

Some Ideas for Your Insect Library

Life on a Little Known Planet. H.E. Evans. 1993. Lyons and Burford, Publishing, New York, NY. ISBN 1-55821-249-3. Price: \$14.95.

Probably the best introduction to the world of living insects available. Full of well-written, fascinating stories of common insects and a healthy dose of philosophy.

The Bugs in the System: Insects and Their Impact on Human Affairs M. Berenbaum. 1995. Helix Books; Addison-Wesley Publishing Co. \$15.00 ISBN 0-201-40824-4

Packed with interesting information on a wide variety of topics related to insects: how they develop, their importance in agriculture, historical events involving insects - a bit of everything. Written well and very entertaining.

Pests of the West, Revised. W.S. Cranshaw. 1998. Fulcrum Publishing. Golden, CO. ISBN: 1-55591-097-1. Price: \$19.95.

A book to aid in diagnosing and correcting common garden (vegetables, fruits, flowers) pest problems of the High Plains/Rocky Mountain/Intermountain West. The biology and management of insects are heavily featured in this publication. A good introduction to Integrated Pest Management of regional garden insects.

Borror and DeLong's Introduction to the Study of Insects, 7th Edition. C.A Triplehorn & N.F. Johnson. 2005. Thomson Brooks/Cole Publishing. Belmont, CA . Price: \$106.

This is the standard text for introductory college entomology courses that emphasize insect identification. Excellent keys to adult stages of all North American insect families. Illustrations are among the best for completeness and clarity. A brief description of the biology of each insect family is included. The use of a microscope is usually necessary for most identifications.

Photographic Atlas of Entomology and Guide to Insect Identification. 2000. James L. Castner. Feline Press, Gainesville, FL. ISBN: 0-9625150-4-3. Price \$35 (plus \$5 shipping)

A publication designed to be used for insect identification to the family level. This book uses photographic images to illustrate most features in a very effective manner.

Garden Insects of North America. 2004. W. Cranshaw. Princeton University Press, Princeton, NJ. ISBN: 0-691-09560-4. Price \$29.95 (paperback)

Designed as a field guide to North American insects of garden plants, including vegetables, fruits, flowers, trees/shrubs and turfgrass. The most outstanding feature is the photographs; mention of some 1400 species is made with photographs for most and multiple images for key species. Keys include host plant associations and there is an extensive Diagnostics section in the beginning.

Guide to Common Freshwater Invertebrates of North America. J. Reese Voshell, Jr. 2002. The MacDonald and Woodward Publishing Co. ISBN: 0-939923-87-4. Price: ca \$25

A quite accessible field guide style book on this vast topic. Includes information on habits as well as basic biology.

The Insects: An Outline of Entomology. P.J. Gullan and P.S. Cranston. 2000. Chapman & Hall. New York. Price: about \$17.00. ISBN 0-632-05343-7.

Arguably the best textbook for an introductory entomology course. This does not include identification but is excellent on insect biology and ecology.

Kaufman Field Guide to Insects of North America. 2007. E.R. Eaton and Kenn Kaufman. Houghton Mifflin Company. New York. Price: \$18.95 ISBN 0-618-15310-7
Developing a guide for insects is difficult given their incredible diversity but this new guide is the easiest to use and look at. It is extensively illustrated with photographs (ca 2,350 images) and well organized.

The Book of the Spider: From Arachnophobia to the Love of Spiders. 1994. Paul Hillyard. Random House. New York, NY. ISBN 0-679-40881-9. Price \$25.00
Probably the best book involving spider biology and mythology. An easy read.

Spiders and Their Kin. H.W. Levi and L.Z. Levi. 2001. Golden Guides from St. Martin's Press. St. Martin's Press. New York. ISBN: 1-58238-156-9. Price: \$6.95.
This guide will allow identification of many common spiders to family level and even sometimes to species. Due to its low cost and ease of use, this is probably the best non-technical guide to spider identification.

Spiders of North America: An Identification Manual. 2006. B. Ubick, P. Paquin, P.E. Cushing and V. Roth (eds.) Published by the American Arachnological Society. Price: \$45 + shipping. For ordering information visit <http://www.americanarachnology.org/>
Brand new identification guide to spiders of North America that allows genus level identifications.

Bagging Big Bugs. W.S. Cranshaw and B.C. Kondratieff. 1995. Fulcrum Publishing. Golden, CO. ISBN 1-55591-178-1. Price: \$16.95.
An account of the 100+ largest insects, and other arthropods, found in the High Plains/Rocky Mountain region. Information is given on the biology of the insects, where they might be found, and collecting tips.

Guide to Colorado Insects. W.S. Cranshaw and B.C. Kondratieff. 2006. Westcliffe Publishers. Englewood, CO. ISBN 1-56579-521-0. Price: \$19.95.
This book was designed to increase interest and awareness of insects for kids. However, the information on Colorado insect species abundance and taxonomy is up-to-date and the look of the book is appealing to many adults. Organization is unusual in that insects are grouped together by habits. Despite the title there is some information on spiders and other non-insect terrestrial arthropods.

Insects that Feed on Trees and Shrubs. W.T. Johnson and H.H. Lyon. 1988. Comstock Publishing Associates/Cornell University Press. Ithaca, NY. ISBN 0-8014-2108-X. Price: Approx. \$60.00
A richly illustrated reference of most insects associated with woody plants in the United States. Easy to use and illustrates most Colorado species. (**Note:** The new Extension Bulletin 506A, *Insects and Diseases of Woody Plants of the Central Rockies* also covers this subject area. It is listed below.)

Man Eating Bugs: The Art and Science of Eating Insects. P. Menzl and F. D'Aluisio. 1998. Ten Speed Press/Material World Books. Berkeley, CA. ISBN 1-58008-022-7. Price: \$19.95
The definitive treatment of the use of insects in human diet. Richly illustrated.

Sex in Your Garden. A. Overy. 1997. Fulcrum Publishing. Golden, CO. ISBN 1-55591-335-0
Never have the issues related to insect involvement in pollination ecology been so clearly and graphically discussed. Rated PG-13.

Colorado State University Publications

Available through the University Resource Center (formerly CERC), Colorado State University, 115 General Services Bldg./Rm 4061, Ft. Collins, CO 80523. Phone: (970) 491-6198. FAX: (970) 491-2961. Web address: <http://urc.colostate.edu/>

Insects and Diseases of Woody Plants of the Central Rockies. 2000 with 2004 revision. Multiple authors. Colorado State University Cooperative Extension Publication 506A. Price: \$40.00.

Household Insects of the Rocky Mountain States. 1994. W.S. Cranshaw, M.J. Brewer, S.A. Armbrust and S. LaJeunesse. Colorado State University Cooperative Extension Publication 506A. Price: \$8.50

Turfgrass Insects of Colorado and Northern New Mexico. 1996. W.S. Cranshaw and C. Ward. Colorado State Cooperative Extension Publication 560A. Price: \$8.00.

4-H Entomology Member's Manual. 1996. W. Cranshaw, M. Brewer and S. Blodgett. 93 pp. Cost: ca: \$3.00.

Entomology Fact Sheets from Colorado State University are available on the Web at:
<http://www.ext.colostate.edu/PUBS/INSECT/pubins.html>

Some Insect Museums

The Butterfly Pavilion and Insect Center. This is located at 6252 West 104th Ave in Westminster and is open every day except Monday. Special tours can be made by arrangement.
Phone: (303) 469-5441
Email: www.butterflies.org

The May Museum of Natural History. This is located along the highway running between Colorado Springs and Canon City - marked with a huge rhinoceros beetle at the side of the road. It is open from May 1-October 1. Special arrangements for large groups can be made at other times.

Phone: (719) 576-0450/(800) 666-3840
Email: www.maymuseum-camp-rvpark.com/natural_history.htm

Some Good Web Sites

Iowa State Entomology Index of Internet Resources

<http://www.ent.iastate.edu/List/>

Generally considered to be the best single portal for uncovering entomology-related web sites. One link focuses on K-12 recommended resources.

Insects on the World Wide Web (Virginia Tech)

<http://www.si.edu/resource/faq/nmnh/buginfo/start.htm>

An extensive listing of Entomology Resources on the World Wide Web. This web site is managed in coordination with a college course on Insects and Human Society.

University of Florida "Best of the Bugs"

<http://pests.ifas.ufl.edu/bestbugs/>

Brief overview of what a committee with the Department of Entomology and Nematology at UF/IFAS considers to be among the top 5% of entomology-related web sites

Colorado State University Insects Online Fact Sheets

<http://www.ext.colostate.edu/PUBS/INSECT/pubins.html>

A source for over 90 fact sheets on common and important insects of Colorado.

Entomological Society of America

<http://www.entsoc.org/>

Home page of the national association dedicated to entomological sciences. Links to other entomological associations and departments.

Butterflies and Moths of North America

<http://www.butterfliesandmoths.org/>

Formerly run by the USGS, the butterflies and the moth sites have been relocated to Montana. These are still outstanding sites that serve as a clearing house for information on moths and on butterflies, with numerous images. A bit hard to use, unless you have an idea what your insect might be. Links to many additional sources of information on moths/butterflies.

Grasshoppers of Wyoming and the West

<http://www.sdvc.uwyo.edu/grasshopper/ghwywfrm.htm>

More than one would ever need to know about most grasshopper species found in the west. This site includes excellent images of all stages of common grasshoppers.

BugWood/IPM Images

<http://www.ipmimages.org/>

A repository of insect images (including a great many by CSU personnel), particularly emphasizing those of economic importance. The use of these slides is allowed for all educational purposes; commercial uses do require permission, which is almost always freely given.

Denver Museum of Nature and Science Spider Survey

<http://www.dmns.org/main/minisites/spiders/index.html>

This is the home page for the Colorado Survey, coordinated by Dr. Paula Cushing. There are sections on identification and excellent links to spider material.

The University of Florida Book of Insect Records

<http://ufbir.ifas.ufl.edu>

Provides summaries of information on the largest, fastest, most dangerous... insects in the world. An ongoing project produced by the graduate student program.

Snopes.com Urban Legends Reference Pages

<http://www.snopes.com/index.html>

A site that catalogs all manner of urban legends and rumors. For those with an insect angle click on "Horror" then click on "Insect Infestations".

Suppliers of Insect Collecting Equipment

Ben Meadows Company

3589 Broad St.

Atlanta, GA 30341

Phone: (800) 241-6401

Internet: www.benmeadows.com

Carries sweep nets, pins, killing jar, pinning blocks and one size (12" x 16" x 2.5") of display case.

Bio-Quip Products

2321 Gladwick St.

Rancho Dominguez, CA 90220

Phone: (310) 324-0620

Internet: www.bioquip.com

The most complete source for materials related to insect collection and preservation. BioQuip also carries a very extensive library of entomology-related books.

Blue Spruce Scientific Supply

P.O. Box 6531

Broomfield, CO 80020

Phone: (800) 825-8522

Internet: www.bluesprucescientific.com

Carries most of the basic supplies used in insect collection (sweep nets, pins, display boxes, killing jars).

Carolina Biological Supply

2700 York Rd.

Burlington, NC 27215

Phone: (800) 334-5551

Internet: www.carolina.com

A large biological supply house, they carry #2 pins, a display box and an insect net.

Forestry Suppliers, Inc.

P.O. Box 8397

Jackson, MS 39284-8397

Phone: (800) 647-5368

Internet: www.Forestry-Suppliers.com

Carries a good range of insect collecting and display items.

Gempler's

P.O. Box 270

Belleville, WI 53508

Phone: (800) 382-8473

Internet: www.gemplers.com

Oriented towards pest management, Gempler's sells a variety of insect nets, pheromone other insect traps

Nasco

901 Janesville Ave.

P.O. Box 901

Ft. Atkinson, WI 53538-0901

Phone: (800) 558-9595

Internet: www.eNASCO.com

Carries the basic supplies used in insect collection (sweep nets, pins, display boxes, killing jars)

Science Kit & Boreal Laboratories

777 E. Park Dr. Box 5003

Tonawanda, NY 14150

Phone: (800) 888-7777

Internet: www.sciencekit.com

Carries the basic supplies used in insect collection and a variety of educational materials related to entomology.

Nebraska Scientific

3823 Leavenworth St.

Omaha, NE 68105-1180

Phone: (800) 228-7117

Internet: www.nebraskascientific.com

Carries the basic supplies used in insect collection (sweep nets, pins, display boxes, killing jars)

WARD'S Natural Science

P.O. Box 92919

Rochester, NY 14692-9012

Phone: (800) 962-2660

Internet: www.wardsci.com

A large biological supply house that carries a wide selection of basic insect collecting and display supplies.