



## Library **BIOLOGY** Resources

<http://www.library.astate.edu>

Many types of resources are available to you through the Dean B. Ellis Library. This guide is intended to help you find both print and online biology resources. Please note: this guide is only a starting point for your research, it is not meant to be a comprehensive list of resources. If you need further assistance, please visit the Information Desk in the library.

### Finding Books In The Dean B. Ellis Library

All books in the library are arranged by subject using the Library of Congress classification system for call numbers and subject headings. The call number for agriculture begins with QH1. The basic breakdown is as follows:

QH1 – QH278.5	-	Natural History (General)
QH301 – QH705.5	-	Biology (General)
QK1 – QK989	-	Botany
QL1 – QL991	-	Zoology
QR1 – QR502	-	Microbiology

The numbers that follow these beginning letters relate to the narrower scope of the item. For example: Biology (QH308.2 .B35 2009) vs. Biotechnology – Environmental Aspects (TP248.25 .P137 1995). Occasionally a totally different call number will appear. This means the item is more about the environment and higher importance was given to this subject when the call number was assigned.

### Selected Reference Books

*The Reference collection is located on the second floor of the library.*

Bekoff, Marc, ed. Encyclopedia of Animal Behavior. Westport, CT: Greenwood, 2004.  
**REF QL750.3 .E53 2004**

Benson, Sonia and Rob Nagel. Endangered Species. Detroit: UXL, 2003. **REF QL83 .N35 2003**

Brenner, Sydney and Jeffrey Miller, eds. Encyclopedia of Genetics. London: Academic, 2002.  
**REF QH427 .E53 2002**

Capinera, John L., ed. Encyclopedia of Entomology. Dordrecht: Springer, 2006.  
**Ref. QL462.3 .E47 2006**

Encyclopedia of Bioethics. New York: Macmillan, 2004. **REF QH332 .E52 2004**

Encyclopedia of Life Sciences. New York: John Wiley & Sons, 2005. **REF QH302.5 .E53 2005**

Ganton, D. and K. Ruckpaul, eds. Encyclopedic Reference of Genomics and Proteomics in Molecular Medicine. New York: Springer, 2006. **REF QH447 .E25 2006**

Grzimek's Animal Life Encyclopedia. Detroit: Gale, 2004. **REF QL7 .G7813 2004**

Hancock, John M. and Marketa Zvelebil eds. Dictionary of Bioinformatics and Computational Biology. Hoboken, NJ: John Wiley & Sons, 2004. **REF QH324.2 .D53 2004**

Levin, Simon Asher, ed. Encyclopedia of Biodiversity. San Diego: Academic, 2001. **REF QH541.15 .B56 E53 2001**

Stearn, William T. Botanical Latin. Portland: Timber, 1995. **REF QK10 .S7 1995**

## Current Books That Can Be Checked Out

*\*\*You can use the call number to browse the shelf for similar materials\*\* These books are labeled "General Collection" in the online catalog and are located on the third, fourth, and fifth floors of the library. If the books are checked out you may place a recall or hold at the Circulation desk.*

Cowie, Jonathan. Climate Change: Biological and Human Aspects. Cambridge: Cambridge UP, 2007. **QC981.8 .C5 C766 2007**

Knox, George A. Biology of the Southern Ocean. Boca Raton: CRC P, 2007. **QH96.58 .K58 2007**

Lehane, M. J. Biology of Blood-Sucking in Insects. Cambridge: Cambridge UP, 2007. **QL494 .L34 2005**

Macdonald, David W., ed. Key Topics in Conservation Biology. Malden, MA: Blackwell, 2007. **QH75 .K47 2007**

Vo-Dinh, Tuan, ed. Nanotechnology in Biology and Medicine: Methods, Devices, and Applications. Boca Raton: CRC P, 2007. **R857 .N34 N36 2007**

## Online Databases, Indexes & Abstracts

*Some of these databases provide the full text of the articles, while others provide only citations and/or abstracts. All are accessed by clicking on the "Article Databases" link from the library homepage.*

Database	Full Text	Other Information
<b>Biological Abstracts</b>	Some	Extensive scholarly coverage of biology
<b>Biological and Agricultural Index Plus</b>	Some	Core literature of biology and agriculture
<b>General Science Full Text (1984-)</b>	Some	Includes popular and scholarly articles
<b>GreenFILE</b>	Some	Scholarly, government, and general-interest titles
<b>IOP Science</b>	All	Journals, magazines, and websites across many scientific, technical, and medical disciplines
<b>JSTOR</b>	All	Scholarly journals full text, from beginning excluding the most recent 2 to 3 years
<b>Ovid</b>	Some	Many scholarly sources within multiple disciplines
<b>ScienceDirect</b>	Some	Full text limited to currently held paper publications
<b>Web of Science</b>	No	Scholarly sources: some from 1994 to present

## Print Indexes & Abstracts

*Indexes and abstracts will also lead you to journal and magazine articles on your topic. The printed indexes and abstracts are located in the Reference area of the library.*

Entomology Abstracts, 1970- (Abstract shelves)  
Zoological Record, 1949- (Abstract shelves)

## Available Print Journals In The Dean B. Ellis Library

*Print journals from 1980 to present are located on the second floor in the tower and are shelved alphabetically by the title of the journal.*

American Journal of Botany	Journal of Cell Biology
American Naturalist	Journal of Fish Biology
Applied and Environmental Microbiology	Journal of Marine Research
Aquaculture Magazine	Journal of Zoology
Bioscience	Microbiology
Botanical Review	Mycologia
Ecology	National Wildlife
Freshwater Biology	Plant and Cell Physiology
Integrative and Comparative Biology	Plant Physiology
Invertebrate Biology	

## Currently Available Online Journals

*Online journals are accessed via the library's web page by clicking on "Electronic and Print Journals Catalog".*

Online Journal Title	Available Through
ACS Chemical Biology	American Chemical Society Web Editions
Freshwater Biology	Blackwell-Synergy
Human Biology	Project MUSE – Premium Collection (2007)
Journal of Fish Biology	Blackwell-Synergy
Perspectives in Biology and Medicine	Project MUSE – Premium Collection (2007)
Systematic Biology	InformaWorld

## Web Sites - Government

<http://www.aphis.usda.gov/> Animal and Plant Health Inspection Service  
<http://www.afrrri.usuhs.mil/> Armed Forces Radiobiology Research Institute  
<http://www.nih.gov/sigs/bioethics/> Bioethics Resources on the Web  
<http://www.nih.gov/science/models/> Model Organisms for Biomedical Research  
<http://www.ncbi.nlm.nih.gov/> National Center for Biotechnology Information  
<http://www.mnh.si.edu/> National Museum of History  
<http://www.nsf.gov/bio/> National Science Foundation, Biological Sciences  
<http://www.sil.si.edu/> Smithsonian Institution Libraries  
<http://biology.usgs.gov/> USGS, Biological Resources

## Web Sites - Other Biology Related

<http://www.ascb.org/> American Society for Cell Biology  
<http://www.ashs.org/> American Society for Horticultural Science  
<http://www.asm.org/> American Society for Microbiology  
<http://www.aoac.org/> AOAC International  
<http://www.bio.org/> Biotechnology Industry Organization  
<http://www.faseb.org/> Federation of American Societies for Experimental Biology  
<http://www.iubs.org/> International Union of Biological Sciences

## Microforms

*Microforms are located on the second floor of the library. You may make prints from the microfiche and microfilm for 10 cents per page.*

United States. Congress. House. Committee on Transportation and Infrastructure. Subcommittee on Water Resources and Environment. The Impact of Aquatic Invasive Species on the Great Lakes: Hearing Before the Subcommittees on Water Resources and Environment of the Committee on Transportation and Infrastructure, House of Representatives, One Hundred Tenth Congress, First Session, March 7, 2007. [Microfiche]. Washington: U.S. G.P.O., 2007. **Y 4.T 68/2:110-14**

United States Congress. House. Committee on Homeland Security. Subcommittee on the Prevention of Nuclear and Biological Attack. Creating a Nationwide Integrated Biosurveillance Network: Hearing Before the Subcommittee on Prevention of Nuclear and Biological Attack of the Committee on Homeland Security, House of Representatives, One Hundred Ninth Congress, Second Session, May 11, 2006. [Microfiche]. Washington: U.S. G.P.O., 2007 **Y 4.H 75:109-76**

United States. Congress. House. Committee on Homeland Security. Subcommittee on the Prevention of Nuclear and Biological Attack. Protecting the Homeland: Fighting Pandemic Flu From the Front Lines: Joint Hearing Before the Subcommittee on the Prevention of Nuclear and Biological Attack Joint with the Subcommittee on Emergency Preparedness, Science, and Technology of the Committee on Homeland Security, House of Representatives, One Hundred Ninth Congress, Second Session, February 8, 2006. [Microfiche]. Washington: U.S. G.P.O., 2007 **Y 4.H 75:109-61**

## Media

*All media items are located in the Media Services department on the first floor of the library.*

Cellular Respiration. DVD. Princeton, NJ: Films for the Humanities & Sciences, 2005.  
**QH633 .C452 2005**

Classroom Challenge: Debating Darwin in the 21<sup>st</sup> Century. DVD. Princeton, NJ: Films for the Humanities & Sciences, 2006. **BL263 .C53 2006**

Glycolysis and Cellular Respiration: The Biology of Energy. DVD. Colorado Springs, CO: Great Pacific Media, 2006. **QH633 .G59 2006**

Intelligent Design Vs. Evolution. DVD. Princeton, NJ: Films for the Humanities & Sciences, 2005.  
**BL263 .I58 2006**

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