

What's New at Parks Library? – January 2010

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Happy New Year from your librarian!

I hope everyone had an enjoyable winter break---aside from ALL of the snow and FREEZING temperatures!!

If you have purchase suggestions (books, DVDs, etc.), please email them to me. Also, I am still maintaining a “journal wishlist” for new journals. If the Library does not have subscriptions to journals that are vital to your research and teaching, please send me the information.

If you are planning on including any research assignments in your courses this semester, please contact me if you are interested in having me provide instruction to your class. If you are interested in learning more about library resources (e.g. PubMed search tips, current awareness tools, etc.), please contact me via email to schedule an appointment. I can also meet with your research group. I currently have class presentations scheduled for VPTH 656: Cellular & Molecular Pathology II, Global Resource Systems 201, and a microbiology graduate student seminar.

Have a great semester! --Andrea

Newsletter highlights include:

- *Journal of Food Protection* now available online
- *Fish and Fisheries Worldwide* index is renamed
- *PLoS One* now indexed by Web of Science
- Looking for images to include in classroom presentations? Check out two government sources for images related to science.
- Comics and science education – recent article from the *Journal of Science Communication*
- Talking Glossary of Genetic Terms – a great resource for undergraduates!
- EarthTrends: The Environmental Information Portal – environmental information from the World Resources Institute
- Recently received books at Parks Library.

Journal of Food Protection now available online

The *Journal of Food Protection* is now available online. Please note, the publisher only allows subscribers access to the years they have paid, so the Library's online holdings will start with **v. 73, no. 1, 2010**. If you need articles from prior years, the print copies are available at Parks Library, Call number: TX537 J6.

Fish and Fisheries Worldwide index is renamed

The EBSCOHost index, *Fish and Fisheries Worldwide* has a new name. The new name is *Fish, Fisheries & Aquatic Biodiversity Worldwide*. More important is the recent addition of 400,000 records, increasing its record count to over 1,150,000!

Fish, Fisheries & Aquatic Biodiversity Worldwide combines databases on all facets of ichthyology, fisheries, aquaculture and aquatic biology. Included in this collection are records from the now ceased database Aquatic Biology, Aquaculture, & Fisheries Resources (ABAFR), plus twelve of the world's major fish and fisheries databases, including FISHLIT, Aquatic Biology Citations (ABC), the Fishing Industry Research Index (FIRI), Fisheries Review, and a database from the Worldfish Center's Library. With excellent world coverage, this database includes research on aquaculture species ranging from culture and propagation to genetics, behavior, ecology and habitat. With over 1,150,000 citations and abstracts dating back to the 1970s, this resource is essential for those dealing with all aspects of fish and aquatic biology.

PLoS One Now Indexed by Web of Science

The following message is reposted from the PLoS blog:

“Today we learned that by the end of this week PLoS ONE (in keeping with all other PLoS journals) will be indexed by the Web of Science – this is an important literature discovery tool that many people use and so we are pleased to be indexed. PLoS ONE is also indexed by a host of other services such as PubMed, MEDLINE, PubMed Central, Scopus, Google Scholar, the Chemical Abstracts Service (CAS), EMBASE, AGRICOLA, PsycINFO, Zoological Records, FSTA (Food Science and Technology Abstracts), GeoRef, and RefAware.”

Read the complete posting: <http://www.plos.org/cms/node/506>

Looking for images to include in classroom presentations?

Selected Internet Resources --Government Resources for Science Images

URL: <http://www.loc.gov/rr/scitech/selected-internet/imagesources.html>

From the Library of Congress. Includes links to sites related to agriculture, biology, conservation, energy, and more!

U.S. Government Photos and Images

URL: <http://www.usa.gov/Topics/Graphics.shtml>

Includes links to photo galleries from agencies such as the EPA, NIH, and U.S. Fish and Wildlife Service.

Comics and science education

From the *Journal of Science Communication*,

M. Tatalovic. Science comics as tools for science education and communication: a brief, exploratory study.

Abstract: "Comics are a popular art form especially among children and as such provide a potential medium for science education and communication. In an attempt to present science comics in a museum exhibit I found many science themed comics and graphic books. Here I attempt to provide an overview of already available comics that communicate science, the genre of 'science comics'. I also provide a quick literature review for evidence that comics can indeed be efficiently used for promoting scientific literacy via education and communication. I address the issue of lack of studies about science comics and their readers and suggest some possible reasons for this as well as some questions that could be addressed in future studies on the effect these comics may have on science communication."

The full-text of this article is available, click on the PDF file:

<http://jcom.sissa.it/archive/08/04/Jcom0804%282009%29A02/>

The following books are available at Parks Library:

[Stuff of Life: A Graphic Guide to Genetics & DNA](#)

[The Cartoon Guide to Genetics](#)

Talking Glossary of Genetic Terms

One of my favorite resources, Talking Glossary of Genetic Terms, has been updated and expanded.

URL: <http://www.genome.gov/glossary/index.cfm>

"The National Human Genome Research Institute (NHGRI) created the Talking Glossary of Genetic Terms to help everyone understand the terms and concepts used in genetic research.

In addition to definitions, specialists in the field of genetics share their descriptions of terms, and many terms include images, animation and links to related terms.”

EarthTrends: The Environmental Information Portal

“EarthTrends is a comprehensive online database, maintained by the World Resources Institute that focuses on the environmental, social, and economic trends that shape our world. The Portal offers and an online collection of information regarding the environmental, social, and economic trends that shape our world. Committed to the principle that accurate information drives responsible decisions by governments and individuals, EarthTrends offers the public a large breadth of statistical, graphic, and analytical data in easily accessible formats.”

URL: <http://earthtrends.wri.org/index.php>

New Books at Parks Library

	SCIENCE -- GENERAL
Q125 L64x 2009	The limits to governance : the challenge of policy-making for the new life sciences /
Q126 H46x 2009	100 most important science ideas : key concepts in genetics, physics and mathematics /
Q130 S364 2009	The science on women and science /
QA11.2 J36 2009	Teaching the female brain : how girls learn math and science /
Q173 G355 2009	When you were a tadpole and I was a fish : and other speculations about this and that /
Q175 .B163 2009	Scientific models in philosophy of science /
Q175 .T2245 2009	Science and the quest for meaning /
Q175 G67x 2009	Philosophy of science : a beginner's guide /
Q175 S5734 2010	An introduction to science and technology studies /
Q175.5 S3498x 2009	Science for policy : new challenges, new opportunities /
Q180 A1 V35 2009	Doing science : design, analysis, and communication of scientific research /
Q180 A1 S338 2009	So you want to be a scientist? /
Q180.55 M4 P58 2009	Understanding research : a consumer's guide /
Q223 D43 2009	Am I making myself clear? : a scientist's guide to talking to the public /
Q223 O47 2009	Don't be such a scientist : talking substance in an age of style /
	SCIENCE -- EDUCATION
Q181 L745 2010	Essentials of science classroom assessment /
Q182.3 E965 2009	The Exploratorium science snackbook : cook up over 100 hands-on science exhibits from everyday materials /
Q183.3 A1 P757 2009	Professional learning communities for science teaching : lessons from research and practice /

	BIOMATHEMATICS - BIOINFORMATICS
QH323.5 L64 2009	Mathematical methods in biology /
QH323.5 S665x 2009	Dynamic models and control of biological systems /
QH324.2 .B578 2010	Biological data mining /
QH324.2 J56x 2009	Fuzzy systems in bioinformatics and computational biology /
QH324.2 K36x 2009	Bioinformation discovery : data to knowledge in biology /
	EVOLUTION
QH361 A54 2008	Fifty years of Darwinism : modern aspects of evolution /
QH365 O8 R49 2010	The Origin then and now : an interpretive guide to the Origin of species /
QH365 Z9 P76 2009	Darwin's camera : art and photography in the theory of evolution /
QH366.2 D374 2009	The greatest show on Earth : the evidence for evolution /
	GENETICS
QH380 T73x 2009	Transposons and the dynamic genome /
QH430 M46x 2009	Advanced genetic analysis : genes, genomes, and networks in eukaryotes /
QH431 K556 2009	Human genetic diversity : functional consequences for health and disease /
QH431 T296 2009	Not a chimp : the hunt to find the genes that make us human /
QH438.7 G41155 2009	Gene patents and collaborative licensing models : patent pools, clearinghouses, open source models and liability regimes /
QH438.7 H36 2009	Handbook of genetics and society : mapping the new genomic era /
QH445.7 B66 2009	Chimeras, hybrids, and interspecies research : politics and policymaking /
QH481 W47 2009	Sex allocation /
	BIOPHYSICS & MOLECULAR BIOLOGY
QH505 H36x 2009	Handbook of single-molecule biophysics /
QH506 B565x 2009	Computer simulation and data analysis in molecular biology and biophysics : an introduction using R /
QH506 P28x 2009	Fundamentals of molecular biology /
	NATURE CONSERVATION - BIOGEOGRAPHY
QH75 G636 2009	Hope for animals and their world : how endangered species are being rescued from the brink /
QH77 A8 G73 2009	The Great Barrier Reef : biology, environment and management /
QH77 A8 M357 2009	On our watch : the race to save Australia's environment /
QH83 Y66 2009	Naming nature : the clash between instinct and science /
QH87.3 W43 2009	Salt marshes : a natural and unnatural history /
QH95 C74x 2009	World ocean census : a global survey of marine life /
QH95.8 S54 2009	The biology of coral reefs /
	ECOLOGY
QH541.15 C44 M855x 2009	Hands-on chemical ecology : simple field and laboratory exercises /
QH541.15 M64 A86x	Atmospheric and biological environmental monitoring /

2009	
QH541.15 S62 S615 2010	Spatial ecology /
QH541.2 .R45 2009	Dreaming the biosphere : the theater of all possibilities /
QH541.2 S76x 2009	Smart by nature : schooling for sustainability /
QH541.5 F6 F6625x 2009	Forest ecology : recent advances in plant ecology /
QH541.5.S3 M2829 2009	Marine macroecology /
QH541.5.W3 A565 2010	Analytical measurements in aquatic environments /
QH544 P646x 2009	Phenology of ecosystem processes : applications in global change research /
QH545 W26 B73 2009	War and nature : the environmental consequences of war in a globalized world /
QH545.A1 S34 2009	Critical transitions in nature and society /
	CYTOLOGY - STEM CELLS
QH582.4 W65 2009	How we live and why we die : the secret lives of cells /
QH588 S83 E87 2009	Essentials of stem cell biology /
QH588 S83 G68 2009	The global politics of human embryonic stem cell science : regenerative medicine in transition /
QH588 S83 S56 2009	Should the government fund embryonic stem cell research? /
	BOTANY
QK154 K57 2009	The biology of coral reefs /
QK157 M6225 2009	Tropical trees of Florida and the Virgin Islands : a guide to identification, characteristics and uses /
QK45.2 B5613 2008	Flowering plants : smartweeds to hazelnuts /
QK475 S46x 2009	Plant biology for cultural heritage : biodeterioration and conservation /
QK495 A1 T345 2009	The Sibley guide to trees /
QK495 C11 L58 2009	Flowering plants /
QK495 G4 C53x 2009	Texas cacti /
QK495 G74 E745 2010	Systematics of Glossoloma (Gesneriaceae) /
QK495 L52 S67 2009	Essential oil-bearing grasses : the genus Cymbopogon /
QK587.5 N67 M33 2009	Legume nodulation : a global perspective /
QK604.2 M92 A38x 2009	Macrolichens of the Pacific Northwest /
QK617 T86 2009	Advances in mycorrhizal science and technology /
QK725 .W39 2009	Mushrooms of the Pacific Northwest /
QK725 N48x 2009	Plant cell biology : from astronomy to zoology /
QK725 R43x 2009	Plant cell and tissue culture : a tool in biotechnology : basics and application /
QK754 S563 2009	Reactive oxygen species in plant signaling /
QK898 P4 P43 2009	Signal cross talk in plant stress responses /
QK917 H35 2006	Pectins and pectinases /
QK983 H47 2009	Venus flytraps, bladderworts, and other wild and amazing plants /
	FISHES

QL638 C94 E87x 2009	Inland fishes of the greater Southwest : chronicle of a vanishing biota /
QL639.25 D484 2009	Essential zebrafish methods : cell and developmental biology /
QL666 L2 L596 2009	Development of non-teleost fishes /
	BIRDS
QL677.79 I58 B53 2009	Extreme birds : the world's most extraordinary and bizarre birds /
QL681 C33x 2009	Avian invasions : the ecology and evolution of exotic birds /
QL683 E27 S74 2009	Shorebirds of North America, Europe, and Asia : a photographic guide /
QL683 W4 S74 2009	Birds of Eastern North America : a photographic guide /
QL684 H3 C66x 2009	Birds of Western North America : a photographic guide /
QL690 G7 W5265 2009	Conservation biology of Hawaiian forest birds : implications for island avifauna /
QL696 A558 H36 2009	Bird conservation and agriculture /
QL696 F34 D38 2008	World of hummingbirds /
QL696.T7 F677 2009	Falcons of North America /
QL698.9 H84x 2009	Trogons : a natural history of the trogonidae /
QL701.2 B46 2009	The migration of birds : seasons on the wing /
	NEUROSCIENCE
QP360.5 G35 2009	The genetics of cognitive neuroscience /
QP376 A4225 2009	Memory and the computational brain : why cognitive science will transform neuroscience /
QP382 F7 G653 2009	The lives of the brain : human evolution and the organ of mind /
QP383.15 C67x 2009 text	The new executive brain : frontal lobes in a complex world /
QP383.25 H52 2008	Cortical mechanisms of vision /
QP477.5 L36x 2009	Hippocampal place fields : relevance to learning and memory /
QP517 C45 B44x 2009	Looking and acting : vision and eye movements in natural behaviour /
	BIOCHEMISTRY
QP517 C45 G65 2009	Cellular signaling in health and disease /
QP517 P76 P76 2009	Signal transduction /
QP519.9 F58 F578 2009	Protein targeting with small molecules : chemical biology techniques and applications /
QP551 L53 2009	Fluorescence applications in biotechnology and life sciences /
QP552 C96 F53 2008	Proteomics : a Cold Spring Harbor Laboratory course manual /
QP552 U24 M63x 2009	Fibrous proteins /
QP572 T5 T566 2009	Modulation of protein stability in cancer therapy /
QP620 H63 2009	Thyroid hormones : functions, related diseases and uses /
QP623 G54x 2009	The molecules of life : DNA, RNA, and proteins /
QP702 G48 C44x 2009	RNA purification and analysis : sample preparation, extraction, chromatography /
QP751 C45x 2009	Chemistry, biochemistry, and biology of (1-3)-[beta]-lucans and related polysaccharides /

QP752 F35 F387 2009	Cellular lipid metabolism /
QP771 F73 2009	Fatty acids in health promotion and disease causation /
QP801 A3 A434 2009	Vitamin discoveries and disasters : history, science, and controversies /
	MICROBIOLOGY
QR171 I6 P74x 2009	Microbial safety of fresh produce /
QR177 .S64 2009	Prebiotics and probiotics /
QR181 E54 2009	Rising plague : the global threat from deadly bacteria and our dwindling arsenal to fight them /
QR188.3 E65 2009	Immunology : understanding the immune system /
QR188.4 N48 2009	The epigenetics of autoimmune diseases /
QR201 C25 B45 2009	Microbial host-interaction : tolerance versus allergy /
QR351 P765x 2009	Campylobacter : a practical approach to the organism and its control in foods /
QR395 H65x 2009	Prokaryotic symbionts in plants /
QR46 G6713 2009	The evolution and emergence of RNA viruses /
QR60 A23x 2009	Laboratory disease : Robert Koch's medical bacteriology /
QR73.8 U53x 2009	ABC transporters in microorganisms : research, innovation and value as targets against drug resistance /
QR74 C45x 2009	Uncultivated microorganisms /

	ANIMAL SCIENCE
SF203 E88x 2009	Establishment of a feeding standard for beef cattle and a feed database for the Indochinese Peninsula /
SF290 N7 L964 2009	The official horse breeds standards book : the complete guide to the standards of all North American equine breed associations /
SF396.5 V64x 2009	Voluntary feed intake in pigs /
SF407 P7 R45x 2008	Environmental enrichment and refinement for nonhuman primates kept in research laboratories : a photographic documentation and literature review /
SF433 F73 2009	The wolf in the parlor : the eternal connection between humans and dogs /
SF433 H73 2009	Inside of a dog : what dogs see, smell, and know /
SF523 B72x 2009	Bees and their role in forest livelihoods : a guide to the services provided by bees and the sustainable harvesting, processing and marketing of their products /
SF756.7 E838 2009	The ethology of domestic animals : an introductory text /
SF757.5 H67x 2009	Hormones and pharmaceuticals generated by concentrated animal feeding operations : transport in water and soil /
SF95 K3296 2009	Livestock feeds and feeding /