
Indexed as San Tome Island, 267

* SARAWAK
Indexed as Indonesia (Borneo and
Celebes), 145

269 SARDINIA

270 SAUDI ARABIA

271 SCILLY ISLES
50 N Lat, 6 W Long

272 SCOTLAND

B

1 Cherry I.
2 Duff Is.
3 Lord Howe I.
4 Mitre
5 Ndeni
6 Wupani
7 Swallow Is.
8 Tevai
9 Tikopia
10 Tinakula
11 Utupua
12 Vanikoro

1 Bryher
2 Martins
3 Saint Agnes
4 Saint Marys
5 Tresco

1 Aberdeen
2 Angus
3 Argyll
4 Ayr
5 Banff
6 Berwick
7 Bute (Bute, Arran, Cumbraes
Islands)
8 Caithness
9 Clackmannan
10 Dumbarton
11 Dumfries
12 East Lothian

A

B

Scotland

- 13 Fife
- 14 Inversess
- 15 Kincardine
- 16 Kinross
- 17 Kirkcudbright
- 18 Lanark (including Glasgow)
- 19 Midlothian (Edinburgh)
- 20 Moray (Elgin)
- 21 Nairn
- 22 Orkney Is.
- 23 Peebles
- 24 Perth
- 25 Renfrew
- 26 Ross and Cromarty
- 27 Roxburgh
- 28 Selkirk
- 29 Shetland Is.
- 30 Stirling
- 31 Sutherland
- 32 West Lothian
- 33 Wigtown
- 34 Hebrides Is.

* SEKIA EL HAMRA OR SACUIA EL HAMRA
Indexed with Spanish Sahara, 253

273 SENEGAL
15 N Lat 15 W Long

274 SEVERNAYA ZEMLYA
80 N Lat, 100 E Long

275 SEYCHELLES ISLANDS
4 S Lat, 56 E Long

- 1 Ostrov Bol'shevik
- 2 Ostrov Komsomolets
- 3 Ostrov Oktyabr'skoy
Revolyutsii
- 4 Ostrov Pioneer
- 5 Ostrov Taymyr
- 6 Ostrov Schmidt
- 7 Ostrov Ushakova

- 1 Alligator and Shark Rocks
- 2 Aride I.
- 3 Bird I.
- 4 Booby I.

A

- * SHANGHAI
Indexed with China, 76
(Kiangsu, 12)
- 276 SHANTARSKIE ISLANDS
55 N Lat, 138 E Long
- * SHETLAND ISLANDS OR ZETLAND
Indexed with Scotland, 272
- 277 SIAM (formerly) OR THAILAND
- 278 SICILY
- 279 SIERRA LEONE
8 N Lat, 12 W Long

B

Seychelles Islands

- 5 Cerf I.
- 6 Chimney Rocks
- 7 Conception I.
- 8 Cousin I.
- 9 Curieuse I.
- 10 Dennis I.
- 11 Felicite I.
- 12 Frigate I.
- 13 La Digue I.
- 14 Madge Rocks
- 15 Mahe I.
- 16 Mamelie I.
- 17 Mary Anne I.
- 18 North I.
- 19 Praslin I.
- 20 Recif I.
- 21 Renommee Rocks
- 22 Saint Anne I.
- 23 Silhouette I.
- 24 Theresa I.
- 25 The Sisters Is.

- 1 Isola Lipari
- 2 Lampedusa
- 3 Linosa
- 4 Pantelleria
- 5 Sicily
- 6 Ustica

- 1 Banana I.
- 2 Sherbro I.
- 3 Sierra Leone

A

280 SINGAPORE
2 N Lat, 104 E Long

* SINKIANG, CHINA
Indexed with China, 76

281 SOCIETY ISLANDS
16 S Lat, 151 W Long

282 SOCOTRA OR SOQOTRA
12 N Lat, 54 E Long

283 SOLOMON ISLANDS
7 S Lat, 159 E Long

B

Sierra Leone

- 4 Sierra Leone Protectorate
(formerly)
- 5 Tasso I.
- 6 York I.

- 1 Auera
- 2 Ile Bora-Bora
- 3 Huahine
- 4 Maiso or Tubuai Manu, 13
- 5 Maupiti
- 6 Motu Iti
- 7 Motu Mute
- 8 Murea
- 9 Raiatea
- 10 Tahaa
- 11 Tahiti
- 12 Te Apaa
- 13 Tuanai
- 14 Tubuai Manu or Maiao
- 15 Leeward Is.

- 1 Bellona
- 2 Bougainville
- 3 Buka
- 4 Choiseul I.
- 5 Florida or Nuto
- 6 Ganongga
- 7 Gizo
- 8 Guadalcanal
- 9 Kira Kira
- 10 Kolombangara
- 11 Malaite
- 12 Maramasike

A

B

Solomon Islands

- 13 New Georgia
- 14 Nine Is. or Kilinailau
- 15 Oleviega
- 16 Olu Mahu or Ugi
- Ontong Java I. or Lord
Howe Atoll, 32
- 17 Rendova
- 18 Rennell
- 19 Russell or Pavuva
- 20 Saint Georges
- 21 San Christobal
- 22 Santa Ana
- 23 Santa Isabel
- 24 Savo
- 25 Shortland
- 26 Simbo
- Stewart I., 33
- 27 Tauu
- 28 Treasury or Mona
- 29 Ulawa
- 30 Vanguna
- 31 Vella Lavella
- 32 Ontong Java I. or Lord
Howe Atoll
- 33 Stewart I.

284 SOMALI REPUBLIC (Formerly Italian
Somaliland and formerly British
Somaliland)

285 SOMALILAND, FRENCH

286 SOMALILAND (formerly British
Somaliland now Somali Republic)

- 1 Berbera
- 2 Borana
- 3 Burao
- 4 Erigavo
- 5 Hargeisa
- 6 Las Anod

* SOQOTRA OR SOCOTRA
Indexed as Socotra, 282

* SOUTH AFRICA, REPUBLIC OF
Indexed as Union of South Africa
(Former name), 322

A

B

352 SOUTH AMERICA

Indexed as separate geographic divisions. Inclusive title, to be used only when the separate geographic divisions are not cited.

* SOUTH CHINA SEA ISLANDS, 189

- 1 Amboyna Cay
- 2 Flat
- 3 Itu Aba
- 4 Luconia Shoals
- 5 Nanshan
- 6 North Danger
- 7 Paracel Is.
- 8 Pratas I.
- 9 Scarborough Shoal
- 10 Spratly I.
- 11 Thitu
- 12 West York

287 SOUTH GEORGIA ISLAND
54 S Lat, 38 W Long

288 SOUTH ORKNEY ISLANDS
60 S Lat, 45 W Long

- 1 Coronation I.
- 2 Laurie I.
- 3 Powell Is.

289 SOUTH PACIFIC

Indexed as separate geographic divisions. Inclusive title, to be used only when the separate divisions are not cited. Geographic divisions, as used in the literature, include: Australian and New Zealand Area, Indonesia, Melanesia, Micronesia, and Polynesia. When used with 95 in "B", may also include adjacent parts of SE Asia and the Far East.

290 SOUTH SANDWICH ISLANDS
57 S Lat, 26 W Long

- 1 Bristol
- 2 Candlemas I.

A

291 SOUTH SHETLAND ISLANDS
64 S Lat, 60 W Long

292 SOUTHERN RHODESIA

- * SOUTH-WEST AFRICA
Indexed as British South-West
Africa, 56

293 SOVIET CENTRAL ASIA
Indexed as separate geographic
divisions. Inclusive title, to
be used only when the separate
divisions are not cited. Geo-
graphic divisions, as used in the
literature, include: Kazakh S.S.R.,
Kirghiz S.S.R., Tadzhik S.S.R.,
Turkmen S.S.R., and Uzbek S.S.R.

B

South Sandwich Islands

- 3 Leskov I.
- 4 Montagu
- 5 Saunders
- 6 South Thule I.
- 7 Traversey Is.

- 1 Adelaide I.
- 2 Anvers or Antwerp Is.
- 3 Biscoe Is.
- 4 Brabant I.
- 5 Clarence I.
- 6 Deception I.
- 7 Elephant I.
- 8 Joinville I.
- 9 King George I.
- 10 Livingston I.
- 11 Palmer Peninsula
- 12 Robertson I.
- 13 Ross I.
- 14 Smith I.
- 15 Snow Hill I.
- 16 Victor Hugo I.

- 1 Banyai
- 2 Mashonaland
- 3 Matabeleland

E

294 SOVIET UNION OR U.S.S.R.

Indexed as separate geographic divisions. Inclusive title, to be used only when the separate divisions are not cited. Geographic divisions, as used in the literature, include:

Armenian S.S.R.

Azerbaijdzhan S.S.R.

Byelorussian S.S.R. or White Russian S.S.R.

Estonia^x

Georgian S.S.R.

Kazakh S.S.R. or Turkestan

Kirghiz S.S.R.

Latvia^x

Lithuania^x

Moldavian S.S.R.

Russian Soviet Federated Socialist Republic

Tadzhik S.S.R.

Turkmen S.S.R.

Ukranian S.S.R.

Uzbek S.S.R.

^x The United States Government does not recognize the incorporation of these countries into the Soviet Union.

295 SPAIN

- 1 Álava
- 2 Albacete
- 3 Alicante
- 4 Almería
- 5 Avila
- 6 Badajoz
- 7 Barcelona
- 8 Burgos
- 9 Cáceres
- 10 Cádiz
- 11 Castellón de la Plana
- 12 Ciudad-Real
- 13 Córdoba
- 14 La Coruña
- 15 Cuenca
- 16 Gerona
- 17 Granada
- 18 Guadalajara
- 19 Guipúzcoa
- 20 Huelva

A

B

Spain

- 21 Huesca
- 22 Jaén
- 23 León
- 24 Lérida
- 25 Logrono
- 26 Lugo
- 27 Madrid
- 28 Málaga
- 29 Murcia
- 30 Navarra
- 31 Orense
- 32 Oviedo
- 33 Palencia
- 34 Pontevedra
- 35 Salamanca
- 36 Santander
- 37 Segovia
- 38 Sevilla
- 39 Soria
- 40 Tarragona
- 41 Teruel
- 42 Toledo
- 43 Valencia
- 44 Valladolid
- 45 Vizcaya
- 46 Zamora
- 47 Zaragoza
- 48 Andalucía (region)
- 49 Aragón (region)
- 50 Asturias (region)
- 51 Castilla La Vieja or Old
Castille (region)
- 52 Castilla Nueva or New
Castille (region)
- 53 Cataluña or Catalonia
(region)
- 54 Extremadura or Extremadura
(region)
- 55 Galicia (region)
- 56 León (region)
- 57 Murcia (region)
- 58 Valencia (region)
- 59 Vascongadas (region)

* SPANISH GUINEA OR RÍO MUNI
Indexed as Rio Muni, 254

<u>A</u>	<u>B</u>
253 SPANISH SAHARA	
	1 Saguia el Hamra or Sekia el Hamra (formerly)
	2
	3 Rio de Oro (formerly)
296 SPITSBERGEN AND ADJACENT ISLANDS OR SVALBARD 79 N Lat, 20 E Long	
	1 Barents Land
	2 Edge I.
	3 Hope I.
	4 King Karl's Land
	5 North East Land
	6 Prince Charles Foreland
	7 West Spitsbergen or Mainland
* STARBUCK ISLAND Indexed with Line Islands, 179	
* SUDAN Indexed as Anglo-Egyptian Sudan (formerly), 13	
* SUMATRA Indexed as Indonesia (Sumatra), 149	
* SUMISU-JIMA ISLAND Indexed with Nampô-Shotô, 215	
297 SURTNAM OR NETHERLANDS GUIANA 5 N Lat, 55 W Long	
* SVALBARD Indexed as Spitsbergen and adjacent islands, 296	
298 SVERDRUP ISLANDS 75 N Lat, 79 E Long	
299 SWAZILAND 27 S Lat 31 E Long	
300 SWEDEN	
	1 Avlsborg
	2 Blekinge
	3 Gotland

A

B

Sweden

- 4 Gavleborg
- 5 Göteborg och Bohus
- 6 Halland
- 7 Jämtland
- 8 Jönköping
- 9 Kalmar
- 10 Kopparberg
- 11 Kristianstad
- 12 Kronoberg
- 13 Malmöhus
- 14 Norrbotten
- 15 Skaraborg
- 16 Södermanland
- 17 Stockholm
- 18 Uppsala
- 19 Värmland
- 20 Västerbotten
- 21 Västernorrland
- 22 Västmanland
- 23 Öland
- 24 Örebro
- 25 Östergötland

301 SWITZERLAND

- 1 Aargau
- 2 Appenzell (Inner Rhoden
and Ausser Rhoden)
- 4 Basel (Baselland and
Baselstadt)
- 6 Bern
- 7 Fribourg
- 8 Genève
- 9 Glarus
- 10 Graubünden
- 11 Luzern
- 12 Neuchâtel
- 14 Schaffhausen
- 15 Schwyz
- 16 Solothurn
- 17 Sankt Gallen
- 18 Thurgau
- 19 Ticino
- 20 Unterwalden (Niderwalden
and Obwalden)
- 21 Uri
- 22 Valais

A

302 SYRIA

303 TADZHIK S.S.R.

* TAHITI

Indexed with Society Islands, 281

* TAIWAN OR FORMOSA, 77

304 TANGANYIKA TERRITORY

* TANGIER ZONE

Indexed with Morocco, 211

* TASMANIA

Indexed with Australia, 32

* TCHAD OR CHAD

Indexed as Chad, 71

B

Switzerland

23 Vaud
24 Zug
25 Zürich

1 Aleppo or Haleb
2 Damascus or Dimishq
3 Druze
4 Euphrates or El Furat
5 Hama
6 Hauran
7 Homs
8 Jezireh
9 Latakia or El Ladhioiya
10 Island of Rouad

1 Garm
2 Gorno-Badakhshan Autonomous
Region
3 Kulyab
4 Leninabad
5 Stalinabad

1 North West Tanganyika
2 North East Tanganyika
3 South West Tanganyika
4 South East Tanganyika
quartered on 5 S Lat,
35 E Long as center

AB

305 TERRE ADELIE OR ADELIE COAST
68 S Lat, 140 E Long

* THAILAND OR SIAM
Indexed as Siam, 277

306 THOMPSON ISLAND
53 S Lat, 3 E Long

* TIBET
Indexed with China 76

* TIMOR
Indexed with Indonesia (Java,
Flores, Timor), 146

* TOBAGO
Indexed with Venezuela Coastal
Islands, 329

307 TOGO
8 N Lat, 1 E Long

* TOGOLAND (formerly British Trust
Territory)
Indexed with Ghana, 123

308 TOKELAU ISLANDS OR UNION ISLANDS
9 S Lat, 172 W Long

1 Atafu
2 Fakaofo
3 Nuku Nono

* TONGA ISLANDS OR FRIENDLY ISLANDS
Indexed as Friendly Islands, 114

* TONGAREVA ISLAND
Indexed with Manihiki Islands, 195

* TONKIN (now part of Viet-Nam)
Indexed with Indochina, 144

345 TRANSCAUCASIA OR CAUCASUS
[Former geographic divisions for
Transcaucasia included: Georgian
S.S.R., Armenian S.S.R., and
Azerbaijhan S.S.R. "Caucasus"
actually refers to a larger area.]

A

- * TRANS-JORDAN (formerly)
Indexed as Jordan, Hashimite
Kingdom, 159

309 TRANSVAAL
25 S Lat, 30 E Long

310

- * TRINIDAD AND TOBAGO
Indexed with Venezuela Coastal
Islands, 329

311 TRINIDAD ISLAND OR TRINIDADE OR
ILHA DE TRINIDADA
20 S Lat, 29 W Long

312 TRISTAN DA CUNHA ISLANDS
36 S Lat, 11 W Long

313 TRUCIAL SHEIKHDOMS OR TRUCIAL OMAN
24 N Lat, 54 E Long

- * TRUK ISLANDS
Indexed with Caroline Islands, 66

314 TUAMOTU ARCHIPELAGO OR LOW ARCHIPELAGO
18 S Lat, 140 W Long

B

- 1 Martim Vaz
- 2 Trinidad

- 1 Gough I. or Diego Alvarez
- 2 Inaccessible I.
- 3 Nightingale I.
- 4 Tristan da Cunha

- 1 Ahunui
- 2 Angatau
- 3 Anou Anouroro
- 4 Anou Anourounoa
- 5 Apataki
- 6 Aroutona
- 7 Ducie I.
- 8 Faaite
- 9 Fahaiaa
- 10 Fakarava
- 11 Gambier or Iles Gambier
- 12 Hao
- 13 Henderson I.
- 14 Hereheretue or St. Paul

A

B

Tuamotu Archipelago

- 15 Katiu
- 16 Kaukura
- 17 Kayehi
- 18 Makatea
- 19 Makemo
- 20 Mangareva
- 21 Manuhangi
- 22 Maria
- 23 Marutea (Furneaux) 17 S Lat,
143.25 W Long
- 24 Marutea 21.30 S Lat,
135.40 W Long
- 25 Matahiva
- 26 Matures-Vavao
- 27 Morane
- 28 Mururea
- 29 Napuka
- 30 Nengo Nengo
- 31 Nukunutipipi
- 32 Oeno I.
- 33 Paraoa
- 34 Pinaki
- 35 Pitcairn I.
- 36 Pukapu a I.
- 37 Poukarouha
- 38 Rangiroa
- 39 Raroia
- 40 Rara a
- 41 Reao
- 42 Rikitea
- 43 Taonga
- 44 Tuhanea
- 45 Tautume
- 46 Taucro
- 47 Tatafotu
- 48 Tenararo
- 49 Tepoto
- 50 Tikehau
- 51 Toau
- 52 Tourcia
- 53 Vairaatea
- 54 Vanuaona

315 TUBUAI ISLANDS OR ILE TUBUAI OR
AUSTRAL ISLANDS
23 S Lat, 150 W Long

- 1 Lancaster Reef
- 2 Marotiri or Ilots de Bass

A

316 TUNISIA
34 N Lat, 10 E Long

* TURKESTAN OR KAZAKH S.S.R.
Indexed as Kazakh S.S.R., 162

317 TURKEY

B

Tubuai Islands

3 Moses Reef
4 President Thiers
5 Raivavae
6 Rapa
7 Rimatara
8 Rurutu
9 Tubuai

1 Afyon
2 Agri
3 Amasya
4 Ankara
5 Antakya
6 Aydin
7 Balikesir
8 Bilecik
9 Bingol
10 Bitlis
11 Bolu
12 Burdur
13 Bursa
14 Canakkale
15 Cankiri
Cilicia, 65
16 Coruh
17 Corum
18 Denizli
19 Diyarbakir
20 Edirne
21 Elazig
22 Erzincan
23 Erzurum
24 Eskisehir
25 Gaziantep
26 Giresun
27 Gumusane
28 Hakkari
29 Hatay
30 Icel

A

B

Turkey

31 Isparta
32 Istanbul
33 Izmir
34 Kars
35 Kastamonu
36 Kayseri
37 Kirklareli
38 Kirsehir
39 Kocaeli
40 Konya
41 Kütahya
42 Malatya
43 Manisa
44 Maras
45 Mardin
46 Mugla
47 Mus
48 Nigde
49 Ordu
50 Rize
51 Samsun
52 Seyhan
53 Siirt
54 Sinop
55 Sivas
56 Tekirdag
57 Tokat
58 Trabzon
59 Tunceli
60 Urfa
61 Van
62 Yozgot
63 Zonguldak
65 Cilicia

318 TURKMEN S.S.R.

1 Ashkhabad
2 Charzhou
3 Marysk
4 Tashauz

* TURKS AND CAICOS ISLANDS

Indexed with Antilles, Greater (Bahamas), 17. A political unit, administered by the Colony of Jamaica, whose associated parts have been indexed separately as geographic divisions.

A

319 UBANGI-SHARI (formerly), now
CENTRAL AFRICAN REPUBLIC

320 UGANDA

1 N Lat, 33 E Long

321 UKRANIAN S.S.R.

B

- 1 Buganda
- 2 Lake Victoria Is.
- 3 Masaka
- 4 Mengo District
- 5 Mubende
- 6 Eastern
- 7 Busoga District
- 8 Mbale
- 9 Teso
- 10 Northern
- 11 Acholi
- 12 Karamoja
- 13 Lango
- 14 West Nile
- 15 Western
- 16 Ankole
- 17 Bunyoro
- 18 Kigezi
- 19 Toro
- 20 Entebbe

- 1 Chernigov
- 2 Chernovitzky
- 3 Dniepropetrovsk or
Ekaterinoslav
- 4 Drogobych
- 5 Izmail
- 6 Kamenetz-Podolsk
- 7 Kharkov
- 8 Kherson
- 9 Kiev
- 10 Kirovogradsk
- 11 Lvov
- 12 Nicolaievsk or Nikolaev
- 13 Odessa
- 14 Poltava
- 15 Rovno
- 16 Stalino
- 17 Stanislav
- 18 Sumy
- 19 Ternopol
- 20 Vinnitza

A

B

Ukranian S.S.R.

- 21 Volhynia or Volyn
- 22 Voroshilovgrad
- 23 Zakarpatsk or
Transcarpathia
- 24 Zaporozhe
- 25 Zhitomir

* UNION ISLANDS OR TOKELAU ISLANDS
Indexed as Tokelau Is., 308

322 UNION OF SOUTH AFRICA (formerly, now
REPUBLIC OF SOUTH AFRICA)
Indexed as separate geographic di-
visions. Inclusive title, to be
used only when the separate divi-
sions are not cited. Geographic
divisions include: Cape of Good
Hope, Natal, Orange Free State,
and Transvaal.

* UNION OF SOVIET SOCIALIST REPUBLICS
OR SOVIET UNION
Indexed as Soviet Union, 294

* UNITED ARAB REPUBLIC
Indexed as Egypt, 96

323 UNITED STATES OF AMERICA
Regions or sections of the U.S.
are underscored.

- 1 East South Central
- 2 Alabama
- 3 Kentucky
- 4 Mississippi
- 5 Tennessee
- 6 Middle Atlantic
- 10 New Jersey
- 11 New York
- 13 Pennsylvania
- 15 Mountain
- 16 Arizona
- 17 Colorado
- 18 Idaho
- 19 Montana
- 20 Nevada
- 21 New Mexico
- 22 Utah
- 23 Wyoming
- 24 New England

A

B

United States of America

25	Connecticut
26	Maine
27	Massachusetts
28	New Hampshire
29	Rhode Island
30	Vermont
31	<u>Pacific</u>
32	California
33	Oregon
34	Washington
35	<u>South Atlantic</u>
36	Delaware
37	Washington, D.C.
38	Florida
39	Georgia
40	Maryland
41	North Carolina
42	South Carolina
43	Virginia
44	West Virginia
45	<u>West North Central</u>
46	Iowa
47	Kansas
48	Minnesota
49	Missouri
50	Nebraska
51	North Dakota
52	South Dakota
53	<u>West South Central</u>
54	Arkansas
55	Louisiana
56	Oklahoma
57	Texas
58	<u>East North Central</u>
59	Illinois
60	Indiana
61	Michigan
62	Ohio
63	Wisconsin

NOTE: Alaska (5) and Hawaii (134)
are indexed separately in alpha-
betical order in this code.

324 UPPER VOLTA
12 N Lat, 2 W Long

A

325 URUGUAY

B

- 1 Artigas
- 2 Canelones
- 3 Cerro Largo
- 4 Colonia
- 5 Durazno
- 6 Flores
- 7 Florida
- 8 Lavelleja
- 9 Maldonado
- 10 Montevideo
- 11 Paysandú
- 12 Rio Negro
- 13 Rivera
- 14 Rocha
- 15 Salto
- 16 San José
- 17 Soriano
- 18 Tacuarembó
- 19 Treinta y Tres

326 UZBEK S.S.R.

- 1 Andizhan
- 2 Bokhara
- 3 Ferghana
- 4 Kashka-Darya
- 5 Khorezm
- 6 Namangan
- 7 Samarkand
- 8 Surkhan-Darya
- 9 Tashkent
- 10 Kara-Kalpak Autonomous S.S.R.

327 VANCOUVER ISLAND

50 N Lat, 125 W Long

* VAN DIEMEN'S LAND or TASMANIA
Indexed with Australia, 32

* VATICAN CITY
Indexed with Italy, 155
Political entity not used in
geographic breakdown.

328 VENEZUELA

- 1 Anzoátegui
- 2 Apure
- 3 Aragua

A

B

Venezuela

- 4 Barinas or Zamora
- 5 Bolívar
- 6 Carabobo
- 7 Cojedes
- 8 Falcón
- 9 Guárico
- 10 Lara
- 11 Mérida
- 12 Miranda
- 13 Monagas
- 14 Nueva Esparta
- 15 Portuguesa
- 16 Sucre
- 17 Táchira
- 18 Trujillo
- 19 Yaracuy
- 20 Zulia
- 21 Ter. Amazonas Delta
- 22 Ter. Amacuro Delta
- 23 Federal District

329 VENEZUELA COASTAL ISLANDS

- 1 Aruba
- 2 Bonaire
- 3 Coche
- 4 Cuaquesa
- 5 Curaçao
- 6 Is. Las Aves
- 7 Is. Los Roques
- 8 La Blanquilla
- 9 La Orchila
- 10 La Tortuga
- 11 Los Hermanos
- 12 Los Testigos
- 13 Tobago
- 14 Trinidad

* VERDE ISLANDS OR CAPE VERDE ISLANDS
Indexed as Cape Verde Islands, 65

* VIET-NAM
Indexed as Indochina, 144

* VIRGIN ISLANDS
Indexed as Antilles, Lesser
(Virgin Islands), 23

A

B

- * VOLCANO Islands
Indexed with Ogasawara Gunto, 232
- * VOSTOK ISLAND
Indexed with Manihiki Islands, 195
- 330 WAKE ISLAND
19 N Lat, 166 E Long
- 331 WALES
 - 1 Anglesey
 - 2 Brecknockshire
 - 3 Cardiganshire
 - 4 Carmarthenshire
 - 5 Caernarvonshire
 - 6 Denbighshire
 - 7 Flintshire
 - 8 Glamorganshire
 - 9 Merionethshire
 - 10 Montgomeryshire
 - 11 Pembrokeshire
 - 12 Radnorshire
- * WALLIS ARCHIPELAGO
Indexed as separate islands with
Hoorn and Surrounding Islands, 1.
- * WALVIS BAY
Indexed with British Southwest
Africa, 56
- 346 WEST INDIES
Geographic divisions which are
indexed in this code as: Antilles,
Greater, or Antilles, Lesser, in-
clude the following: West Indies
(British, Danish, French,
Netherlands and U.S.) and the in-
dependent republics; also asso-
ciated islands off the coast of
Venezuela, which are indexed with
Venezuela Coastal Islands.
- * WHITE ISLAND OR BELY ISLAND
Indexed as Bely Island, 46
- * WHITE RUSSIA S.S.R. OR BYELORUSSIAN S.S.R.
Indexed as Byelorussian S.S.R., 60

A

B

- * WINDWARD ISLANDS
Indexed with Antilles, Lesser, 24
- * WOODLE ISLAND (KURIA)
Indexed with Gilbert Islands, 121
- * WRANGELL ISLAND
Indexed with Bering Sea Islands, 47
- * YAP
Indexed with Caroline Islands, 66
- 332 YEMEN
15 N Lat, 44 E Long
- 333 YUGOSLAVIA
 - 1 Bosnia and Hercegovina
 - 2 Croatia or Istria or Dalmatia
 - 3 Macedonia
 - 5 Montenegro
 - 6 Serbia with Vojvodina, Kosovo and Metachia
 - 7 Brioni or Island of the Dead
 - 8 Slovenia
- 334 ZANZIBAR PROTECTORATE
6 S Lat, 40 W Long
 - 1 Adjacent small islands
 - 2 Pemba
 - 3 Zanzibar
- * ZULULAND
Included with Natal, 216
- 335 SAINT PAUL ROCKS
0.58 N Lat, 29.15 W Long



Conventional World Faunal Regions, after Wallace, slightly modified

"C" Section

"C" Section of the card: World faunal regions

This Section is used to code the total extent of the range of the arthropod species coded in Section "G" and "H", if known, and regardless of how large a part of that range is treated in the reference. (The geographical area covered by the reference is indicated by Sections "A" and "B".) This Section may be left unpunched if range is not known.

WORLD FAUNAL REGIONS CODE
(See map, Figure 3)

Code numbers are assigned to the following faunal regions or areas used in the literature. Names written in capital letters are those which appear on the map, Figure 3, which is based on the widely used regionalization as delineated by Wallace in 1876. Names in lower case letters are other terms appearing in the literature. The grouping of certain regions in the code is for convenience in using the literature.

These regions represent the total range of species, not just the geographical area covered by a particular reference (the latter is indicated in "A" and "B" Sections of the Geographic Index). Section "C" may be left unpunched, if the range is not known.

<u>Region</u>	<u>Code number</u>	<u>Punch</u>	<u>Drop</u>
PALEARCTIC	1	1	
ORIENTAL	1 _d		1
NEARCTIC	2	2	
AUSTRALIAN	2 _d		2
Holarctic	3	1,2	
ORIENTAL & AUSTRALIAN	3 _d		1,2
NEOTROPICAL	4	4	
PALEARCTIC & NEOTROPICAL	5	4,1	
Western Hemisphere	6	4,2	
W. Hemisphere & AUSTRALIAN	6 _d	4	2
ETHIOPIAN	7	7	
Holarctic & NEOTROPICAL	(7)	4,2,1	
Eastern Hemisphere	8	7,1	
ETHIOPIAN & ORIENTAL	8 _d	7	1
Pantropical	9	7,2	
Cosmopolitan	10	7,2,1	

PART III

SUBJECT MATTER INDEX

(See Figures 1c and 1d)

This part includes the codes used for subject matter.

For a complete list of Sections and the location of each Section, see the Contents at the beginning of this report.

"D" Section

"D" Section of the card: Seasonal activity

This Section is used to index the information about the season of activity of arthropods. The season of activity, as used here, refers only to that portion of the life cycle during which the arthropod transmits disease. This Section is never left blank.

In the code "spring" refers to the period March through May, "summer" June through August, "fall" September through November, and "winter" December through February, regardless of the geographical location of the area concerned. (In the Southern Hemisphere, of course, the seasons are actually reversed from this classification.)

SECTION D

Seasonal Activity

- 1 No mention of seasonal activity
- 2 Seasonal activity indicated, but reference is not specific enough
for it to be indexed
- 3 Fluctuations of activity and/or abundance indicated, but this may
not be seasonal in nature
- 4
- 5
- 6
- 7
- 8
- 9
- 10 Active all year (not seasonal)
- 11 Active all year but abundance varies
- 12 Only slight change of activity with season
- 13
- 14
- 15
- 16
- 17
- 18
- 19
- 20
- 21
- 22
- 23 Present and/or active in only one season
- 24 Active only in spring
- 25 " " " summer
- 26 " " " fall
- 27 " " " winter
- 28 " " " dry season
- 29 " " " wet season
- 30
- 31 Activity peak in, but activity not limited to spring
- 31 " " " " " " " " summer
- 32 " " " " " " " " fall
- 33 " " " " " " " " winter
- 34 " " " " " " " " dry season
- 36 " " " " " " " " wet season [include
all cases where peak is the result of the wet season, even though
delayed somewhat beyond the end of the rainy season proper]
- 37
- 38

39
 40 More than one activity peak per year
 41 Peaks in spring and summer
 42 " " spring and fall
 43 " " spring and winter
 44 " " summer and fall
 45 " " summer and winter
 46 " " fall and winter
 47 Two peaks, associated with beginning and end of wet season
 48
 49
 50 More than 2 activity peaks per year
 51
 52
 53
 54
 55
 56
 57
 58
 59
 60 Peaks cyclic, not on yearly basis
 61
 62
 63
 64
 65 Periods of abundance irregular, occur under special conditions
 66
 67
 68
 69
 70 Specific dates of occurrence listed, but cannot be interpreted as
 full season of occurrence
 71
 72 Time of occurrence listed. See abstract on Keysort card for
 multiple species
 73
 74
 75
 76
 77
 78
 79
 80 Occurrence listed by months
 81 Activity period less than 3 months per year
 82 Activity period 3-6 months per year
 83 Activity period 6-9 months per year
 84
 85
 86
 87

88
89
90
91
92
93
94
95
96
97
98
99

"Months Activity" Stamp

"Months Activity" Stamp (See Figure 1e)

Where the information on seasonal activity is sufficiently specific in the reference, a stamp showing graphically the months of activity of the arthropod is placed on the punch card adjacent to Section "D".

The following symbols are used in the "Months Activity" stamp to show extent and degree of activity:

..... Indicates presence, but only occasional activity

———— Indicates continuous activity

===== Indicates a peak of activity

? (Placed at right end of stamp) indicates that the activity shown may be only part of the total activity period of the species, but that information about parts of the year other than those indicated is not given. In all such cases, number 70 is entered in Section "D".

"E" and "F" Sections

"E" and "F" Sections of the card: Disease organisms and disease vectors

These Sections are used to index information about diseases borne by, or involving arthropods and the disease vectors. The two Sections allow indexing of either: (1) two diseases (one coded in "E", the other coded in "F"), or (2) one disease (coded in "E") and some additional information about the relationship of the vector to that disease (coded in "F").

Numbers are assigned as follows:

- 1-5 General relationships of the arthropod to disease
- 6-69 Etiologic agents
- 70-79 Effects of arthropod on the vertebrate host
- 80-99 Type of evidence concerning disease transmission by the arthropod

"E" Section: This Section is never left blank. If the reference gives no information on disease, number 4 is punched. No other numbers with number 4 in the units are used: thus by needing for number 4 all references in which some information about disease is given may be separated. Any of the numbers from 1-99 may be punched in this Section, but numbers 80-99 are very rarely used in Section "E".

"F" Section: This Section may be left blank. Numbers 1-5 are very rarely used in this Section. Numbers 80-99, when applicable, are punched in "F".

If two diseases are indexed, the higher number is punched in "F" Section, the lower number in "E".

CODE FOR DISEASES INVOLVING ARTHROPODS

- 1 Pestiferous, arthropod causes little physical damage, but is a serious enough annoyance to adversely affect the well-being of man or domestic animals. Reference does not implicate arthropod in disease transmission
- 2 Shown to bite humans
- 3 Vector of disease of unknown etiology
- 4 Reference gives no information at all on disease
- 5 Information on more than two diseases or disease organisms
- 6
- 7 Fungi
- 8 Fungus diseases of skin
- 9 Fungus diseases of deep tissues
- 10 Virus
- 11 Virus causing general systemic infection
- 12 Virus causing gastro-intestinal infection
- 13 Virus causing nervous-system infection
- 14
- 15 Rickettsias
- 16 Rickettsias causing general systemic infection
- 17 Bartonellas
- 18 Bartonellas causing general systemic infection
- 19
- 20 Spirochaetes
- 21 Spirochaetes causing general systemic infection
- 22
- 23
- 24
- 25 Bacteria
- 26 Bacteria causing general systemic infection
- 27 Bacteria causing gastro-intestinal infection
- 28
- 29
- 30 Protozoa
- 31 Intestinal Protozoa
- 32 " Sarcodina
- 33 " Mastigophora
- 34
- 35 " Sporozoa
- 36 " Ciliata
- 37
- 38
- 39

40 Blood-inhabiting Protozoa
 41 " " Mastigophora
 42 " " Sporozoa
 43
 44
 45 Tissue Protozoa (Leishmania etc.)
 46
 47
 48 Muscle-tissue Sarcosporidia
 49
 50 Cestodes
 51 " adult stages in humans
 52 " bladder-worm stages in humans
 53 " bladder-worm stages in arthropods
 54
 55 Nematodes
 56 " of digestive tract and excretory system
 57 " of lungs and/or heart muscle
 58 " of skin and subcutaneous tissues
 59 " of circulatory system, adult stages in blood vessels or
 lymphatics
 60
 61
 62 Trematodes
 63
 64
 65 Gordiacea
 66
 67 Acanthocephala
 68 Helminthes
 69
 70 Causative agent (arthropod) of infection or disease
 71
 72 Causative agent (arthropod) of skin and subcutaneous infection
 73 Causative agent (arthropod) of deep tissue and muscle infection
 74
 75 Causative agent (arthropod) of digestive and respiratory-tract
 infection, mucosal areas
 76
 77 Causative agent (arthropod) of nervous-system damage
 78 Causative agent (arthropod) of general systemic damage or death
 79 Causative agent (arthropod) of allergic reactions
 80
 81 Normally does not bite man
 82
 83 Suspected vector, but disease present when vector is absent
 84
 85
 86

- 87 Developmental or reservoir host, biting not involved in transmission
88
89
90 Vectors, general discussion; review of different vectors
91 Suspected vector(s), experimentally not capable of transmission or
infection
92 Suspected vector(s), no additional information in reference
93 Known to be vector, but disease not present in area
94
95 Known to be vector
96 Closely related and similar to known vector
97 Known to carry organism in nature
98 Experimentally capable of transmission or becoming infected
99 Suspected of being possible vector because of availability or other
general reason

"G" and "H" Sections

"G" and "H" Sections of the card: Genus and Species (or Taxonomic Index)

These two Sections are used to index the genus and species respectively of the forms being considered.

More than one genus. If the reference mentions more than one genus or refers to the arthropods by a group name, Code I-2 in Section "I" should be used.

"G" Section: This Section is used to index alphabetically the genus referred to in the paper being indexed. If more than one genus is involved, or if there is no reference to a particular arthropod (i.e., only a group), this Section is left blank. The generic name is written in this Section of the card for ease of reference (see sample card, Figure 1e). A 299-subdivision alphabetical code is used to index the generic names.

"H" Section: This Section is used to index alphabetically the trivial name of the species, or to indicate that an arthropod group is indexed in Section "I".

If used to index a species, the trivial name indexed is written in this Section of the card (see sample card, Figure 1e) for ease of reference.

If the paper refers to more than one species, or if Section "G" has been left blank, "H" Section is also left blank.

If "H" Section is used to indicate that an arthropod group is indexed in Section "I", hole number 1 and the unnumbered hole below it are punched. The unnumbered hole (drop 1, units field) is never punched if a generic name has been entered in "G".

A 299-subdivision alphabetical code is used to index the species or trivial names.

Duplicate "species" cards. Duplicate cards are sometimes made for each species discussed in the reference if there is especially useful information about each one. For such references the abstract is usually placed on one card only, referred to as the "Master Card." The duplicate cards will then bear a cross reference note of the form "Master Card is indexed as /". Such duplicate cards are usually indexed by genus or species or arthropod group under which it is indexed taxonomically. If the master card may be more easily located by some other index numbers, the cross reference may be to a heading in some Section other than "G", "H", or "I".

SECTION G - GENUS

Generic Name Alphabetical Code

Aa	1	Cha	44	Gaa	87	Jam	130
Ad	2	Che	45	Gal	88	Jer	131
Aedi	3	Chi	46	Gar	89	Joa	132
Ala	4	Chr	47	Gea	90	Jon	133
All	5	Cl	48	Ger	91	Jor	134
Am	6	Cla	49	Gi	92	Kaa	135
Ana	7	Cle	50	Glossina	93	Kam	136
Anopheles	8	Coa	51	Glu	94	Kat	137
Anophi	9	Col	52	Goo	95	Kea	138
At	10	Con	53	Gor	96	Kel	139
Eaa	11	Coo	54	Gra	97	Kem	140
Bai	12	Cor	55	Gre	98	Ker	141
Bal	13	Cr	56	Gri	99	Kia	142
Bara	14	Culex	57	Gu	100	Kin	143
Barr	15	Culi	58	Haema	101	Kl	144
Bat	16	Culid	59	Haeman	102	Kn	145
Bea	17	Da	60	Haemap	103	Koa	146
Bed	18	Dea	61	Haemat	104	Kol	147
Bel	19	Del	62	Haemato	105	Kra	148
Ben	20	Der	63	Haematom	106	Kro	149
Ber	21	Dia	64	Haematop	107	Ku	150
Bern	22	Dil	65	Haematop	108	Laa	151
Bi	23	Doa	66	Hal	109	Lal	152
Bla	24	Don	67	Hea	110	Lan	153
Bli	25	Dr	68	Hei	111	Lar	154
Boa	26	Du	69	Hen	112	Lea	155
Boe	27	Ec	70	Her	113	Lei	156
Bor	28	Echido	71	Hes	114	Les	157
Bra	29	El	72	Hia	115	Lia	158
Bre	30	Em	73	Hill	116	Lin	159
Bro	31	Er	74	Hoa	117	Loa	160
Brown	32	Et	75	Hoff	118	Lon	161
Bru	33	Faa	76	Hol	119	Lu	162
Bua	34	Far	77	Hom	120	Maa	163
Bura	35	Fe	78	Hor	121	Mag	164
Burl	36	Fia	79	Hov	122	Man	165
Buz	37	Fis	80	Hua	123	Mara	166
Ca	38	Fl	81	Hum	124	Mars	167
Ca	39	Foa	82	Hur	125	Mas	168
Cam	40	Fos	83	Ia	126	McA	169
Car	41	Fra	84	In	127	McD	170
Cas	42	Fre	85	Jaa	128	McK	171
Ce	43	Fro	86	Jacob	129	Mea	172

Mer	173	Pel	205	Schu	237	Tu	269
Mes	174	Pet	206	Schw	238	Ua	270
Mey	175	Phl	207	Sci	239	Un	271
Mia	176	Pho	208	Sea	240	Va	272
Mill	177	Pl	209	Sel	241	Ve	273
Miller	178	Poa	210	Sha	242	Vl	274
Min	179	Por	211	She	243	Vo	275
Moa	180	Psa	212	Si	244	Waa	276
Mon	181	Pu-q	213	Sil	245	Wala	277
Mor	182	Raa	214	Sim	246	Wals	278
Mua	183	Ran	215	Sin	247	War	279
Mul	184	Rea	216	Sm	248	Wat	280
Mur	185	Rei	217	Smo	249	Wea	281
Musca	186	Rhip	218	So	250	Weg	282
Mut	187	Rhiq	219	Sp	251	Wei	283
Na	188	Rie	220	Staa	252	Wel	284
Nea	189	Roa	221	Star	253	Wes	285
Nel	190	Rog	222	Steg	254	Wha	286
Nem	191	Ros	223	Sten	255	Whi	287
Ni	192	Rua	224	Sto	256	Wia	288
Noa	193	Rus	225	Str	257	Wila	289
Nor	194	Saa	226	Su	258	Will	290
Nu	195	Saint	227	Syn	259	Wilm	291
Oa	196	Sam	228	Tab	260	Win	292
O'B	197	Sar	229	Tae	261	Wir	293
O'H	198	Sc	230	Tar	262	Woe	294
Ol	199	Sche	231	Th	263	Woll	295
Ornithod	200	Schi	232	Thomp	264	Woo	296
Os	201	Schm	233	Ti	265	Wr	297
Par	202	Schn	234	To	266	X-Y	298
Pas	203	Scho	235	Tria	267	Z	299
Pea	204	Schr	236	Tric	268		

'H' Section

"G" and "H" Sections of the card: Genus and Species (continued)

NOTE: See the page immediately preceding "G" code, for explanatory notes which apply to this Section.

SECTION H -- GENUS

Trivial Name Alphabetical Code

Aa	1	Cha	44	Gaa	87	Jam	130
Ad	2	Che	45	Gal	88	Jer	131
Ag	3	Chi	46	Gar	89	Joa	132
Ala	4	Chr	47	Gea	90	Jon	133
All	5	Ci	48	Ger	91	Jor	134
Am	6	Cla	49	Gi	92	Kaa	135
Ana	7	Cle	50	Gl	93	Kam	136
Ang	8	Coa	51	Goa	94	Kat	137
Ar	9	Col	52	Goo	95	Kea	138
At	10	Con	53	Gor	96	Kel	139
Baa	11	Coo	54	Gra	97	Kem	140
Bai	12	Cor	55	Gre	98	Ker	141
Bal	13	Cr	56	Gri	99	Kia	142
Bara	14	Cu	57	Gu	100	Kin	143
Barr	15	Daa	58	Haa	101	Kl	144
Bat	16	Dam	59	Hag	102	Kn	145
Bea	17	Dav	60	Hal	103	Koa	146
Bed	18	Dea	61	Ham	104	Kol	147
Bel	19	Del	62	Han	105	Kra	148
Ben	20	Der	63	Hara	106	Kro	149
Ber	21	Dia	64	Hart	107	Ku	150
Bern	22	Dil	65	Haw	108	Laa	151
Bi	23	Doa	66	Hea	109	Lal	152
Bla	24	Don	67	Hei	110	Lan	153
Bl	25	Dr	68	Hel	111	Lar	154
Boa	26	Du	69	Hen	112	Lea	155
Boc	27	Ea	70	Her	113	Lei	156
Bor	28	Ed	71	Hes	114	Les	157
Bra	29	El	72	Hia	115	Lia	158
Bre	30	Em	73	Hill	116	Lin	159
Brc	31	Er	74	Hoa	117	Loa	160
Brown	32	Et	75	Hoff	118	Lon	161
Bru	33	Faa	76	Hol	119	Lu	162
Buz	34	Far	77	Hom	120	Maa	163
Bura	35	Fe	78	Hor	121	Mag	164
Burl	36	Fia	79	How	122	Man	165
Bus	37	Fis	80	Hua	123	Mara	166
Ca	38	Fl	81	Hum	124	Mars	167
Cal	39	Foa	82	Hur	125	Mas	168
Cam	40	Fos	83	Ia	126	McA	169
Car	41	Fra	84	In	127	McD	170
Cas	42	Fre	85	Jaa	128	McK	171
Ce	43	Fro	86	Jacob	129	Mea	172

Mer	173	Pen	205	Schu	237	Tu	269
Mcs	174	Pet	206	Schw	238	Ua	270
Mey	175	Pf	207	Sci	239	Un	271
Mia	176	Pi	208	Sea	240	Va	272
Mil	177	Pl	209	Sel	241	Ve	273
Miller	178	Poa	210	Sha	242	Vi	274
Min	179	Por	211	She	243	Vo	275
Moa	180	Pu	212	Shi	244	Waa	276
Mon	181	Q	213	Sia	245	Wala	277
Mor	182	Raa	214	Sil	246	Wals	278
Mua	183	Ran	215	Sk	247	War	279
Mul	184	Rea	216	Smith	248	Wat	280
Mur	185	Rei	217	Smo	249	Wea	281
Mus	186	Ren	218	So	250	Weg	282
Naa	187	Ria	219	Sp	251	Wei	283
Nat	188	Rie	220	Staa	252	Wel	284
Nea	189	Roa	221	Star	253	Wes	285
Nel	190	Rog	222	Stea	254	Wha	286
Nem	191	Ros	223	Ster	255	Whi	287
Ni	192	Rua	224	Slo	256	Wia	288
Noa	193	Rus	225	Str	257	Wila	289
Nor	194	Saa	226	Su	258	Will	290
Nu	195	Saint	227	Sw	259	Wilm	291
Oa	196	Sam	228	Ta	260	Win	292
O'B	197	Sar	229	Te	261	Wir	293
O'H	198	Scha	230	Tha	262	Woa	294
Ol	199	Sche	231	Thoa	263	Woll	295
Or	200	Schi	232	Thomp	264	Woo	296
Paa	201	Schm	233	Ti	265	Wr	297
Par	202	Schn	234	To	266	X-Y	298
Pas	203	Scho	235	Tra	267	Z	299
Pea	204	Schr	236	Tri	268		

"I" Section

"I" Section of the card: Breeding Habitat (Expansion of "L") or
Arthropod Group (Expansion of "G-H")

"I" Section is assigned to the expansion of the coding of other Sections as follows:

Code "I-1," Breeding Habitat. Expands Section "L," subject matter.

Code "I-2," Arthropod Group. Expands Sections "G-H," Taxonomic Index.

Code "I-1" is used to index the breeding habitat of the arthropod as given in the reference. It can be used only when Section "G" is used for genus, and a number from 70-79 is entered in Section "L." All cards using this code drop out when number 70 in Section "L" is needed; all others remain on the needle. "Breeding habitat" as used here refers to the habitat of the larvae and pupae of the arthropod concerned. The most specific use of the applicable heading is used. Obviously, this code cannot be used simultaneously with any other "I" code.

Code "I-2" is used to index an arthropod group when this group involves more than one genus. When this code is used in Section "I" there will be no entry in Section "G," and in Section "H" the hole below the number 1 hole (drop 1, units field) will be punched to indicate that Section "I" is being used for the "I-2" category. When drop 1 hole in Section "H" is needed, all cards using the "I-2" code drop out.

CODE "I-1": BREEDING HABITAT

- 1 Hydric, in water or vegetation emerging from water
- 2 Fast running water
- 3 Slow running water
- 4 Coastal swamps (mangroves, etc.)
- 5 Water, salt or brackish, tide pools, etc.
- 6 Standing water, fresh, incl. ponds or lakes
- 7 Polluted water
- 8 Temporary rain or snow melt pools, irrigation and flooding
- 9 Domestic water, vegetation
- 10 In water-covered sand or mud bottoms
- 11 Soil, damp
- 12 Marshes, fresh
- 13 Marshes, salt or brackish
- 14 Swamps, other than coastal
- 15 Bogs or tundra
- 16 Decaying organic matter, humus, faeces, carrion, etc.
- 17 Damp places and very small water collections, as in crevices in
rocks, vegetation, leaf axils, etc.
- 18 Tree holes, damp or containing free water
- 19 Damp places, domestic
- 20 Organic detritus and litter, damp or dry, but not decaying
- 21 Soil, dry
- 22 Pools formed by drying of streams
- 23 Dry locations, domestic
- 24 On or in invertebrate animals
- 25 On or in vertebrate animals, except man
- 26 On or in man or clothing which is being worn by man
- 27 Very specialized habitats, not clearly any of above
--- see note on card
- 28 Attempts to discover breeding habitat unsuccessful
- 29 Review of summary of different breeding habitats

CODE "I-2": ARTHROPOD GROUP

(This code is used to index an arthropod group, that is, when the reference cites more than one genus, or reference is only to common name of the group.)

- 1 Crustacea
- 2 Spiders and other arachnids
- 3 Blood-sucking arthropods
- 4 Acari
- 5 Ticks
- 6 Mites
- 7 Vesicating and urticating arthropods
- 8 Chilopoda and Diplopoda
- 9 Orthoptera (cockroaches)
- 10 Hemiptera (bugs)
- 11 Anoplura and Mallophaga (lice)
- 12 Siphonaptera (fleas)
- 13 Stinging insects
- 14 Blood-sucking flies
- 15 Non-blood-sucking flies
- 16 Bot flies, warble flies, and other myiasis flies
- 17 Muscidae
- 18 Tabanidae
- 19 Diptera (flies)
- 20 Ceratopogonidae (midges and punkies)
- 21 Simuliidae (black flies)
- 22
- 23
- 24 Culicidae (mosquitoes)
- 25 Anophelinae
- 26 Culicinae
- 27 Apteragota)
- 28 Paleoptera) other than above
- 29 Neoptera)

ARTHROPODS AND THEIR RELATIONS TO DISEASE ORGANISMS

Sections "J," "K," and "L" are used to index subject matter, with particular emphasis on the information applying directly to the arthropods and their relations to disease organisms.

"J" Section of the card. The special function of Section "J" is to separate easily all references having extended coverage of some phase of medical entomology, such as monographs, bibliographies, or distribution lists. For this purpose the numbers 1-9 are assigned to all references of a comprehensive type. All other references must be indexed in this Section by number 40, or numbers 50-99 inclusive. Thus, by needling 40, only the cards for comprehensive papers remain on the needle. The number 40 is used here if the subject matter cannot be broken down any further than that indicated in Section "K." The numbers 50-99 are used both here in "J" and in Section "L" to indicate the particular aspects of the subject about which the reference gives the most information.

Section "J" is never left blank.

"K" Section of the card. The special function of this Section is to separate the references into categories based on the general type of subject matter, such as genetics, taxonomy, etc. In part, these categories correspond to the major fields of biology. The numbers 10-49 have been assigned to these categories. In indexing this Section the most general of the headings which describes the content of the paper is given preference.

Section "K" is never left blank.

"L" Section of the card. As in Section "J," the numbers 50-99 are used in this Section to further cross-reference the subject matter. If the reference contains information on breeding habitat which is indexed in Section "I," then the most appropriate numbers between 70 and 99 must be used in Section "L."

If breeding habitat is not to be indexed in Section "I," the appropriate numbers 50-69 may be punched in Section "L." (See instructions for Code "I-1" in Section "I.")

Section "L" may be left blank.

In searching for references by subject matter coded in Sections "J," "K," and "L," instructions in the introduction to this report should be followed.

ARTHROPODS AND THEIR RELATIONS TO DISEASE ORGANISMS

The code numbers are entered in Sections as indicated:

- 1-9 in J only
- 10-49 " K only
- 50-99 " J or L (not K)
- 70-99 " L: indicate "L" being used for Code I-1,
Breeding Habitat
- 40 " J: indicates that subject matter cannot be
indexed in any greater detail than
indicated by the entry in Section "K."
(Number 40 when used in Section "J"
does not mean "control measures.")

- J only
 - 1 Monograph, arthropod species or lower taxonomic category
 - 2 Monograph, arthropod genus
 - 3 Monograph, arthropod taxonomic group higher than genus
 - 4 Monograph on fauna, or part of fauna, of geographic area
 - 5 Synopsis of list of forms
 - 6 Faunal lists
 - 7 Bibliography
 - 8 Indexes and review papers, including monographic treatment
of arthropod-borne disease
 - 9 Host-parasite lists
- K only
 - 10 SYSTEMATICS and taxonomy
 - 11 IDENTIFICATION and keys
 - 12 EVOLUTION AND VARIABILITY
 - 13 GENETICS and cross-breeding experiments
 - 14 EVOLUTION AND SELECTION
 - 15
 - 16
 - 17 ECOLOGY, natural history with emphasis on the organism-
environment interrelationship
 - 18 NATURAL HISTORY, bionomics, and distribution of arthropod
 - 19 BEHAVIOR-ethology and response physiology
 - 20 PHYSIOLOGY of arthropod, including regeneration,
biochemistry, etc.

- 21 ENDOCRINOLOGY
- 22 DEVELOPMENT, including embryology and growth
- 23 ANATOMY and morphology
- 24 SEROLOGY and enzymology
- 25 MEDICINE; symptomology, diagnosis, treatment, and immunization
- 26 EPIDEMIOLOGY, and relations of arthropod to diseases of man
- 27 EFFECTS ON HUMAN WELFARE of arthropod, other than by relations
to disease, but including direct and indirect injury of
humans
- 28 VETERINARY ASPECTS, including control or treatment of
arthropod parasites of domestic animals
- 29 WILDLIFE RELATIONSHIPS of arthropod (such as effects on game
species, on pest species, reservoirs of diseases of man or
domestic animals)
- 30 STUDIES WITH TRACER OR RADIO-ACTIVE MATERIALS
- 31 SURVEY, census and trapping methods
- 32 VITAL STATISTICS of arthropod, birth rates, death rates,
longevity, etc.
- 33 POPULATION DATA: surveys, censuses, abundance, of arthropods
- 34 EFFECT OF MAN, or his works, on arthropod populations, abund-
ance or distribution, excepting control measures or work
done with the intention of affecting arthropod distribution
- 35
- 36
- 37
- 38 HISTORICAL ASPECTS
- 39 TEXTBOOK AND SYMPOSIUM, covering much of the field of Medical
Entomology
- 40 *CONTROL MEASURES against arthropod
- 41 CHEMICAL CONTROL of arthropod
- 42 BIOLOGICAL CONTROL of arthropod, by use of predators,
parasites, etc.
- 43 PATHOLOGY AND DISEASE, including all cases of organisms
living on or in arthropod, except those of which the
arthropod is a vector
- 44 HABITAT CONTROL, manipulation of physical factors or flora of
habitat to control arthropod
- 45 INDIVIDUAL PROTECTIVE MEASURES, to protect humans from
arthropod (repellants, for example)
- 46 PREVENTIVE MEDICINE, control by mass immunization, personal
hygiene, and other public-health measures aimed primarily at
the disease organism
- 47 REARING METHODS AND LABORATORY techniques
- 48 EXPERIMENTAL INFECTIONS of arthropod, or experiments designed
to demonstrate transmission of disease by arthropod
- 49 INSECTICIDE CHEMISTRY AND TOXICOLOGY

* NOTE: When number 40 is punched in Section "K" it means control measures, but when 40 is punched in Section "J" it means that subject matter cannot be indexed in any greater detail than indicated by the entry in Section "K."

- 50 General life history data
- 51 Life cycle of arthropod
- 52 Etiologic agent, life cycle, or part of life cycle, including descriptions of stages, mode of transmission from or to arthropod, etc.
- 53 Sex ration
- 54 Reproductive association, environmental, physiological, or behavioral factors tending to bring the sexes together for breeding
- 55 Reproductive adeptness; anatomical, physiological or behavioral characters tending to prevent cross breeding between populations which differ in these characters. Description of, or action of, these characters
- 56 Activity associated with breeding, egg deposition, hatching, larvapoosition, etc.
- 57 Natality (reproductive potential and longevity)
- 58 Mortality (factors, amount, and survivorship)
- 59 Breeding habitats, multiple species
- 60 Distribution, including present and past, from a geographic to a microhabitat scale
- 61 Dispersal: methods, amount, distances covered, factors influencing
- 62 Home range, area covered, or distances traveled in daily activity
- 63 Movements, general
- 64 Kineses and taxes
- 65 Infections, natural and artificial, susceptibility and immunities
- 66 Therapy
- 67 Suggested measures for prevention and control
- 68 Legislation (quarantine)
- 69 Resistance and tolerance of arthropods
- 70
- 71 Response to physical environment
- 72 " " substrate or medium
- 73 " " temperature or temperature and humidity
- 74 " " light and photo-period
- 75 " " water and humidity
- 76 " " physico-chemical and chemical phases
- 77 " " chemicals (artificial)
- 78 " " gravity, pressure and sound, wind and water currents, including the multiple effects of altitude
- 79 Cycles and seasons, periodicity
- 80 Response to biotic environment (except vegetation when it is acting solely as part of the physical habitat)
- 81 Community studies, general interrelationships of physical and biotic factors as affecting the local fauna

* If coded in L, means Section I is being used for Code I-1, Breeding Habitat

	.	82	
	.	83	Position in food chain and relations to predation
	.	84	Food and feeding habits
	.	85	Host specificity or lack of specificity, selection of hosts
	.	86	Niche and habitat, including vegetation as part of the physical habitat
	.	87	Part played by arthropod in ecologic succession
	.	88	Parasitism and parasites
	.	89	Symbiosis and symbionts, including phoresy, commensalism, and mutualism
	.	90	Arthropod-borne disease, incidence in population of vertebrate hosts
J or L	I*	91	Arthropod-borne disease, incidence of infection in vector popu- lation only
	.	92	Effects on vertebrates or planes, of control measures, including insecticide toxicity
	.	93	Host-reservoirs of disease, actual or suspected, vertebrate or plant
	.	94	Overwintering (hibernation)
	.	95	Dormant stages and diapause
	.	96	
	.	97	Characters, taxonomic
	.	98	Abnormalities and teratology
	.	99	

* If coded in L, means Section I is being used for Code I-1, Breeding
Habitat

"M" Section

DATE OF PUBLICATION BY CENTURY

SPECIAL USES

"M" Section of the card. This Section, which uses letters (A, B, C, D, E, and F) instead of numerals, is used to index the century in which a reference was published.

This Section may also be used to indicate special ways which certain sections of the card are to be used in indexing, or to separate certain special types of references.

Items B, C, E, and F have not yet been assigned to code any information.

If this Section is not punched, it indicates that the reference is not completely indexed, as shown on next page.

"M" Section

CENTURY OF PUBLICATION

A	Reference published in the 1900's (20th century)
B	
C	
D	Reference published in the 1800's (19th century)
E	
F	

APPENDIX A

LIST OF PRINCIPAL REFERENCES USED FOR SYNONYMY

1. Nearctic and Neotropical Regions

Mosquitoes

Jane, J. Neotropical Culicidae. Univ. of Sao Paulo, Brazil.
Vols. I and II. 1953.

Matheson, R. Handbook of the Mosquitoes of North America, 2nd ed.
(revd.). Comstock Publ. Co., Ithaca, N.Y. 1944.

Horse Flies

Bequaert, J. The Tabanidae of the Antilles (Dipt.). Rev. of Ent.
11 (1-2): 235-369. 1940

Krober, O. Catalogo dos Tabanidae da America do Sul e Central,
incluindo o Mexico e as Antilhas. Rev. of Ent. 4 (2-3):
222-276, 291-333. 1934.

Philip, C.B. A Catalog of the Blood-sucking Fly Family Tabanidae
(Horse Flies and Deer Flies) of the Nearctic Region North of
Mexico. Amer. Midl. Nat. 37 (2): 257-324. 1947.

----- Corrections and Addenda to a Catalog of Nearctic Tabanidae.
Amer. Midl. Nat. 43 (2): 430-437. 1950.

Stone, A. The Horse Flies of the Subfamily Tabaninae of the
Nearctic Region (including 14 new species and one new variety).
Misc. Publ. U.S. Dept. Agric., No. 305. 1938.

Sand Flies

[To date, no principal references have been used for this group.]

Black Flies

Dalmat, H.T. The Black Flies (Diptera, Simuliidae) of Guatemala
and Their Role as Vectors of Onchocerciasis. Smithsonian Misc.
Coll. 125 (1). 1955.

Vargas, L. Simulidos del Nuevo Mundo. Monogr. Inst. Salub. Enferm.
Trop. No. 1. 1945.

Fleas

- da Costa Lima, A. and C.R. Hathaway. Pulgas: Bibliografia, Catalogo e Hospedadores. Mem. Inst. Osw. Cruz. No. 4. Rio de Janeiro. 1946.
- Fox, I. Fleas of Eastern United States. Dept. Zool. and Ent. Iowa State College Press, Ames, Iowa. 1940.
- Holland, G.P. The Siphonaptera of Canada. Dept. Agric. Canada. Publ. 817 Tech. Bull. 70: 1-305. 1949
- Hubbard, C.A. Fleas of Western Northern America. Their Relation to Public Health. Iowa State College Press, Ames, Iowa. 1947.
- Jellison, W.L. and N.E. Good. Index to the Literature of Siphonaptera of North America. Bull. Nat. Inst. Health, No. 178, Washington, D.C. 1942.
- , B. Locker and R. Bacon. A Synopsis of North American Fleas, North of Mexico, and Notice of a Supplementary Index. Jour. of Parasitology. 39 (6): 610-618. 1953.

Ticks

- Bequaert, J.C. The Ticks, or Ixodoides, of the Northeastern United States and Eastern Canada. Entomologica Americana, 25 (N.S.) (2): 73-120; (3): 121-184; (4): 185-232. 1946.
- Cooley, R.A. The Genera Dermacentor and Otocentor (Ixodidae) in the United States with Studies in Variation. Bull. Nat. Inst. Health, No. 171, Washington, D.C. 1938.
- , and G.M. Kohls. The Argasidae of North America, Central America, and Cuba. Monogr. Amer. Midl. Nat., No. 1. 1944.
- , and G.M. Kohls. The Genus Amblyomma (Ixodidae) in the United States. Jour. of Parasitology. 30 (2): 77-111. 1944.
- , and G.M. Kohls. The Genus Ixodes in North America. Bull. Nat. Inst. Health, No. 184, Washington, D.C. 1945.
- The Genera Boophilus, Rhipicephalus, and Haemaphysalis (Ixodidae) of the New World. Bull. Nat. Inst. Health, No. 187, Washington, D.C. 1946.

Mites

- Wharton, G.W. A Manual of Chiggers. The Biology, Classification Distribution, and Importance to Man of the Larvae of the Family Trombiculidae (Acarina). Mem. Ent. Soc. Washington, 4. 1952.

Bugs

Wygodzinsky, P. Elenco Sistemático de los Reduviiformes Americanos.
Univ. Nac. Tucuman: Inst. de Med. Reg. 473 (1). 1949.

Biting Flies

[To date, no principal references have been used for this group.]

Non-biting Flies

[To date, no principal references have been used for this group.]

Midges

Vargas, L. Lista de los Culicoides del Mundo. (Diptera, Heleidae).
Rev. Soc. Mex. Hist. Nat. 10 (1-4): 191-218. 1949.

Urticating and Vesicating Arthropods

[To date, no principal references have been used for this group.]

Miscellaneous Arthropods

[To date, no principal references have been used for this group.]

2. Oriental and Australasian Regions

Mosquitoes

Bonne-Webster, J. The Anopheline Mosquitoes of the Indo-Australian Region. Dept. Trop. Hyg. and Geog. Path of the Roy. Trop. Inst. Printed by J.H. de Bussy. Amsterdam. 1953.

Edwards, F.W. Diptera. Family Culicidae. Gen. Ins., fasc. 194. Brussels. 1932.

Horsfall, W.R. Mosquitoes. Their Bionomics and Relation to Disease. The Roland Press Company, New York. 1955.

Horse Flies

Schuermans Stekhoven, Jr., J.H. The Bloodsucking Arthropods of the Dutch East Indian Archipelago. VII. The Tabanids of the Dutch East Indian Archipelago. Treubia, 6, supplmt. Duitenzorg. April 1926

Sand Flies

Theodor, O. Classification of the Old World Species of the Subfamily Phlebotominae (Diptera, Psychodidae). Bull. Entom. Res. Vol. 39, Part 1, pp 85-115, 1948.

Black Flies

Mackerras, I.M. and M.J. Mackerras. Revisional Notes on Australasian Simuliidae (Diptera). Proc. Linn. Soc. N.S.W. 73, Parts 5-6, pp. 372-405. Sydney, 1948.

Fleas

da Costa Lima, A. and C.R. Hathaway. Pulgas: Bibliografia, Catalogo e Hospedadores. (Fleas: Bibliography, Catalogue and Hosts). Monogr. Inst. Osw. Cruz, No. 4. Rio de Janeiro, 1946.

Ticks

Anastos, G. The Scutate Ticks, or Ixodidae of Indonesia. Entomologica Americana, Vol. 30, (n. ser.) Nos. 1-4, pp. 1-144, 1950.

Mites

Womersley, H. The Scrub-Typhus and Scrub-Itch Mites (Trombiculidae, Acarina) of the Asiatic-Pacific Region. Part I. Text, Part II. Plates. Records of the South Australian Mus. Vol. X (1-2), 1952.

Bugs

[To date, no principal references have been used for this group.]

Biting Flies

[To date, no principal references have been used for this group.]

Non-biting Flies

James, Maurice T. The Flies That Cause Myiasis in Man. U.S. Dept. of Agric. Misc. Publ. No. 631. U.S. Govt. Ptg. Off., Washington, D.C., 1947.

Midges

Vargas, Luis. Lista de los Culicoides del Mundo (Diptera, Hemicidae). Rev. Soc. Mex. Hist. Nat., Vol. X (1-4): pp. 191-218, 1949.

Urticating and Vesicating Arthropods

[To date, no principal references have been used for this group.]

Miscellaneous Arthropods

[To date, no principal references have been used for this group.]

APPENDIX B

LIST OF GEOGRAPHIC AREAS FOR WHICH THERE ARE NO KNOWN ARTHROPOD RECORDS AVAILABLE

Ascension Island	Nampô-Shotô Islands
Ashmore Reef	Nauru Island
Bhutan	Ocean Island
Cartier Island	Phoenix Island
Chatham Islands	Revillagigedo, Islas de
Clipperton Island	Saint Pierre and Miquelon Islands
Cocos-Keeling Islands	Sala-y-Gomez Island
East Pacific Islands	San Ambrosio Island
Easter Island	San Felix, Isla de
Fernando de Noronha	South China Sea Islands
Guadalupe	South Georgia Island
Juan Fernandez Islands	South Orkney Islands
Laccadive Islands	South Sandwich Islands
Louisiade Archipelago	South Shetland Islands
Malpelo Island	Trinidad Island
Marcus Island	(20.20 S Lat, 29.40 W Long)
	Wake Island

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