



Hunt Institute for Botanical Documentation
5th Floor, Hunt Library
Carnegie Mellon University
4909 Frew Street
Pittsburgh, PA 15213-3890
Telephone: 412-268-2434
Email: huntinst@andrew.cmu.edu
Web site: www.huntbotanical.org

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About the Institute

The Hunt Institute for Botanical Documentation, a research division of Carnegie Mellon University, specializes in the history of botany and all aspects of plant science and serves the international scientific community through research and documentation. To this end, the Institute acquires and maintains authoritative collections of books, plant images, manuscripts, portraits and data files, and provides publications and other modes of information service. The Institute meets the reference needs of botanists, biologists, historians, conservationists, librarians, bibliographers and the public at large, especially those concerned with any aspect of the North American flora.

Hunt Institute was dedicated in 1961 as the Rachel McMasters Miller Hunt Botanical Library, an international center for bibliographical research and service in the interests of botany and horticulture, as well as a center for the study of all aspects of the history of the plant sciences. By 1971 the Library's activities had so diversified that the name was changed to Hunt Institute for Botanical Documentation. Growth in collections and research projects led to the establishment of four programmatic departments: Archives, Art, Bibliography and the Library.

EARLY REFERENCES TO MEXICAN PLANTS IN NON-BOTANICAL LITERATURE

- | | | |
|------|---|------------|
| 1. | ANGHIERA, Pietro Martire d' (Peter Martyr)
DE ORBE NOVO
(English translation 1912) | 1501?-1530 |
| 2. | FERNANDEZ ENCISO, Martin SUMA DE GEOGRAFIA
(English translation 1541; reprinted 1932) | 1519 |
| *3. | FERNANDEZ DE OVIEDO Y VALDES, Gonzalo
SUMARIO DE LA NATURAL Y GENERAL HISTORIA DE LAS INDIAS
(reprinted 1858) | 1526 |
| *4 | " " HISTORIA GENERAL Y NATURAL DE LAS INDIAS
(reprinted 1851-1858; English translation 1625) | 1535 |
| *5. | LOPEZ DE GOMARA, Francisco HISTORIA GENERAL DE LAS INDIAS
(reprinted 1858) | 1552-1553 |
| 6. | EDEN, Richard THE FIRST THREE ENGLISH BOOKS ON AMERICA
(reprinted 1895) | 1555 |
| 7. | GALVAO, Antonio TRATADO DOS DESCOBRIMENTOS ANTIGOS
(English translation 1601; reprinted 1862) | 1555 |
| 8. | GRYNAEUS, Simon ed.
NOVUS ORBIS REGIONUM AC INSULARUM VETERIBUS INCOGNITARUM | 1555 |
| 9. | GIRAVA, Geronimo DOS LIBROS DE COSMOGRAPHIA | 1556 |
| 10. | TAMARA, Francisco EL LIBRO DE LAS COSTUMEBRES | 1556 |
| 11. | RAMUSIO, Giovanni Battista NAVIGATIONE ET VIAGGI | 1563-1565 |
| 12. | BENZONI, Girolamo LA HISTORIA DEL MONDO NUOVO
(English translation 1857) | 1565 |
| 13. | LOPEZ DE VELASCO, Juan
GEOGRAFIA Y DESCRIPCION UNIVERSAL DE LAS INDIAS
(reprinted 1894) | 1571-1574 |
| *14. | ACOSTA, Jose de HISTORIA NATURAL Y MORAL DE LAS INDIAS
(reprinted 1940; English translation 1604) | 1589-1590 |
| 15. | BOTERO, Giovanni RELATIONI UNIVERSALI | 1591 |
| 16. | BRY, Johann Theodor de
AMERICA NONA ET POSTREMA PARS DE NOVI ORBIS NATURA | 1594 |
| 17. | HUYGHEN VAN LINSCHOTTEN, John
DISCOURS OF VOYAGES INTO YE EASTE AND WEST INDIES | 1598 |
| *18. | VARGAS MACHUCA, Bernardo MILICIA Y DESCRIPCION DE LAS INDIAS
(reprinted 1892) | 1599 |
| *19. | CHAMPLAIN, Samuel A NARRATIVE OF A VOYAGE TO THE WEST INDIES AND
MEXICO
(English translation 1859) | 1599-1602 |

20.	HERRERA Y TORDESILLA, Antonio	DESCRIPCION DE LAS INDIAS OCCIDENTALES	1601
21.	"	HISTORIA GENERAL DE LOS HECHOS DE LOS CASTELLANOS EN LAS ISLAS Y TIERRA FIRME DEL MAR OCEANO	1601
22.	DU BARTAS, Guillaume de Saluste	WORKS (English translation 1935-1940)	1605
*23.	TORQUEMADA, Juan de	PRIMERA SEGUNDA Y TERCERA PARTE DE LOS VEINTE Y UN LIBROS RITUALES I MONARCHIA INDIANA (reprinted 1943)	1612
24.	PURCHAS, Samuel	HIS PILGRIMAGES (HIS PILGRIMES)	1613
25.	BERTIUS, Petrus	DESCRIPTION D'AMERIQUE	1622
26.	ORDONNEZ DE CEVALLOS, Pedro	PARTICULIERE DESCRIPTION DE L'INDE OCCIDENTALE	1622
27.	INGA, Athanasius	WEST INDISCHE SPIEGEL	1624
28.	SOLORZANO Y PEREYRA, Juan de	POLITICA INDIANA (reprinted 1776)	1629-1639
29.	GOTTFRIED, Johann Ludwig	NEWE WELT	1631
30.	LAET, Johannis de	NOVUS ORBIS	1633
*31.	GAGE, Thomas	THE ENGLISH AMERICAN-HIS TRAVAIL BY SEA AND LAND	1648
32.	MARGGRAV DE LIEBSTAD, George	HISTORIA RERUM NATURALIUM BRASILLAE	1643
33.	PISO, Willem	DE MEDICINA BRASILIENSI	1640
34.	" "	DE INDIA UTRIUQUE RE NATURALI	1658
*35.	COBO, Bernabe	HISTORIA DEL NUEVO MUNDO (reprinted 1890-1895; 1943)	1653
36.	PEAKE, Thomas	AMERICA	1655
37.	SANSON D'ABBEVILLE, Nicolas	L'AMERIQUE EN PLUSIEURS CARTES ET EN DIVERS TRAITES	1656
38.	FRANCISCI, Erasmus	OST UND WEST INDISCHER WIE AUCH SINESISCHER LUST UND STATS GARTEN	1668
39.	MONTANUS, Arnold	DIE NIEUWE EN ONBEKENDE WEEVELD	1671
40.	OGILEY, John	AMERICA	1671
41.	EXQUEMELIN, Alexandre Olivier	DE AMERICAENSCHAE ZEE-ROOVERS (English translation 1684)	1678
*42.	DAMPIER, William	A NEW VOYAGE ROUND THE WORLD (reprinted 1927)	1698-1709
43.	WAFER, Lionel	A NEW VOYAGE AND DESCRIPTION OF THE ISTHMUS OF AMERICA (reprinted 1903, 1913)	1699

44. BIRON, C.	CURIOSITEZ DE LA NATURE	1703
45. BELLEGARDE, Jean Baptiste Morvan de (pseud. Monsr. Du Perier)	HISTOIRE UNIVERSELLE DE VOYAGES (English translation 1708)	1707
46. COREAL, Francois	VOYAGE AUX INDES OCCIDENTALES	1722
47. LABAT, Jean Baptiste	NOUVEAU VOYAGE AUX ISLES DE L'AMERIQUE (abridged edition 1931)	1722
48. RIVERA MARQUEZ, Pedro	CONTINENTE AMERICANO	1728
49. BOTURINI BENADUCI, Lorenzo	IDEA DE UNA HISTORIA GENERAL DE LA AMERICA SEPTENTRIONAL	1746
*50. VILLASENOR Y SANCHEZ, Joseph Antonio	THEATRO AMERICANO	1748
51. PEREZ DE TORRES, Simon	DISCURSO DE MI VIAJE	1748
52. OCH, Joseph	NACHRICHTEN VON SEINEN REISEN NACH DEM SPANISCHEN NORD AMERIKA (reprinted 1809-1811)	1757-1767
53. ANONYMOUS	AN ACCOUNT OF THE SPANISH SETTLEMENTS IN AMERICA	1762
54. "	DAS SPANISCHE REICH IN AMERIKA (sometimes attributed to John Campbell)	1763
55. COOK, LIEUTENANT	REMARKS ON A PASSAGE FROM THE RIVER BALISE IN THE BAY OF HONDURAS TO MERIDA	1769
56. ULLOA, Antonio de	NOTICIAS AMERICANAS	1772
57. WINTERBOTHAM, W.	AN HISTORICAL GEOGRAPHICAL COMMERCIAL AND PHILOSOPHICAL VIEW OF THE UNITED STATES OF AMERICA AND THE EUROPEAN SETTLEMENTS IN AMERICA AND THE WEST INDIES	1796

INFORMATION WANTED PLEASE

Cosineo, Godefredo	De la Naturaleza del Mundo	1614
Postillo, G.	De las Maravillas del Mundo	1553
Wilfliet, Cornelius de	Noticias del Occidente	1598

Prepared by
Ida K. Langman
Academy of Natural Sciences
Philadelphia

*sent to Dr.
Edwards
Oct. 1904*

Title:

A Selected Guide to the Literature on the Flowering Plants of Mexico

Scope:

The work is divided into four parts. The first section is a miscellaneous one, covering references to Mexican plants in historical and geographical works, including travel reports of various kinds. Also in this section are anthropeological works and vocabularies of languages used in Mexico, which contain names of plants. The final section in Part I deals with the history of botany in Mexico, and biographical material on Mexican botanists and non-Mexicans who have botanized in Mexico.

Part II deals with works that emphasize the economic value of the plants; this section is divided according to the uses which are made of the plants.

Part III consists of references to works whose emphasis is primarily taxonomic: monographs, original descriptions, etc. In this section, the references are classified according to families, and genera and species within the families.

In Part IV, the emphasis is geographical. Works are classified according to the regions with which they are concerned. ^{and} Titles ~~including~~ covering ecology, floristics, as well as vegetation and phytogeographical studies are included.

Work done to date:

About 7500 items have been collected so far. Most of them are from books and separately paged publications. In the field of magazines and serial publications, only those from Mexico have been reviewed intensively. Magazines from parts of the world other than Mexico remain still to be done, in addition to a number of Mexican magazines whose files were not complete, or could not be located. Most of the work on this bibliography has been done in my spare time, except for one year when I had a travel and maintenance grant from the U.S. State Department.

Work still to be done:

When all the books have been located (several hundred continue to elude my search), and when all the periodical literature has been surveyed, the bibliography will contain at least 20,000 numbers. At least another year will have to be spent in Mexico, and from two to three years in the United States, reviewing the periodical literature. Since my regular work does not involve this kind of activity, the only way in

which the project can be completed will be for me to secure a grant that will enable me to devote myself full time to collecting of material. At present, I do not seem to be able to locate an institution or agency interested in subsidizing such work. Most foundations and organizations for research do not consider bibliographies in their plans for support, since it is not "creative", or "original" research. This applies to the ^{for example} Guggenheim ^{and} Foundation, the American Philosophical Society. Any leads which you can supply which might enable me to secure assistance in this project will be very deeply appreciated.

Plans for publication:

I have not thought actively about ~~this~~ this end of the project, preferring to consider this after my material is almost complete. Dr. Verdoorn is very much interested in helping me secure a publisher and has suggested that this might be easier outside the United States, perhaps in Holland. (And I think, perhaps Mexico might be another possibility.) ^{One} ~~Some~~ ^s parts of the bibliography have already been published. The introduction was printed (in Spanish translation) in the Memorias del Congreso Científico Mexicano published in 1953. Another part, the section dealing with the history of botany in Mexico is due to be published in the Memorias de la Academia Nacional de Ciencias de Mexico, as my contribution on election as corresponding member of the Academia. A paper dealing with botanical gardens among the ancient Mexicans was sent, on invitation, to the Botanical Congress in Paris this summer. A detailed bibliography, dealing with ^{main} that subject, taken from the bibliography, was part of the paper. As other sections ^{try} become more or less complete, I shall to secure preliminary publication in various journals.

Other bibliographic Projects that should be initiated with respect to Mexican plants:

I would like to do a listing of plants first described from Mexico, ^{and date} giving the authority and place of publication.

150. KOROVIN, E. P.
1961. Rastitel'nost Srednei Azii. 2nd ed. Akad. 1962. demia Nauk Uzbek S.S.R., Tashkent. 2 vols.
Originally published in 1934. This important contribution to Russian botanical literature on the vegetation of Central Asia and southern Kazakhstan has an extensive bibliography in this greatly enlarged edition.
151. KRADER, L.
1963. Peoples of Central Asia. University of Indiana Press, Bloomington. 319 p.
Bibliography: p. 279-303.
152. KRAMER, H. P.
1952. A selective annotated bibliography on the climatology of Northwest Africa. Meteorological Abstracts and Bibliography 3(1):37-79.
This extensive bibliography itself designates further bibliographic sources by coding pertinent entries. 302 references.
153. KRAMER, P. J.
1944. Soil moisture in relation to plant growth. Botanical Review 10(9):525-559.
This general review of literature on soil moisture covers conditions of desert environment and includes very useful information on the relation of soil moisture to plant growth. Includes a bibliography of 108 titles.
154. KREB, K.
1961. Bibliographia phytosociologica Iraq. Excerpta Botanica, B, 3(1):78.
155. KÜCHLER, A. W. (ed.)
1965. International bibliography of vegetation maps, v. 1, 1965. University of Kansas, Lawrence, Library Series 21.
v. 1, Vegetation maps of North America, 453 p., with J. McCormick; v. 2 (1966), Vegetation maps of Europe, 584 p.
156. ———
1967. Vegetation mapping. The Ronald Press Company, New York. 472 p.
Has excellent bibliography.
157. LANGMAN, I. K.
1964. A selected guide to the literature on the flowering plants of Mexico. University of Pennsylvania Press, Philadelphia. 1015 p.
It is a pity to carp about such an immensely useful and comprehensive work as this, and I do not have any quarrel with the information but only with the arrangement. For instance, in examining the voluminous index for references to Sonora, a typically arid portion of Mexico, I found a substantial list of plant names as cross-references; picking *Nitrophila occidentalis* at random, I was referred from this species, in its place in the index, to *Nitrofla*, from which, without further information, I was referred to Chenopodiaceae, which led in turn to a sub-heading under this family name, "*Nitrophila occidentalis*, range extension to Sonora, FOSBERG, F. R., 1942." Perhaps there is a no less cumbersome way to unlock the many treasures of this bibliography, for patience will turn the key. The main body of the work is an author arrangement; the index, referred to above, includes plant names, geographic terms, and subject terms, many of which are cross-references. There is a bibliography of 359 references.
158. LEITHEAD, C. S., and A. R. LIND
1964. Heat stress and heat disorders. Cassell & Co., London. 304 p.
Bibliography: p. 257-271.
159. LEOPOLD, L. B., M. G. WOLMAN, and J. P. MILLER
1964. Fluvial processes in geomorphology. W. H. Freeman, San Francisco. 522 p.
Comprehensive bibliographies follow each section of this text: evolving landscape, process and form (weathering, water and sediments in channels, channel form and process, hillslope characteristics and processes), effects of time (geochronology, drainage pattern evolution, channel changes with time, evolution of hillslopes); and to the extent such geomorphological concepts are important to arid lands research, these references are an excellent guide.
160. LITTLE, E. C. S., and G. W. IVENS
1965. The control of brush by herbicides in tropical grassland. Herbage Abstracts 35(1): 1-12.
A very good review of various methods used for control of brush. Although oriented toward tropical and subtropical grassland, the materials and methods discussed are also applicable to desert conditions. Includes a bibliography of 179 references.
161. LIU, J. C.
1930. Important bibliography on the taxonomy of Chinese plants. Peking Society of Natural History, Bulletin 4(3):17-32. BA6(1) 2109.
Cites the principal papers containing descriptions of Chinese plants and, in most cases, gives the approximate number of new Chinese plants described, so that some idea of the value of the work can be obtained.
162. LOBOVA, E. V.
1960. Pochvy pustyynnoi zony SSSR. Akademiia Nauk SSSR, Pochvennyi Institut im. V. V. Dokuchaeva. 362 p. (Translated 1967 by Israel Program for Scientific Translations, Jerusalem, as "Soils of the desert zone of the USSR," 405 p. Also cited as TT 67-51279.)
Bibliography (original), p. 351-363; (translation), p. 373-403.
163. LOWE, C. H. (ed.)
1964. The vertebrates of Arizona; annotated check lists of the vertebrates of the State: the species and where they live. University of Arizona Press, Tucson. 259 p.
Part 1, "Landscapes and habitats," by C. H. Lowe, includes an extensive bibliography, p. 110-132.
164. LUST, J.
1964. Index Siniticus, a catalogue of articles relating to China in periodicals and other collective publications, 1920-1955. W. Heffer and Sons, Ltd., Cambridge, England. 663 p.
Section on Sinkiang, p. 546-572.
165. LYDOLPH, P. E.
1964. The Russian sukhovey. Association of American Geographers, Annals 54:291-309.
Includes a brief but very specialized bibliography, p. 309, on this atmospheric phenomenon known elsewhere variously as khamsin, sircoo, etc. See also the earlier publication by Dzedzevskii (1957).

Paylore, Patricia 1969. Bibliographical sources for arid lands research. In: W. G. McGinnies y B. J. Goldman (Eds.) Arid lands in perspective. The University of Arizona Press, Tucson, Arizona. pp.249-275. (El cual trae un breve resumen de su Bibliografía)

Private Bibliographies

A questionnaire was published in two recent issues of the *AIBS Bulletin*, requesting information about private bibliographies. That the information submitted may reach all interested persons, a list of these private collections appears below. This list is not complete. The remainder will appear in the April *Bulletin*.

PLANT SCIENCE

1. MEXICAN FLOWERING PLANTS. Ida K. Langman, Academy of Natural Sciences, Philadelphia 3, Pa. Period: 1519-1950. Approx. 6500 references. Inclusive except plant physiology. Annotated. May be seen at address.

2. LILIES. George L. Slate, New York State Agricultural Experiment Station, Geneva, N. Y. Period: 1840 to date. Inclusive. No geographic limitation. Unannotated. May be seen at address.

3. COMMERCIAL UTILIZATION OF SEAWEEDS. Evelyn M. Campbell (Librarian) and D. C. West (Translator), Nova Scotia Research Foundation, P. O. Box 1027, Halifax, Nova Scotia, Canada. Approx. 150 references. Inclusive. No geographic limitation. Annotated. May be seen.

4. BRYOPHYTES (HEPATICAE, MOSSES). Margaret Fulford, Dept. of Botany, University of Cincinnati, Cincinnati 21, Ohio. Approx. 10,000 author references, 30,000 others. Inclusive. No geographic limitations. Annotated in part. May be seen.

5. **TRANSPIRATION RATIO OF PLANTS.** Lowell F. Bailey, Botany Department, University of Arkansas, Fayetteville, Ark. Period: 1699-1940. Approx. 175 references. Inclusive. No geographic limitation. Partially annotated. May be seen.
6. **PHOTOSYNTHESIS.** H. A. Speehr, Dept. of Plant Biology, Carnegie Institution, Stanford, California. Period: 1870 to date. Approx. 4,000 references. Inclusive. No geographic limitation. Unannotated. May be seen.
7. **PLANT ECOLOGY.** Henry J. Oosting, Dept. of Botany, Duke University, Box 6875, College Station, Durham, N. C. Period: 1900 to date. Approx. 14,000 references. Selective for geography and synecology. Not geographically limited but with N. A. emphasis. Partially annotated. May be seen.
8. **DROUGHT RESISTANCE IN PLANTS.** Paul A. Fryxell, Dept. of Agronomy, State College, New Mexico. Period: 1920-1952. Approx. 350 references. Inclusive. Not geographically limited. Two-thirds abstracted. May be seen.
9. **NATURAL VEGETATION OF EASTERN ASIA (I. FORESTS, II. GRASSLAND and DESERT).** Wang Chi-Wu, Harvard Forest, Harvard University, Petersham, Mass. Period: 1900 to date. Approx. 2,000 references. Selective. Unannotated. Could probably be seen.
10. **BLUE-MOLD (PENICILLIUM EXPANSUM) DECAY OF APPLE.** Kenneth F. Baker, Dept. of Plant Pathology, University of California, 405 Hilgard Avenue, Los Angeles 24, California. Period: to 1934. Approx. 700 references. Selective. Annotated. May be seen.
11. **DISEASES OF ORNAMENTAL PLANTS.** Kenneth F. Baker, Dept. of Plant Pathology, University of California, 405 Hilgard Avenue, Los Angeles 24, California. Period: to date. Approx. 40,000 references. Inclusive. No geographic limitations. Annotated. May be seen.
12. **ARCTIC BOTANY.** Nicholas Polunin, Gray Herbarium of Harvard University, 79 Garden Street, Cambridge 38, Mass. Period: to date. Approx. 10,000 references. Generally inclusive. Geographically limited to Arctic and Subarctic. Unannotated. Probably can be seen.
13. **SYSTEMATIC BOTANY.** C. L. Porter, Rocky Mountain Herbarium, University of Wyoming, Laramie, Wyoming. Period: 1800 to date. Approx. 6,000 references. Selective. Geographically limited to Boreal, Arctic, Alpine and Western North America. Annotated to some extent. May be seen.
14. **PLANT VIROLOGY.** H. H. Thornberry, Dept. of Horticulture, University of Illinois, Urbana, Ill. Period: 1900 to date. Approx. 3,800 references. Inclusive. Not geographically limited. Annotated. May be seen.
15. **AMERICAN BOTANICAL COLLECTORS.** Rogers McVaugh, Herbarium, University of Michigan, Ann Arbor, Michigan. Period: 1600-1900. Approx. 1,000 references. Inclusive. Geographically limited to Western Hemisphere. May be seen.
16. **THE CUCURBITACEAE (Genus LACTUCA).** Thomas W. Whitaker, U. S. Horticultural Field Station, La Jolla, California. Period: since 1900. Approx. 1,500 references. Inclusive. No geographic limitations. Unannotated. May be seen.
17. **TREE SEEDS.** Henry L. Baldwin, Fox Research Forest, Hillsboro, New Hampshire. Period: to 1942. Approx. 2,000 references. Inclusive. Geographically limited to the temperate zone. Partially annotated. May be seen.
18. **BROAD COVERAGE PLANT VIRUSES.** Warren N. Stoner, Everglades Experiment Station, Belle Glade, Florida. Period: 1930 to date. Approx. 1,000 references. Inclusive. No geographic limitations. Partially annotated. May be seen.
19. **FRESHWATER ALGAE OF SOUTHEASTERN U. S.** Herman Silva, Dept. of Botany, University of Tennessee, Knoxville, Tenn. Period: to 1948. Approx. 70 references. Selective. Unannotated. Available in manuscript (thesis) at Michigan State College Library (1948).
20. **GYMNOSPERMS (FERNS, LYCOPSIDA, SPHENOPSIDA, PSILLOPSIDA, PALEOBOTANY).** Herbert M. Clarke, Dept. of Botany, University of Wisconsin, Madison, Wis. Period: 1850 to date. Approx. 7,000 references. Inclusive on subjects. Predominantly American at present time. Unannotated. May be seen.
21. **EDIBLE FRUITS, NUTS, SEEDS, FLOWERS AND BUDS OF THE WORLD.** Reid M. Brooks, Dept. of Pomology, University of California, Davis, California. Period: to date. Approx. 700 references. Inclusive. Not geographically limited. Partially annotated. May be seen.
22. **VEGETATION.** Frank E. Egler, Aton Forest, Norfolk, Connecticut. Period: to date. Inclusive. Continental U.S.A. Partially annotated. May be seen (with reservations).
23. **CRANBERRIES.** Frederick B. Chandler, Cranberry Station, East Wareham, Massachusetts. Period: 1847-1952. Approx. 2,200 references. Inclusive. Not geographically limited. Unannotated. Is in preparation for a Mass. Agric. Exp. Station Bulletin. May be seen.
24. **FUNGICIDES.** James G. Horsfall, Connecticut Agricultural Experiment Station, P. O. Box 1106, New Haven 4, Conn. Period: to date. Approx. 3,000 references. Selective. Not geographically limited. Annotated. May be seen.
25. **BRYOPHYTES.** Paul D. Voth, Dept. of Botany, University of Chicago, Chicago 37, Ill. Period: 1700 to date. Approx. 9,000 references. Inclusive. Not geographically limited. May be seen.
26. **PTERIDOPHYTES.** Paul D. Voth, Dept. of Botany, University of Chicago, Chicago 37, Ill. Period: 1700 to date. Approx. 5,000 references. Inclusive. May be seen.
27. **NEW ZEALAND BOTANY.** Robert Cecil Cooper, Auckland Museum, P. O. Box 9027, Newmarket, New Zealand. Period: to 1950. Approx. 3,000 references. Inclusive. Limited to New Zealand and its islands. Annotated. An index exists. May be seen.
28. **TREE DISEASES (DECAYS AND STAINS IN WOOD).** John S. Boyce, Osborn Botanical Laboratory, Yale University, New Haven, Conn. Period: 1880 to date. Approx. 30,000 references. Inclusive. Not geographically limited. Unannotated. May be seen.
29. **GRASS VIRUSES.** Webster H. Sill, Jr., Dept. of Botany and Plant Pathology, Kansas State College, Manhattan, Kansas. Period: 1920 to date. Approx. 150 references. Selective. Limited to North America. Partially annotated. May be seen.
30. **FLORIDA PLANTS.** Ruth S. Breen, Dept. of Botany, Florida State University, Tallahassee, Florida. Period: 1900 to date. Approx. 300 references. Selective: mainly taxonomic. Limited to Florida. Unannotated. May be seen.
31. **SPERMATOPHYTES OF GEORGIA.** Haskell Venard, 3959 N. Stratford Road, N. E., Atlanta, Georgia. Period: 1740-1953. Many thousands of references. Inclusive. Limited to Georgia. Unannotated. Arrangements could be made to use the bibliography in the library of Emory University.
32. **FLAX.** Arnold A. Wellwood, Dept. of Botany, Ontario Agricultural College, Guelph, Ontario, Canada. Period: 1900-1948. Approx. 650 references. Selective for flax diseases (fiber flax). Limited to North America. Unannotated. May be seen.
33. **PHYCOLOGY.** William Randolph Taylor, Dept. of Botany, University of Michigan, Ann Arbor, Mich. Period: indefinite but to date. Approx. 12,000 references. Inclusive. Not geographically limited. Partially annotated. May be seen.
34. **LICHENOLOGY.** Emanuel D. Rudolph, Dept. of Botany, Washington University, St. Louis 5, Missouri. Period: late 1800's to date. Approx. 2,000 references. Inclusive. Not geographically limited. Unannotated. May be seen.
35. **SEED PHYSIOLOGY (MORPHOLOGY AND ANALYTICAL PROCEDURES).** Lela V. Barton, Boyce Thompson Institute for Plant Research, Inc., 1086 North Broadway, Yonkers 3, N. Y. Period: to date. Approx. 50,000 references. Inclusive. Not geographically limited. Partially annotated. May be seen.

ANIMAL SCIENCES

1. THE GOLDEN HAMSTER (*MESOCRICETUS AURATUS AURATUS*). Hulda Magalhães, Box 496, Biology Department, Bucknell University, Lewisburg, Pa. Period: 1839 to date. Approx. 850 references. Inclusive. Not geographically limited. Unannotated. An index is in preparation. May be seen.
2. HISTORY OF DOMESTIC ANIMALS. J. N. Spuhler, Institute of Human Biology, University of Michigan, Ann Arbor, Mich. Period: 1700 to date. Approx. 1,200 references. Inclusive. Not geographically limited. Unannotated. May be seen.
3. HUMAN BIOLOGY. J. N. Spuhler, Institute of Human Biology, University of Michigan, Ann Arbor, Mich. Period: 1900 to date. Approx. 4,000 references. Selective. Not geographically limited. Unannotated. May be seen.
4. HUMAN GENETICS. J. N. Spuhler, Institute of Human Biology, University of Michigan, Ann Arbor, Mich. Period: 1900 to date. Approx. 10,000 titles. Inclusive, except for medical genetics. Not geographically limited. Unannotated. May be seen.
5. AVIATION AND MILITARY OPHTHALMOLOGY AND VISUAL SCIENCES. Conrad Berens and L. Benjamin Shepard, The Biological Sciences Foundation, Ltd., 1011 New Hampshire Avenue, N. W., Washington 8, D. C. Period: 1800 to 1945. Approx. 6,660 references. Selective. Not geographically limited. Annotated. May be seen.
6. CELL DIVISION. Ivor Corman, 1339 H Street, N. W., Washington 5, D. C. Period: to date. Approx. 10,000 references. Selective for experimental agents. Not geographically limited. Annotated. Probably can be seen.
7. NORTH AMERICAN SALAMANDERS. Sherman C. Bishop and Arnold B. Grobman, Florida State Museum, Gainesville, Florida. Period: 1700 to date. Approx. 1,000 references. Inclusive. Limited to U. S. A. and Canada. Annotated. May be seen.
8. INBRED STRAINS OF MICE. Joan Staats and Elizabeth S. Russell, Library, Roscoe B. Jackson Memorial Laboratory, Bar Harbor, Maine. Period: 1915 to date. Approx. 4,000 references. Inclusive. Not geographically limited. Unannotated. May be seen.
9. PIGEONS AND DOVES. W. F. Hollander, Genetics Department, Iowa State College, Ames, Iowa. Period: to date. Approx. 2,000 references. Inclusive. Not geographically limited. Unannotated. May be seen.
10. MYXOSPORIDIA AND MICROSPORIDIA. R. R. Kudo, 322 Natural History Building, University of Illinois, Urbana, Ill. Period: 1880 to date. Approx. 300 references. Inclusive. Not geographically limited. May be seen.
11. EMBRYOLOGY OF FISHES. Archie N. Solberg, Dept. of Biology, University of Toledo, Toledo 6, Ohio. Period: 1850-1953. Approx. 3,000 references. Inclusive. Not geographically limited. Annotated. May be seen.
12. PHYSICAL AND CHEMICAL PROPERTIES OF INSECT BLOOD. John Buck, National Institutes of Health, Bethesda 14, Md. Period: to date. Approx. 400 references. Inclusive. Not geographically limited. Partially annotated. May be seen.
13. ANATOMY AND PHYSIOLOGY OF FIREFLIES. John Buck, National Institutes of Health, Bethesda 14, Md. Period: to date. Approx. 300 references. Inclusive. Not geographically limited. Partially annotated. May be seen.
14. GAS EXCHANGE IN INSECTS. John Buck, National Institutes of Health, Bethesda 14, Md. Period: to date. Approx. 1,000 references. Inclusive. Not geographically limited. Partially annotated. May be seen.
15. PARASITOLOGY. Norman D. Levine, College of Veterinary Medicine, University of Illinois, Urbana, Ill. Period: 1900 to date. Approx. 12,200 references. Not geographically limited. Annotated. May be seen.
16. COMPARATIVE ANATOMY OF VERTEBRATES (OSTEOLOGY). C. L. Camp and J. S. Kingsley, 326 Hearst Mining Building, University of California, Berkeley, Calif. Period: 1500 to date. Approx. 25,000 references. Inclusive. Not geographically limited. Partially annotated. May be seen.
17. FRESHWATER TRICLADS (*TRICLADIDA*, *PALUDICOLA*, *TURBELLARIA*). Roman Keck, 810 Ramsey Street, Alexandria, Virginia. Period: to date. Approx. 2,000 references. Inclusive. World-wide. May be seen.
18. BACTERIAL CYTOLOGY AND ELECTRON MICROSCOPY. A. Eisenstark, Dept. of Bacteriology, Kansas State College, Manhattan, Kansas. Period: to date. Approx. 1,000 references. Not geographically limited. Partially annotated. May be seen.
19. CHONDRDYSPLASIA (*CHONDRDYSTROPHY*, *ACHONDROPLASIA*, *MICROMELIA*, *PHOCOMELIA*). Walter Landauer, Atwater Laboratory, University of Connecticut, Storrs, Conn. Period: to date. Approx. 2,000 references. Inclusive. Not geographically limited. Unannotated. May be seen.
20. INVERTEBRATE PHOTORECEPTORS. Lorus J. Milne, Zoology Department, University of New Hampshire, Durham, N. H. Period: to date. Approx. 3,800 references. Not geographically limited. Annotated. Index in preparation. May be seen.
21. PROTOZOOLOGY (GENUS *CRYPTOBIA*). Max Katz, Environmental Health Center, U. S. Public Health Service, 1014 Broadway, Cincinnati, Ohio. Period: 1850 to date. Approx. 50 references. Inclusive. Not geographically limited. Unannotated. May be seen.
22. HEMATOLOGY OF TELEOST FISH. Max Katz, Environmental Health Center, U. S. Public Health Service, 1014 Broadway, Cincinnati, Ohio. Period: 1850 to date. Approx. 200 references. Selective. Not geographically limited. Unannotated. May be seen.
23. TOXICITY OF CHEMICALS AND INDUSTRIAL WASTES TO FISH. Peter Dondoroff and Max Katz, Environmental Health Center, U. S. Public Health Service, 1014 Broadway, Cincinnati, Ohio. Period: 1900 to date. Approx. 1,000 references. Inclusive. Partially annotated. May be seen.
24. GENETIC LINKAGE IN MAN. H. Warner Kloefer, Dept. of Anatomy, Tulane University, New Orleans 18, La. Period: 1920 to date. Approx. 112 references. Inclusive. Not geographically limited. Partially annotated. May be seen.
25. AGING. Nathan W. Shock, Baltimore City Hospitals, Baltimore 24, Md. Period: 1900 to date. Approx. 20,000 references. Inclusive. Not geographically limited. Partially annotated. May be seen.
26. CROCODYLIA. Albert M. Reese, Professor Emeritus, West Virginia University, Morgantown, W. Va. Period: 1870 to date. Approx. 260 references. Inclusive. Not geographically limited. Unannotated. May be seen. Could correspond.
27. BIOLOGY OF PARAMECIUM. Ralph Wichterman, Biology Department, Temple University, Philadelphia 22, Pa. Period: 1674 to date. Approx. 2,000 references. Inclusive. World-wide. Complete bibliography may be found in author's book "The Biology of Paramecium." (Blakiston)
28. ANATOMY OF HAIR. William V. Mayer, Dept. of Zoology, University of Southern California, Los Angeles, Calif. Period: 1773 to date. Approx. 3,000 references. Inclusive. Not geographically limited. Partially annotated. May be seen.
29. ANATOMY AND BIOLOGY OF MAMMALS: OF REPTILES. D. Dwight Davis, Division of Anatomy, Chicago Natural History Museum, Chicago 5, Ill. Period: 1875 to date. Approx. 15,000 author cards, 10,000 index entries. Inclusive. Not geographically limited. Annotated. May be seen.
30. DISEASES OF WILD BIRDS AND MAMMALS. Patricia O'Connor Halloran, Staten Island Zoo, 614 Broadway, Staten Island 10, N. Y. Period: 1830-1952. Approx. 8,500 references. Inclusive. Not geographically limited. Annotated. May be seen.

31. BOMBYLIDAE (DIPTERA). Ralph B. Priddy, Dept. of Biological Sciences, University of Pittsburgh, Pittsburgh 13, Pa. Period: 1904 to date. Approx. 400 references. Inclusive. Not geographically limited. Partially annotated. May be seen.

32. CYTOLOGY AND GENETICS (OTHER BIOLOGY). C. L. Huskins, Dept. of Botany, University of Wisconsin, Madison, Wis. Period: to date. Approx. 15,000 references. Inclusive. Not geographically limited. Partially annotated. May be seen.

33. HIBERNATION. Raymond J. Hock, Arctic Health Research Center, U. S. P. H. S., Box 960, Anchorage, Alaska. Period: 1950 to date. Approx. 2,000 references. Inclusive. Not geographically limited. Unannotated. May be seen.

34. ZOOLOGICAL EXPLORATION. James A. Peters, Dept. of Biology, Brown University, Providence, Rhode Island. Period: 1700 to date. Approx. 400 references. Inclusive. Primarily concerned with the New World. Partially annotated. May be seen.

35. HERPETOLOGY OF ECUADOR. James A. Peters, Dept. of Biology, Brown University, Providence, R. I. Period: to date. Approx. 500 references. Inclusive. Limited to Ecuador. Annotated. May be seen.

36. SOFT-SHELL CLAM (MYA ARENARIA), HARD-SHELL CLAM (VENUS MERCENARIA). Clam Investigations, U. S. Fish and Wildlife Service, Boothbay Harbor, Maine. Period: 1807 to date. Approx. 750 references. Selected. Not geographically limited. Annotated. Bibliography in preparation. May be seen.

37. ECOLOGY OF ESTUARIES. Melbourne R. Carriker, Zoology Department, Rutgers University, New Brunswick, New Jersey. Period: 1900-1950. Approx. 2,720 references. Selective. Limited to Middle Atlantic States. Unannotated. May be seen.

38. CLASS: ASTEROIDEA (PHYLUM: ECHINODERMATA) Frederick A. Aldrich, Dept. of Zoology, Rutgers University, New Brunswick, New Jersey. Period: 1926 to date. Approx. 400 references. Inclusive. Not geographically limited. Partially annotated. May be seen.

39. HOMOPTERA: AUCHENORHYNCHA. Z. P. Metcalf, Gardner Building, North Carolina State College, Raleigh, N. C. Period: 1758 to date. Approx. 12,000 references. Inclusive. Not geographically limited. Annotated. May be seen.

40. POISONOUS AND VENOMOUS MARINE ANIMALS OF THE WORLD. Bruce W. Halstead, School of Tropical and Preventative Medicine, Loma Linda, California. Period: 1500 to date. Approx. 1,200 references. Inclusive for fish; selective for invertebrates. Not geographically limited. Annotated. May be seen, especially by Armed Forces.

41. PRIMATES. Theodore C. Roeh, Dept. of Physiology and Biophysics, University of Washington School of Medicine, Seattle, Wash. Period: 1939 to date. Approx. 3,500 references. Inclusive. Not geographically limited. May be seen. Information will be sent by mail.

42. BLOOD CLOTTING. Louis B. Jaques, Department of Physiology, University of Saskatchewan, Saskatoon, Sask. Period: 1900 to date. Approx. 9,000 references. Inclusive. Not geographically limited. Unannotated. May be seen.

43. HEPARIN. Louis B. Jaques, Department of Physiology, University of Saskatchewan, Saskatoon, Sask. Period: 1900 to date. Approx. 3,600 references. Inclusive. Not geographically limited. May be seen.

44. NAMED GENES OF MUS MUSCULUS. George D. Snell, Jackson Memorial Laboratory, Bar Harbor, Maine. Period: 1909 to date. Approx. 600 references. Inclusive. Not geographically limited. Partially annotated. May be seen.



INFORMATION ON—NEW SECOND EDITION OF

STAUFFER'S—INTRODUCTORY BIOLOGY

Edited by ANDREW STAUFFER, Associate Professor of Biology, Ohio Northern University. Authored by E. C. COLLINS, Chicago Teachers College, W. HENRY LEIGH, Associate Professor of Zoology, University of Miami, PAUL MEGLITSCH, Associate Professor of Zoology, Duke University, ANDREW STAUFFER, Ohio Northern University, and S. W. HOWE, NELLY J. BOSMA, R. CLARKE GILMORE, H. C. NELSON, JOHN P. WESSEL—all of the Chicago City Junior College—and JESSE F. SCHUETT, late of Chicago City Junior College.

The editors and authors, based on their many years of experience in the teaching of the subject, sincerely believe that the stressing of the functional approach and the similarities of the functional processes in plants and animals results in a better understanding of the subject by the student and impresses upon him the unity concept of the living world. Hence, this New Second Edition, although largely rewritten and brought up to date, still stresses principles derived from a study of selected types of plants and animals, thus avoiding the amassing of meaningless details. The dynamic factors involved in the conservation of our biotic resources are also emphasized. The text is written for the student and it has been used by students with notable and successful results.

LEVEL AND DURATION OF THE COURSE: Text is designed for a full-year course in general biology in the first or second year of college without prerequisites. It may, however, by selected omissions be used for a semester course. It should be equally suitable for a laboratory or non-laboratory course.

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82. **PROTOZOOLOGY** (esp. GENUS TETRAHYMENA). John O. Corliss, Osborn Zoological Laboratory, Yale University, New Haven, Conn. Period: 1677 to date. Approx. 500 references. Inclusive. Not geographically limited. Partially annotated. May be seen.
83. **ECOLOGY. CONSERVATION. THE CANIDAE.** Adolph M. Stehler, Oklahoma Cooperative Wildlife Research Unit, 202 Life Science Building, Stillwater, Okla. Period: 1850 to date. Approx. 3,000 references. Inclusive. Mostly North American. The Canidae annotated. May be seen.
84. **ARTHROPODS OF MEDICAL IMPORTANCE.** Roger W. Williams, School of Public Health, Columbia University, 600 West 168th Street, New York 32, N. Y. Period: 1935 to present. Approx. 22,000 references. Selective. Not geographically limited. Unannotated. May be seen.
85. **GENERAL BIOLOGY AND PUBLIC HEALTH ENGINEERING** (Special reference to water pollution, aquatic invertebrates, aquatic herbicides, and fishes). Herbert W. Jackson, Environmental Health Center, 4676 Columbia Parkway, Cincinnati 26, Ohio. Period: 1930 to date. Approx. 2,000 references. Selective. Not geographically limited. Partially annotated. May be seen.
86. **HIRUDINEA.** Marvin C. Meyer, 23 Coburn Hall, Department of Zoology, University of Maine, Orono, Maine. Period: to date. Approx. 2,000 references. Inclusive. Not geographically limited. Partially annotated. May be seen.
87. **MICRURGY.** M. J. Kopac, Department of Biology, New York University, Washington Square East, New York 3, N. Y. Period: 1857 to date. Approx. 5,000 references. Inclusive. Not geographically limited. Partially annotated. May be seen.
88. **ENTOMOLOGY (PSYCHODIDAE).** William F. Rapp, Jr., 430 Ivey Avenue, Crete, Nebraska. Period: 1880 to date. Approx. 1,000 references. Inclusive. Worldwide. Partially annotated. May be seen.
89. **ORNITHOLOGY OF NEBRASKA.** William F. Rapp, Jr., 430 Ivey Avenue, Crete, Nebraska. Period: 1950 to date. Inclusive. Limited to Nebraska. Partially annotated. May be seen.
90. **FAUNA OF NORTH DAKOTA.** George C. Wheeler, Department of Biology, University of North Dakota, Grand Forks, N. Dak. Period: 1800 to date. Approx. 800 references. Inclusive. Limited to North Dakota. Unannotated. May be seen.
- PLANT SCIENCES**
36. **PLANT VIRUSES.** Helen Parry Beale, Boyce Thompson Institute for Plant Research, Inc., 1086 North Broadway, Yonkers 3, N. Y. Period: to date. Approx. 12,000 references. Inclusive. Not geographically limited. Unannotated. May be seen.
37. **PLANT CYTOLOGY, GENETICS AND EMBRYOLOGY.** John L. Spencer, Dept. of Botany, University of Massachusetts, Amherst, Mass. Period: 1890 to date. Approx. 12,500 references. Inclusive. Not geographically limited. Partially annotated. May be seen.
38. **CHARACEAE.** Richard D. Wood, Dept. of Botany, University of Rhode Island, Kingston, R. I. Period: 1753 to date. Approx. 2,500 references. Inclusive. Not geographically limited. Annotated. May be seen.
39. **TREE RINGS, PALEOCLIMATOLOGY.** Waldo S. Cloek, Macalester College, St. Paul 5, Minn. Period: to date. Approx. 10,000 references. Limited to English papers. May be seen.
40. **VIRUS DISEASES OF PLANTS.** C. M. Tompkins, Dept. of Plant Pathology, 107 Hilgard Hall, University of California, Berkeley, Calif. Period: to date. Approx. no. references; thousands. Inclusive. Not geographically limited. Unannotated. May be seen.
41. **CITRUS CANCKER.** Kenneth W. Loucks, Citrus Experiment Station, Lake Alfred, Florida. Period: 1914-1932. Approx. 420 references. Inclusive. Not geographically limited. May be seen.
42. **VEGETATION AND FLORA OF NEW JERSEY.** Jack McCormick, Dept. of Botany, Rutgers University, New Brunswick, N. J. Period: 1772 to date. Approx. 800 references. Inclusive. Limited to North America (exclusive of Mexico). Annotated. May be seen. Expect to publish bibliography.
43. **VEGETATION AND FLORA OF INDIANA.** Jack McCormick, Dept. of Botany, Rutgers University, New Brunswick, N. J. Period: to date. Approx. 400 references. Inclusive. Limited to North America. Annotated. May be seen. Expect to publish bibliography.
44. **PLANT PATHOLOGY.** Father M. Claude, Dept. of Plant Pathology, Institut Agricole d'Oka, La Trappe, Quebec, Canada. Period: complete 1944 to date. Approx. 50,900 references. Inclusive. Limited to temperate zone plants. Unannotated. May be seen.
45. **GINKGO BILOBA.** Eric Christensen, Pennsylvania Avenue, Medford, N. Y. Period: 1700 to date. Approx. 180 references. Inclusive. Not geographically limited. Partially annotated. May be seen.
46. **SOILS AND PLANT NUTRITION: SOIL ANALYSIS METHODS AND INTERPRETATIONS.** Edwin Harrington, Carversville, Pennsylvania. Period: 1928 to date. Approx. 12,000 references. Generally selective. Limited to U. S. A. with emphasis on northeastern area. Partially annotated. May be seen.
47. **PLANT ECOLOGY. WORLD PLANT GEOGRAPHY.** Arthur G. Vestal, 211 Natural History Building, Urbana, Ill. Period: 1911 to date. Approx. 100,000 references. Inclusive. Not geographically limited. Partially annotated. May be seen.
48. **PHYCOLOGY.** G. W. Prescott, Dept. of Botany, Michigan State College, East Lansing, Michigan. Period: to date. Approx. 45,000 references. Inclusive generally. Not geographically limited. Unannotated. May be seen.
49. **MENTHA SPICATA, M. CARDIACA, M. PIPERITA.** George M. Hocking, School of Pharmacy, Alabama Polytechnic Institute, Auburn, Alabama. Period: to date. Approx. 1,650 references. Inclusive. Not geographically limited. Annotated. May be seen.
50. **LIATRIS.** George M. Hocking, School of Pharmacy, Alabama Polytechnic Institute, Auburn, Alabama. Approx. 300 references. Inclusive. Geographically limited to southeastern U. S. A. Annotated. May be seen.
51. **IRIS.** George M. Hocking, School of Pharmacy, Alabama Polytechnic Institute, Auburn, Alabama. Approx. 400 references. Inclusive. Geographically limited to southeastern U. S. A. Annotated. May be seen.
52. **PAPAYA: PAPAN.** George M. Hocking, School of Pharmacy, Alabama Polytechnic Institute, Auburn, Alabama. Approx. 757 references. Inclusive. Not geographically limited. Annotated. May be seen.
53. **PHARMACOGNOSY.** George M. Hocking, School of Pharmacy, Alabama Polytechnic Institute, Auburn, Alabama. Approx. several thousand references. Inclusive. Not geographically limited. Annotated. May be seen.

(To be completed in the July 1954 *AIBS Bulletin*)

51. WILDLIFE MANAGEMENT. Aldo Leopold and Joseph J. Hickey, Dept. of Wildlife Management, University of Wisconsin, Madison 6, Wis. Period: 1930 to date. Approx. 15,000 references. Selective. Limited to U. S. A., Canada and Alaska. Unannotated. May be seen.
52. POTASSIUM IN ANIMAL BIOLOGY. R. L. Zwemer, 5003 Battery Lane, Bethesda 14, Md. Period: 1890-1940. Approx. 3,600 references. Inclusive. Not geographically limited. Partially annotated. May be seen.
53. FISHERY BIOLOGY. Kenneth D. Carlander, Dept. of Zoology and Entomology, Iowa State College, Ames, Iowa. Period: 1930 to date. Approx. 14,000 references. Limited to North American freshwater. Unannotated. May be seen.
54. COLORADO ZOOLOGY. Richard G. Beidleman, Zoology Department, Colorado A & M College, Fort Collins, Colorado. Period: 1825 to date. Approx. 3,000 references. Inclusive. Limited to state of Colorado. Annotated. May be seen.
55. COLORADO ETHNOLOGY. Richard G. Beidleman, Zoology Department, Colorado A & M College, Fort Collins, Colorado. Period: 1540 to date. Approx. 500 references. Inclusive. Limited to Colorado. Annotated. May be seen.
56. BEAVER POND ECOLOGY. Arthur K. Adams, Jr., Institute of Fisheries Research, University Museums Annex, Ann Arbor, Mich. Period: 1868 to date. Approx. 1,200 references. Inclusive. Not geographically limited. Annotated. May be seen.
57. LEECHES (HIRUDINEA) OF NORTH AMERICA. Carl N. Shuster, Jr., Dept. of Zoology, Rutgers University, New Brunswick, N. J. Period: to date. Approx. 350 references. Emphasis on taxonomy and ecology. Limited to North America. Annotated. May be seen.
58. XIPHOSURA. Carl N. Shuster, Jr., Dept. of Zoology, Rutgers University, New Brunswick, N. J. Period: to date. Approx. 1,000 references. Inclusive. Not geographically limited. Partially annotated. May be seen.
59. MYA ARENARIA (SOFTSHELL CLAM). Carl N. Shuster, Jr., Dept. of Zoology, Rutgers University, New Brunswick, N. J. Period: to date. Approx. 260 references. Inclusive. Not geographically limited. Partially annotated. A bibliography in preparation.
60. AMPHIBIAN ANATOMY. Richard J. Baldauf, Dept. of Biology, Texas A & M College, College Station, Texas. Period: 1834 to date. Approx. 125 references. Selective for osteology. Not geographically limited. Partially annotated. May be seen.
61. LAMPREYS. Robert H. Shellhamer, Dept. of Anatomy, Medical Building, Indiana University, Bloomington, Ind. Period: 1945 to date. Approx. 900 references. Inclusive. Not geographically limited. Unannotated. May be seen.
62. MYRMECOLOGY. George C. Wheeler, Department of Biology, University of North Dakota, Grand Forks, N. Dak. Period: 1908 to date. Approx. 5,000 references. Inclusive. Not geographically limited. Unannotated. May be seen.
63. THE IMPACT OF EXOTIC ANIMALS ON A NATIVE FAUNA. Herbert W. Levi, University of Wisconsin, Extension Center, Wausau, Wis. Period: to date. Approx. 150 references. Not geographically limited. Unannotated. Mimeographed copies of bibliography available.
64. REPTILIAN AND AMPHIBIAN ENDOCRINOLOGY. Malcolm R. Miller, Dept. of Anatomy, Stanford University, Stanford, Calif. Period: 1900-1950. Approx. 500 references. Inclusive. Not geographically limited. Annotated. May be seen.
65. ADRENALINE, ADRENERGIC AND ADRENOLYTIC DRUGS. Fred R. Griffith, Jr., Dept. of Physiology, University of Buffalo, 4345 Main Street, Buffalo 14, N. Y. Period: 1895 to date. Approx. 15,000 references. Inclusive. Not geographically limited. Annotated. Indexed. May be seen.
66. PUBLISHED WORKS OF T. D. A. COCKERELL. William A. Weber, University of Colorado Museum, Boulder, Colorado. Period: 1880-1948. Approx. 4,000 references. Inclusive. Not geographically limited. Partially annotated. May be seen.
67. ORNITHOLOGY. T. C. Stephens, c/o Martin L. Grant, Dept. of Biology, Iowa State Teachers College, Cedar Falls, Iowa. Period: 1898-1947. Approx. 2,076 references. Inclusive. Limited to Iowa. Annotated. May be seen.
68. BEAVERS. Sidney K. Eastwood, Cornell University Library, Ithaca, N. Y. or Carnegie Library, Pittsburgh, Pa. Period: 1905-1943. Approx. 150 references. Selective for English papers. Not geographically limited. Unannotated. May NOT be seen.
69. BOOKS ON SEASHORE, OCEANOGRAPHY AND RELATED SUBJECTS. Joel W. Hedgpeth, Scripps Institution of Oceanography, La Jolla, California. Period: 1725 to date. Approx. 550 references. Selective. Not geographically limited. Partially annotated. Mimeographed bibliography in short supply. May be seen.
70. EVENING GROSBEAK (HESPERIPHONA CAPERTINA). Doris Huestis Speirs, "Cobble Hill," Altona Road North, R. 2, Pickering, Ont., Canada. Period: 1823-date. Approx. 12,000 references. Inclusive. Not geographically limited. Partially annotated. May be seen.
71. MEDICAL GENETICS. F. C. Fraser, Dept. of Genetics, McGill University, Montreal, Canada. Period: to date. Approx. 2,000 references. Selective for pediatrics. Not geographically limited. Partially annotated. May be seen.
72. APPLICATION OF RADIOACTIVE TRACERS TO BIOLOGICAL STUDIES. Glenn S. Rabideau, Div. of Biological and Medical Research, Argonne National Laboratory, P. O. Box 299, Lemont, Ill. Period: 1947 to date. Approx. 1,000 references. Inclusive. Not geographically limited. Unannotated. May be seen.
73. NUTRITION AND RELATED FIELDS. Marjorie Edman, 154 Animal Sciences Laboratory, University of Illinois, Urbana, Ill. Period: 1900 to date. Approx. 150,000 references. Selective. Not geographically limited. Annotated. May be seen.
74. MAMMALOLOGY. Murray L. Johnson, 501 North Tacoma Avenue, Tacoma 3, Washington. Approx. 580 references. Inclusive. Geographically limited to Pacific Northwest and Alaska. Unannotated. May be seen.
75. HERPETOLOGY. Murray L. Johnson, 501 North Tacoma Avenue, Tacoma 3, Washington. Approx. 270 references. Inclusive. Geographically limited to Pacific Northwest to Alaska. Unannotated. May be seen.
76. ICHTHYOFAUNA OF THE NORTH POLAR BASIN. Norman J. Wilimovsky, Natural History Museum, Stanford University, Stanford, California. Period: 1758 to date. Approx. 500 references. Inclusive. Limited to the Arctic region. Partially annotated. May be seen.
77. FISH FAUNA OF ALASKA. Norman J. Wilimovsky, Natural History Museum, Stanford University, Stanford, California. Period: 1758 to date. Approx. 100 references. Inclusive. Limited to Alaska. Annotated. May be seen.
78. RESISTANCE TO INSECTS IN PLANTS. Reginald H. Painter, Department of Entomology, Kansas State College, Manhattan, Kansas. Period: to date. Approx. 2,000 references. Inclusive. Not geographically limited. Partially annotated. May be seen.
79. FOSSIL BIRDS. Pierce Brodtkorb, Department of Biology, University of Florida, Gainesville, Fla. Period: to date. Approx. 600 references. Inclusive. Not geographically limited. Annotated. May be seen.
80. MEXICAN ORNITHOLOGY. Pierce Brodtkorb, Department of Biology, University of Florida, Gainesville, Fla. Period: to date. Inclusive. Limited to Mexico. Annotated. May be seen.

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PRIVATE BIBLIOGRAPHIES

Continued from page 15

69. BACTERIAL PLANT DISEASES. A. J. Riker, Dept. of Plant Pathology, University of Wisconsin, Madison 6, Wisconsin. Period: 1926-1950. Approx. 3,000 references. Selective. Not geographically limited. Mostly annotated. May be seen.

70. MEDICAL MYCOLOGY. Libero Ajello, U. S. Public Health Service, Communicable Disease Center, P. O. Box 185, Chamblee, Georgia. Period: 1839 to date. Approx. 3,500 references. Selective. Not geographically limited. Unannotated. May be seen.

71. NITROFURANS. R. J. Main and B. R. Anzlowar, Eaton Laboratories, Norwich, N. Y. Period: to date. Approx. 600 references. Not geographically limited. Section on clinical use, veterinary medicine, laboratory and biology, synthetic chemistry. Mimeographed bibliography in short supply. May be seen.

72. PTERIDOPHYTES. Clyde F. Reed, 10105 Harford Road, Baltimore 34, Maryland. Period: 1753 to date. Approx. 10,000 references. Inclusive. Not geographically limited. Annotated in part. May be seen.

73. ISOETALES. Clyde F. Reed, 10105 Harford Road, Baltimore 34, Maryland. Period: to date. Approx. 364 references. Published 1953 in *Bol. Soc. Broteriana* 27: 5-72.

74. MARSILEATA AND SALVINIATA. Clyde F. Reed, 10105 Harford Road, Baltimore 34, Maryland. Period: to date. Approx. 310 references. In press.

75. CULTURE OF PLANTS WITHOUT SOIL. William C. Whitman, Horticulture Dept., Rutgers University, New Brunswick, New Jersey. Period: to date. Approx. 2500 references. Annotated. World-wide. May be seen at 38 Marvin Lane, University Heights, New Brunswick, New Jersey.

76. HEPATICOLOGY. Rudolf M. Schuster, Department of Botany, Duke University, Durham, N. C. Period: 1800 to date. Approx. 1,500 references. Selective for holarctic flora; phylogeny, morphology, and phytogeography. Largely annotated. May be seen.

Correction. In #1 (See Jan. 1954 *Bulletin*), Bibliography of Ida K. Langman. "Phytology" should read "Physiology."

Correction. In #38 (See Jan. 1954 *Bulletin*), Bibliography of Frederick A. Aldrich. "1926" should read "1826."

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SOCIETY (IES):

The Natural Man. CLARENCE LEUBA. 70 pages. Doubleday and Company, Inc., 575 Madison Avenue, New York 22, N. Y. (1954) \$95.

Another contribution to the Doubleday Papers in Psychology, "The Natural Man, as Inferred Mainly from Field Studies of Men and Chimpanzees," is written by the Chairman of the Department of Psychology of Antioch College. To answer the question "What is the essential nature of man?" Professor Leuba has summarized the findings of scientific research in such areas as: the systematic observations of chimpanzees in the field and in controlled breeding and laboratory centers; the reports on children seemingly raised by animals, who subsequently came under human scrutiny; and the reports of anthropologists who have studied primitive (nonliterate) cultures throughout the world. These three lines of evidence are only suggestive and the author makes a plea for direct experimentation, pointing up the continued need of interdisciplinary, or rather multidisciplinary, thinking in undertaking a single significant problem.

LABORATORY MANUALS

- A. **Laboratory Manual of Vertebrate Embryology.** F. B. ADAMSTONE and WALDO SHUMWAY. 98 pages, illustrated. John Wiley and Sons, Inc., 440 Fourth Avenue, New York 16, N. Y. (1954) \$2.50.
Part I. Anatomy of frog embryos.
Part II. Anatomy of chick embryos.
Part III. Anatomy of the 10 mm. pig.

Private Bibliographies

Continued from April Bulletin

ANIMAL SCIENCES

91. **LIMB ANATOMY AND DEVELOPMENT.** James M. Moulton, Dept. of Biology, Bowdoin College, Brunswick, Maine. Period: 1874 to date. Approx. 500 references. Selective. Not geographically limited. Partially annotated. May be seen.
92. **AMPHIBIANS.** Clyde F. Reed and Jay Allen Collars, 10105 Harford Road, Baltimore 34, Maryland. Period: 1800 to date. Approx. 2,000 references. Inclusive; selective for Plethodonts. Not geographically limited. Unannotated. May be seen.
93. **TICKS IN RELATION TO ANIMAL AND HUMAN DISEASE.** Cornelius B. Philip, Rocky Mountain Laboratory, USPHS, Hamilton, Montana. Period: complete to 1940, partial thereafter. Approx. 2200 references. Inclusive. Not geographically limited. Annotated. May be seen.
94. **AMERICAN LOBSTER.** Ralph W. Dexter, Bingham Oceanographic Laboratory, Yale University, New Haven, Conn. Period: 1800-1946. Approx. 500 references. Inclusive. Not geographically limited. Unannotated. May be seen.
95. **MARINE MAMMALS.** Ford Wilke, U. S. Fish and Wildlife Service, 2725 Montlake Blvd., Seattle 2, Washington. Period: to date. Approx. 6,000 references. North America geographically emphasized. Unannotated. May be seen.

PLANT SCIENCES

54. **BOTANY (ECOLOGY & PHYTOGEOGRAPHY) AND ANTHROPOLOGY.** Theodore P. Bank, II, Dept. of Botany, University of Michigan, Ann Arbor, Michigan. Period: 1741 to date. Approx. 1,500 references. Inclusive. Limited to western American Arctic and Subarctic. Partially annotated. May be seen.

55. **MALEIC HYDRAZIDE—PLANT GROWTH INHIBITOR.** John W. Zukel, U. S. Rubber Company, Bethany, Connecticut. Period: 1947 to date. Approx. 250 references. Inclusive. Not geographically limited. Annotated. Printed summaries available upon request.

56. **LAKE MISTASSINI DISTRICT (NATURAL HISTORY, GEOGRAPHY, HISTORY, ETHNOLOGY, ETC.).** Jacques Rousseau, Montreal Botanical Garden, 4101 Sherbrooke Street, East, Montreal, Quebec, Canada. Period: 1650 to date. Approx. 500 references. Inclusive. Geographically limited. Will probably be published.

57. **SEEDS (GERMINATION, DORMANCY, PRODUCTION, STORAGE, ETC.).** Eben H. Toole and Vivian Kearns Toole, Plant Industry Station, Beltsville, Md. Period: to date. Approx. 10,000 references. Inclusive. Not geographically limited. Partially annotated. May be seen.

58. **BLUEBERRIES.** William W. Smith, Horticulture Department, University of New Hampshire, Durham, N. H. Period: to date. Approx. 600 references. Inclusive. Not geographically limited. Unannotated. May be seen after May 1, 1954.

59. **THE COTTON PLANT (Seedling diseases of).** C. H. Arndt, Botany Department, Clemson College, Clemson, South Carolina. Period: 1930 to date. Approx. 2,000 references. Not geographically limited. Partially annotated. May be seen.

60. **BIOLOGY OF STELLARIA MEDIA (CARYOPHYLLACEAE).** L. J. King, Boyce Thompson Institute for Plant Research, Inc., 1086 North Broadway, Yonkers 3, N. Y. Period: to date. Approx. 450 references. Inclusive except for local distributional records. Not geographically limited. Annotated. May be seen.

61. **HONEY PLANTS.** Harvey B. Lovell, Biology Department, University of Louisville, Louisville, Kentucky. Period: 1870 to date. Approx. 800 references. Inclusive. Chiefly North America. Extensively annotated. May be seen.

62. **MISTLETOES (LORANTHACEAE).** Frank G. Hawksworth, Forest Insect and Disease Laboratory, Box 523, Albuquerque, New Mexico. Period: to date. Approx. 2,000 references. Inclusive. Not geographically limited. Two-thirds annotated. May be seen.

63. **EASTERN ASIATIC BOTANY.** Egbert H. Walker, Department of Botany, Smithsonian Institution, Washington 25, D. C. Period: 1937 to date. (Supplements "Bibliography of Eastern Asiatic Botany," by E. D. Merrill and E. H. Walker (1938).) Approx. 4500 references (previous bibliography, 21,000). Inclusive. Geographically limited to China, Japan, Formosa, Korea, Manchuria, Mongolia, Tibet, eastern Siberia, Far East. Annotated. May be seen.

64. **ECOLOGY OF RIVER ALGAE.** John L. Blum, Canisius College, Buffalo 8, N. Y. Period: approx. 1850 to date. Approx. 700 references. Inclusive. Not geographically limited. Largely annotated. May be seen.

65. **CYTOTAXONOMY OF PLANTS.** Askell Löve, Department of Botany, University of Manitoba, Winnipeg, Canada. Period: to date. Approx. 10,000 references. Inclusive. Not geographically limited. Unannotated. May be seen.

66. **THE DOWNY MILDEWS (PERONOSPORAEE).** Charles Garner Shaw, Department of Plant Pathology, State College of Washington, Pullman, Washington. Period: 1796 to date. Approx. 2100 references. Inclusive. Not geographically limited. Annotated. May be seen.

67. **DUCKWEEDS (LEMNACEAE).** Albert Saeger, University of Kansas City, 5100 Rockhill Road, Kansas City 10, Mo. Period: 1763 to date. Approx. 275 references. Inclusive. Not geographically limited. Annotated. May be seen.

68. **ALGAE OF CANADA.** Jules Brunel, Institut botanique, Université de Montréal, 4101 est. rue Sherbrooke, Montréal 36, Canada. Period: to date. Approx. 6,000 references. Inclusive. Geographically limited to Canada. Unannotated. May be seen.

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