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Sources of Information for Young Entomologists

Douglas W. S. Sutherland

Extension Entomologist

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Douglas W. S. Sutherland

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Insects are the most common and yet among the least understood animals associated with our daily lives. Although many books, bulletins, and pamphlets dealing with insects are in print, few are commonly found in book stores and public libraries.

The following selected list of references is designed primarily to help young people interested in entomology. Librarians, biology teachers in elementary and secondary schools, members of 4-H clubs, club leaders, and others who want to know more about insects and closely related animals can make use of this bibliography. A few references for studying and identifying animals and plants closely associated with insects are also included.

Publications are divided into three groups: Introductory (elementary and junior high schools), Intermediate (junior high and high schools), and Advanced (high school and college). Many of these books have bibliographies to guide you further in your studies. Encyclopedias are sources of general information on insects.

Although few of these books are stocked by book stores, they can usually be ordered through them, or ordered directly from the publisher. For out-of-print books in the *advanced* group, here are three dealers specializing in used entomology books:

John Johnson	Eric Lundberg	Henry Tripp
North Bennington	Ashton, Maryland	92-06 Jamaica Ave.
R.F.D. No. 2	20702	Woodhaven, N.Y. 11421
Vermont 05257		

Many bulletins and pamphlets are available through the United States Government Printing Office, Washington, D.C. 20402. Your county extension office may have bulletins or pamphlets of interest. For this address see the telephone directory for the Extension agent office under the county name. The county extension or agricultural agent also has a supply of 4-H entomology project books.

REFERENCES

- Johnson, W. T., L. R. Newey and J. M. Gabel, Jr. 1968. Entomological Publications for Youth. Cornell University, Ithaca, N.Y. (mimeo). 29 pp.
- Prakken, S. L. 1968. Books in Print, U.S.A. R. R. Bowker Co., N.Y. 1704 pp.

INTRODUCTORY (Elementary - Junior High School)

- Anonymous. 1956. Handbook of the Insect World. Hercules Powder Co., Wilmington, Del. 60 pp. illust. Free from County Extension Offices.
Insects are grouped according to feeding habits.
- Bronson, W. S. 1963. Beetles. Harcourt, Brace & World, Inc., N.Y. 160 pp. illust. \$3.25.
Beetle life histories and anatomy. Collecting information.
- Conklin, G. 1966. The Bug Club Book. Holiday House, Inc., N.Y. 96 pp. illust. \$2.95.
Collecting and rearing methods. Suggestions for group projects.
- De Waard, E. J. 1964. What Insect is That? American Education Publications, Columbus, Ohio. 64 pp. illust. \$.30 (10 copies or more per order).
A field guide for those interested in entomology.
- Hopf, A. L. 1965. Monarch Butterflies. Thomas Y. Crowell Co., N.Y. 134 pp. illust. \$3.75.
A life cycle of the Monarch. Information on rearing, capturing and banding them.
- Hussey, L. J. and C. Pessino. 1953. Collecting Cocoons. Thomas Y. Crowell Co., N.Y. 73 pp. illust. \$3.50.
Rearing caterpillars. Information on identifying cocoons.
- Hutchins, R. E. 1959. Insect Builders and Craftsmen. Rand McNally & Co., Skokie, Ill. 96 pp. illust. \$3.50.
Stories of insects that build structures for their own use.
- Hutchins, R. E. 1957. Insects: Hunters and Trappers. Rand McNally & Co., Skokie, Ill. 96 pp. illust. \$3.50.
Stories of predaceous insects. Some information on photography.
- Lane, F. C. 1954. All About the Insect World. Random House, Inc., N.Y. 136 pp. illust. \$2.95.
Considered a good general book on insects for young people. Habits, economic importance, and body structure are discussed.
- Lemmon, R. S. 1956. All About Moths and Butterflies. Random House, Inc., N.Y. 144 pp. illust. \$2.95.
General characteristics, habits, and methods of collecting, rearing, and studying butterflies and moths.
- Oman, P. W. and A. D. Cushman. 1967. Collection and Preservation of Insects. USDA Misc. Pub. No. 601. U.S. Gov. Print. Office, Wash., D.C. 42 pp. illust. \$.25.
Methods for collecting, mounting, and preserving insects. Comments on each insect order.
- Rood, R. N. 1963. The How and Why Wonder Book of Butterflies and Moths. Grosset & Dunlap, Inc., N.Y. 43 pp. color illust. \$1.25. paper back \$.59.
General characteristics, habits, and methods for collecting, mounting, and preserving butterflies and moths.
- Ross, E. S. 1953. Insects Close Up. Univ. Calif. Press, Berkeley. 81 pp. illust. \$1.50.
"A pictorial guide for the photographer and collector, featuring 125 photographs and drawings" (Ross).

- Shuttlesworth, D. 1959. *The Story of Spiders*. Doubleday & Co., Inc., Garden City, N.Y. 57 pp. color illust. \$3.50.
Information on habits, biology, and anatomy of various spiders.
- Golden Nature Guide Series**—Each guide contains introductory information for studying and collecting. Brief descriptions of the insects and related forms are illustrated in color. (Available in many book stores.)
- Fichter, G. S. and H. S. Zim. 1966. *Insect Pests*. Golden Press, Inc., N.Y. 160 pp. color illust. \$1.00.
- Levi, H. W. and L. R. Levi. 1968. *Spiders and Their Kin*. Golden Press, Inc., N.Y. 160 pp. color illust. \$1.00.
- Mitchel, R. T. and H. S. Zim. 1964. *Butterflies and Moths*. Golden Press, Inc., N.Y. 160 pp. color illust. \$1.00.
- Zim, H. S. and C. Cottam. 1956. *Insects*. Golden Press, Inc., N.Y. 160 pp. color illust. \$1.00.
- Others** that may be of interest deal with Birds, Flowers, Trees, Mammals, Gamebirds, Non-Flowering Plants, Pond Life, Zoology, and Photography.

INTERMEDIATE

(Junior High and High School)

- Anonymous. 1959. *Open Door to Plenty*. Nat. Agric. Chem. Assoc., Wash., D.C. 64 pp. illust. \$.25.
The importance of agricultural chemicals for protection of food, health, and property is discussed.
- Bray, D. F. et al. *Entomology, An Exciting Scientific Career*. Entomol. Soc. Amer., 4603 Calvert Rd., College Park, Md. 18 pp. illust. Single copies free.
Discusses the many areas of study within entomology.
- Beirne, B. P. 1955. *Collecting, Preparing, and Preserving Insects*. Sci. Ser., Entomol. Div., Canada Dept. of Agric., Ottawa. 133 pp. illust. \$.50.
Methods of collecting, mounting, and preserving insects.
- Brevoort, H. F. and E. I. Fanning. 1965. *Insects from Close-up*. Thomas Y. Crowell Co., N.Y. 145 pp. illust. \$6.95.
Close up photographs with factual information about each one.
- Chauvin, R. 1967. *The World of the Insect*. World Univ. Lib., McGraw-Hill Book Co., N.Y. 256 pp. illust. \$2.45.
Microclimates of insects, populations in laboratory and nature, fauna of the soil, our battles against insects.
- Cheesman, E. 1952. *Insects: Their Secret World*. Peter Smith, Gloucester, Mass. 246 pp. illust. \$3.75.
A variety of subjects on insect life: senses, dispersal and migration, parasites and predators, pests, social organization, and instincts.
- Clausen, L. W. 1954. *Insect Fact and Folklore*. P. F. Collier, Inc., N.Y. 194 pp. illust. \$.95.
- von Frisch, K. 1956. *Bees: Their Vision, Chemical Senses and Language*. Cornell Univ. Press, Ithaca, N.Y. 118 pp. illust. \$1.45.
- Frost, S. W. 1942. *Insect Life and Insect Natural History* (1959

- reprint). Dover Publications, Inc., N.Y. 526 pp. illust. \$3.00.
Introductory text in entomology. Much information not readily found elsewhere.
- Harpster, H. T. 1947. *The Insect World*. Viking Press, Inc., N.Y. 211 pp. illust. \$3.77.
Ways insects develop, feed, breathe, and survive.
- Jaques, H. E. 1947. *How to Know the Insects*. Wm. C. Brown Co., Dubuque, Iowa. 205 pp. illust. \$2.50.
A key to the orders and families of insects based upon their morphology. Introductory section on collecting, mounting, identifying, and preserving insects. A strong hand lens (10 or 20 power) is needed to use the keys. For smaller insects, use a binocular microscope.
- Kalmus, H. 1960. *101 Simple Experiments With Insects*. Doubleday & Co., Inc., Garden City, N.Y. 194 pp. illust. \$3.95.
Experiments using equipment that can be made or that is commonly available in the home.
- Klots, A. B. and E. B. Klots. 1961. *1001 Questions Answered About Insects*. Dodd, Mead & Co., N.Y. 260 pp. illust. \$6.50.
- Larson, M. W. and P. P. Larson. 1965. *All About Ants*. World Publishing Co., N.Y. 220 pp. illust. \$5.95.
Includes ant anatomy, social development, general habits, and nests.
- Lutz, F. E. 1948. *Field Book of Insects*. G. P. Putnam's Sons, N.Y. 510 pp. illust. \$4.50.
An introduction to the identification of about 600 insects. Collecting and rearing methods are considered. Oriented more to the northeastern United States.
- Maeterlinck, M. 1912. *The Life of the Bee* (1954 reprint). Mentor Book, New American Library, Inc., N.Y. 168 pp. \$.35.
The development of a colony, starting with a swarm from an old hive, until it has established itself in a new location.
- Needham, J. G. et al. 1937. *Culture Methods for Invertebrate Animals* (1959 reprint). Dover Publications, Inc., N.Y. 590 pp. \$3.50.
A summary of rearing methods for many insects and related animals.
- Needham, J. G. and P. R. Needham. 1962. *A Guide to the Study of Fresh Water Biology*. 5th ed. Holden-Day, Inc., San Francisco, Calif. 108 pp. illust. \$2.50.
A guide for the identification of common fresh water organisms, including those stages of insects found in aquatic environments.
- Poole, L. D. and G. J. Poole. 1965. *Fireflies in Nature and the Laboratory*. Thomas Y. Crowell Co., N.Y. 149 pp. illust. \$3.95.
General information on fireflies.
- Reed, L. B. and R. E. Webb. 1967. *Insects and Diseases of Vegetables in the Home Garden*. USDA Home Garden Bull. No. 46 U.S. Gov. Print. Office, Wash., D.C. 50 pp. illust. \$.30.
Description and control of common insects and diseases damaging vegetables.
- Richards, O. W. 1960. *The Social Insects*. Harper Torchbooks, Harper & Bros., N.Y. 218 pp. illust. \$1.50.
Wasps, bees, ants, termites, and social parasites.

- Siverly, R. E. 1962. Rearing Insects in School. Wm. C. Brown Co., Dubuque, Iowa. 113 pp. illust. \$3.00.
Information on collecting, rearing, and life histories of selected insects.
- Smith, F. F. 1967. Controlling Insects on Flowers. USDA Agric. Info. Bull. No. 237. U.S. Gov. Print. Office, Wash., D.C. 81 pp. illust. \$.45.
Discusses common pests of flowers. Insecticides suggested are those generally considered safe for the homeowner to use. It includes a section on application and using pesticides safely.
- Swain, R. B. 1948. The Insect Guide. Doubleday & Co., Inc., Garden City, N.Y. 261 pp. color illust. \$4.95.
Families of insects are discussed. Useful in identifying many insects.
- Tampion, D. 1968. Projects: Zoology (1968 reprint). Washington Square Press (Div. Simon and Schuster, Inc.). N.Y. 294 pp. illust. \$.75.
A beginning guide to understanding many phases of animal life; development structure and function. Differences between invertebrates and vertebrates can be learned.
- Teale, E. W. 1962. The Strange Lives of Familiar Insects. Dodd, Mead, & Co., N.Y. 208 pp. illust.
Interesting habits and aspects of common insects.
- Teale, E. W. 1955. Insect Friends. Dodd, Mead & Co., N.Y. 96 pp. photos. \$6.50.
Discusses insects which are considered beneficial to man.
- Teale, E. W. 1949. The Insect World of J. H. Fabre. Apollo Ed., Dodd, Mead & Co., N.Y. 333 pp. illust. \$1.95.
Observations by a well known early French entomologist.
- Westcott, C. 1964. The Gardener's Bug Book. Doubleday & Co., Inc., Garden City, N.Y. 579 pp. color illust. \$9.95.
Biology and control of insect pests and related forms. Includes a catalogue of plants and the insect pests attacking them.
- Zinsser, H. 1935. Rats, Lice and History (1965 reprint). Bantam Books, Inc., N.Y. 228 pp. \$.75.
Life History of typhus fever.

ADVANCED

(High School and College)

- Alley, H. P. and G. A. Lee. 1969. Weeds of Wyoming. Bull. No. 498. Agric. Expt. Sta., Laramie, Wyo. 120 pp. illust. inquire.
Illustration, description, and discussion of over 110 weeds.
- Andrewartha, H. G. 1961. Introduction to the Study of Animal Populations. Phoenix Sci. Series, Univ. of Chicago Press, Chicago, Ill. 281 pp. illust. \$2.45.
Advanced study of animal ecology, theory and practice.
- Bates, M. 1949. The Natural History of Mosquitoes (1965 reprint). Harper Torchbooks, Harper & Bros., N.Y. 378 pp. illust. \$2.45.
Detailed study of the biology and habits of mosquitoes.

- Berry, J. B. 1924. *Western Forest Trees*. (1966 reprint). Dover Publications, Inc., N.Y. 251 pp. illust. \$1.75.
Identification, occurrence, characteristics, wood, and uses.
- Borror, D. J. and D. M. DeLong. 1964. *An Introduction to the Study of Insects*. Holt, Rinehart & Winston, Inc., N.Y. 819 pp. illust. \$17.50.
Introductory college entomology text. Keys to insect families, descriptions, morphology, and physiology.
- Chapman, R. F. 1969. *The Insects: Structure and Function*. American Elsevier Publishing Co., Inc., N.Y. 819 pp. \$15.00.
College text that deals almost entirely with the anatomy and physiology of insects.
- Comstock, J. H. 1940. *Introduction to Entomology*. 9th ed. Cornell University Press, Ithaca, N.Y. 1064 pp. illust. \$12.50.
Information on common and important species of insects and their relatives. Taxonomy, structure and function. Many keys.
- Comstock, J. H. and W. J. Gertsch. 1948. *The Spider Book*, Cornell Univ. Press, Ithaca, N.Y. 729 pp. illust. \$12.50.
Covers spiders and related groups in the United States and Canada. Keys and biological information.
- Cummins, K. W. et al. 1964. *Experimental Entomology*. Reinhold Publishing Corp., N.Y. 176 pp. illust. \$8.50.
Ideas and procedures for working with insects.
- Deason, H. J. and W. Blacklaw. 1963. *A Guide to Science Reading*. Signet Sci. Lib., New American Library, Inc., N.Y. 220 pp. \$.75.
Over 900 books on the sciences: aeronautics to zoology. Several essays by noted scientists.
- Demerec, M. and B. P. Kaufman. 1965. *Drosophila Guide*. 7th ed. Carnegie Institution of Washington, Wash., D.C. 44 pp. illust. \$.50.
Introduction to the genetics and cytology of the fruit fly.
- Emerton, J. H. 1902. *The Common Spiders of the United States* (1961 reprint). Dover Publications, Inc., N.Y. 227 pp. illust. \$1.75.
A general book on identification and habits of over 200 species of spiders.
- Essig, E. O. 1931. *History of Entomology* (1965 reprint). Hafner Publishing Co., Inc., N.Y. 1029 pp. illust. \$16.50.
- Essig, E. O. 1958. *Insects and Mites of Western North America*. MacMillan Co., N.Y. 1050 pp. illust. OUT-OF-PRINT (rare).
An advanced text with keys.
- Felt, E. P. 1940. *Plant Galls and Gall Makers* (1965 reprint). Hafner Publishing Co., Inc., N.Y. 364 pp. illust. \$10.75.
General discussion on galls. Keys to galls according to the host plant.
- Gertsch, W. J. 1949. *American Spiders*. Van Nostrand Reinhold Co., N.Y. 285 pp. illust. glossary. \$9.75.
Habits, life histories, and descriptions of groups and species.
- Goetsch, W. 1957. *The Ants*. Univ. of Michigan Press., Ann Arbor, Mich. 173 pp. illust. \$1.95.
The social life, warring, hunting, mating, and guests of ants.

- Hartley, W. G. 1964. How to Use a Microscope. Doubleday & Co., Inc., Garden City, N.Y. 255 pp. illust. glossary. \$1.45.
- Holland, W. J. 1902. The Moth Book (1968 reprint). Dover Publications, Inc., N.Y. 479 pp. color illust. \$5.00.
Descriptions and illustrations of several hundred species.
- Holland, W. J. 1931. The Butterfly Book. Doubleday & Co., Inc., Garden City, N.Y. 424 pp. color illust. OUT-OF-PRINT.
Most of the United States species are included. Excellent descriptions. Methods of working with Lepidoptera.
- James, M. T. and R. F. Harwood. 1969. Herms's Medical Entomology. 6th ed. MacMillan Co., N.Y. 484 pp. illust. \$15.00.
Insects and related groups of public health importance. Keys.
- Large, E. C. 1940. The Advance of the Fungi (1962 reprint). Dover Publications, Inc., N.Y. 488 pp. \$2.50.
The importance of fungi and plant diseases to man and his crops.
- MacGregor, S. E. 1967. Beekeeping in the United States. Agric. Handbook No. 335. U.S. Gov. Print. Office, Wash., D.C. 147 pp. illust. glossary. \$1.00.
On the hive, colony, and its activity, bee behavior, honey production, honey plants, pollination, and bee diseases.
- Mayr, E. 1942. Systematics and the Origin of Species (1964 reprint). Dover Publications, Inc., N.Y. 334 pp. \$2.50.
A summary of information on evolution and selection. Examples are taken from many kinds of animals, including insects.
- Metcalf, C. L., W. P. Flint and R. L. Metcalf. 1962. Destructive and Useful Insects: Their Habits and Control. 4th ed. McGraw-Hill Book Co., N.Y. 1087 pp. illust. keys. \$19.50.
An extensive general reference on economically important insects. Also includes general information on control, insecticide application, classification, morphology, physiology, and development of insects.
- Mitchner, C. D. and M. H. Mitchner. 1951. American Social Insects. W. Van Nostrand Co., Inc., N.Y. 267 pp. illust. OUT-OF-PRINT.
Information on bees, ants, wasps, and termites.
- Odum, E. P. and H. T. Odum. 1959. Fundamentals of Ecology, 2nd ed. W. B. Saunders Co., Phila., Pa. 546 pp. illust. \$7.50.
Basic principles of ecology, an approach on land, in fresh water, and in the ocean. The application of ecology in various environments.
- Odum, E. P. 1963. Ecology. Modern Biology Series. Holt, Rinehart and Winston, Inc., N.Y., 152 pp. illust. \$3.25.
A readable discussion of the many aspects of ecology.
- Patton, R. L. 1963. Introductory Insect Physiology. W. B. Saunders Co., Phila., Pa. 245 pp. illust. \$6.50.
Introduction to a study of the processes that make it possible for an insect to live and function.
- Peairs, L. M. and R. H. Davidson. 1966. Insect Pests of Farm, Garden and Orchard. 6th ed. John Wiley & Sons, Inc., N.Y. 675 pp. illust. \$17.50.
A text dealing with insects attacking crops and domestic animals.

- Peterson, A. 1964. *Entomological Techniques: How to Work With Insects*. 10th ed. Edwards Bros., Inc., Ann Arbor, Mich. 435 pp. illust. \$10.00.
Methods for collecting, preserving, rearing, and studying insects.
- Peterson, A. 1959. *Larvae of Insects: An Introduction to Nearctic Species*. Vol. I. Lepidoptera and Plant Infesting Hymenoptera. 4th ed. Edwards Bros., Inc., Ann Arbor, Mich. 319 pp. illust. glossary. \$6.00.
- Peterson, A. 1960. ———. Vol. II. Coleoptera, Diptera, Neuroptera, Siphonaptera, Mecoptera, and Trichoptera. 4th ed. Edwards Bros., Inc., Ann Arbor Mich. 416 pp. illust. glossary. \$7.00.
For the identification of many common insect species in their immature stages. Killing and preserving information, descriptions, feeding habits, and keys.
- Pirone, P. P., B. O. Dodge and H. W. Rickett. 1960. *Diseases and Pests of Ornamental Plants*. 3rd ed. Ronald Press Co., N.Y. 766 pp. illust. \$12.00.
A general introduction to insects and disease organisms of ornamentals followed by the more common problems by plant.
- Rau, P. and N. Rau. 1918. *Wasp Studies Afield* (1969 reprint). Dover Publications, Inc., N.Y. 373 pp. illust. \$3.00.
Observations on the behavior and development of paper wasps, spider hunters, mason wasps, woodborers and others.
- Ribbands, C. R. 1953. *The Behavior and Social Life of Honeybees* (1964 reprint). Dover Publications, Inc., N.Y. 252 pp. illust. \$2.00.
Information on the honeybee.
- Ross, H. H. 1965. *A Textbook of Entomology*. 3rd ed. John Wiley & Sons, Inc., N.Y. 539 pp. \$9.95.
A general college textbook for those interested in the many facets of entomology. Emphasis on anatomy and identification to family.
- Streets, R. B. 1969. *The Diagnosis of Plant Diseases*. Agric. Expt. Sta., Univ. Ariz., Tucson. 222 pp. illust. \$2.00.
Basis and background for determining diseases of plants caused by various nonparasitic conditions, unfavorable environment, bacteria, nematodes, viruses, and fungi.
- Snodgrass, R. E. 1934. *Insects, Their Ways and Means of Living* (1967 reprint). Dover Publications, Inc., N.Y. 362 pp. illust. \$2.00.
Detailed information on such insects as the aphid, grasshopper, cicada, and fly.
- Sweetman, H. L. 1957. *The Principles of Biological Control*. Wm. C. Brown Co., Dubuque, Iowa. 560 pp. illust. OUT-OF-PRINT.
Deals with organisms used against plant and animal pests. Examples of nature's controls put to work by man for his benefit.
- Taylor, N. 1958. *The Guide to Garden Flowers*. Houghton Mifflin Co., Boston, Mass. 315 pp. color illust. \$5.95.
Over 400 flowering plants described and illustrated. Keys. Cultural notes.

Torre-Bueno, J. R. 1962. A glossary of Entomology. Bklyn. Entomol. Soc., Brooklyn, N.Y. 337 pp. plus 36 page supplement. OUT-OF-PRINT.

The most complete glossary of entomological terms.

Urquhart, F. A. 1960. Monarch Butterfly. Univ. of Toronto Press, Toronto, Canada. 361 pp. illust. \$3.95.

A complete study of a migrating butterfly that develops on milkweed.

Wigglesworth, V. B. 1968. The Life of Insects. Mentor Book, New American Library, Inc., N.Y. 383 pp. illust. \$1.50.

Ways in which insects live and function with relatively simple explanations of the biochemistry and physiology involved.

Zweifel, F. W. 1961. A Handbook of Biological Illustrations. Phoenix Sci. Series, Univ. Chicago Press, Chicago, Ill. 131 pp. illust. \$1.95.

"For the biologist who is not an artist and the artist who is not a biologist."

Houghton Mifflin Co., The Peterson Field Guide Series

Borror, Donald J. and Richard E. White. 1970. Field Guide to the Insects of America North of Mexico. Houghton Mifflin Co., Boston, Mass. 404 pp. \$5.95.

Klots, A. B. 1951. A Field Guide to the Butterflies. Houghton Mifflin Co., Boston, Mass. 349 pp. 479 illust. \$4.95.

Excellent, but oriented more to the eastern United States.

Some others in the series deal with Birds, Mammals, Trees and Shrubs.

Wm. C. Brown Co. Series

These books contain keys to families or species of insects and other animals or plants. Each contains an introductory section giving guide lines for collecting, preparing specimens, and using the keys. In some cases a 10 or 20 power hand lens is needed, in others a binocular microscope. All are well illustrated.

Chu, H. F. 1949. How to Know the Immature Insects. Wm. C. Brown Co., Dubuque, Iowa. 234 pp. \$2.75.

Ehrlich, P. R. and A. H. Ehrlich. 1961. How to Know the Butterflies. Wm. C. Brown Co., Dubuque, Iowa. 262 pp. \$3.00.

Helfer, J. R. 1963. How to Know the Grasshoppers, Cockroaches and Their Allies. Wm. C. Brown Co., Dubuque, Iowa, 353 pp. \$3.75.

Jaques, H. E. 1951. How to Know the Beetles. Wm. C. Brown Co., Dubuque, Iowa. 372 pp. \$3.75.

Jaques, H. E. 1947. How to Know the Insects. Wm. C. Brown Co., Dubuque, Iowa. 205 pp. \$2.50.

Kaston, B. J. 1953. How to Know the Spiders. Wm. C. Brown Co., Dubuque, Iowa. 220 pp. \$2.75.

Sweetman, H. L. 1965. Recognition of Structural Pests and Their Damage. Wm. C. Brown Co., Dubuque, Iowa. 371 pp. \$7.75.

Some others in the series deal with Fall Flowers, Grasses, Mammals, Plant Families, Spring Flowers, Weeds, Western Trees.

Yearbooks of Agriculture

These may be available from your U.S. Senator or Representative free upon request. If not, write U.S. Government Printing Office, Wash., D.C. 20402.

Stefferd, A. et al. 1952. Insects—Yearbook of Agriculture. U.S. Gov. Print. Office, Wash., D.C. 20402. 780 pp. color illust. \$3.25.

General information on many aspects of entomology, keys to orders, with emphasis on pest species.

Some others that may be of interest are Grasses, 1948; Trees, 1949; Crops in Peace and War, 1950-51; Plant Diseases, 1953; Water, 1955; Land, 1958; Seeds, 1961; After 100 Years, 1962; Farmer's World, 1964; Consumers All, 1965; Protecting Our Food, 1966; Science for Better Living, 1968.