

What's New at the Parks Library? – August 2009

Compiled by Andrea Dinkelman

Librarian for the Departments of Animal Science; Ecology, Evolution, & Organismal Biology; and Genetics, Development & Cell Biology

Welcome back! I hope you'll take a few moments to read the latest news from Parks Library. Highlights include:

- Welcome to new faculty and graduate students.
- Check out the LibraryGuides for your subject area.
- Increased access to content in Biosis Previews and Web of Science.
- Changes to SciFinder Scholar – now available as a web version!
- National Technical Reports Library (NTRL) – now available
- Recently received books at the Library. **Warning** ----there are **LOTS** of news titles, but they are listed by broad subject categories, so hopefully you can quickly spot what you're looking for! (I intended to send this out earlier in the summer, but the time slipped by.)

Have a great semester! --Andrea

Welcome New Faculty & Graduate Students

If you are new to Iowa State and would like a quick overview of Library resources and services, please contact me to schedule an appointment. (Email: adinkelm@iastate.edu)

I will be meeting with new graduate students in Animal Science on August 31 (as part of Animal Science 501). I am also working with Trish Stauble to meet with new graduate students in Bioinformatics & Computational Biology; this will most likely occur in October.

In the meantime, there QuickStart guides available for new faculty and graduate students on the Library website:

New Faculty: <http://www.lib.iastate.edu/news-article/2025/100406>

New Graduate Students: <http://www.lib.iastate.edu/news-article/2025/100407>

Check out the LibraryGuides for information about resources related to your discipline

Guides are available for the following areas: Animal Science, Biology, Bioinformatics & Computational Biology, Ecology, Evolution & Organismal Biology, and Genetics, Development & Cell Biology.

More information: <http://instr.iastate.libguides.com/profile.php?uid=1531>

If you would like a guide for a specific course, please contact me. I'm currently working on a guide for students who are enrolled in Biology 312: Ecology. Also, if you would like to have additional resources added to the existing guides, please contact me.

Web of Knowledge News - Biosis Previews and Web of Science Changes

The Library now has access to content in Biosis Previews from 1926 to the present. Prior to this subscription change, only content from 1980 onward was available. This greatly expands access to the scientific literature published before 1980. Biosis Previews covers virtually every life science discipline: agriculture, biochemistry, biotechnology, botany, ecology, immunology, microbiology, neuroscience, pharmacology, public health, and toxicology.

The Library also has access to expanded content in the **Science Citation Index** that is part of the Web of Science. The coverage is 1900 to the present. (Former access was 1945 – present.) The portion of the index that covers 1900 – 1944 is known as the Century of Science. The list of journals that are part of the Century of Science is available [here](#).

From the publisher's website: "Century of Science delivers comprehensive backfile and cited reference data from 1900 to 1944. Combined with existing Web of Science backfiles, this carefully selected and evaluated collection delivers to users the most influential scientific research information from the 20th century." The following screenshot is an example of a citation from a 1931 article in the American Journal of Physiology; the article has been cited 102 times, most recently in 2008.

A problem in the coagulation of the blood "sweet clover disease of cattle"

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more options

Author(s): Roderick LM

Source: AMERICAN JOURNAL OF PHYSIOLOGY Volume: 96 Issue: 2 Pages: 413-425 Published: FEB 1931

Times Cited: 102 References: 23 [Citation Map](#)

Document Type: Article

Language: English

Publisher: AMER PHYSIOLOGICAL SOC, 9650 ROCKVILLE PIKE, BETHESDA, MD 20814 USA

Subject Category: Physiology

IDS Number: V35XI

ISSN: 0002-9513

Cited by: 102

This article has been cited 102 times (from Web of Science).

Roncales FJ [Oral anticoagulants: warfarin or acenocumaryl? MEDICINA CLINICA](#) 131 3 98-100 JUN 21 2008

Wardrop D, Keeling D [The story of the discovery of heparin and warfarin BRITISH JOURNAL OF HAEMATOLOGY](#) 141 6 757-763 JUN 2008

Wang CP, Yagi K, Lin PJ, et al. [Identification of a gene encoding a typical gamma-carboxyglutamic acid domain in the tunicate Halocynthia roretzi JOURNAL OF THROMBOSIS AND HAEMOSTASIS](#) 1 1 118-123 JAN 2003

[[view all 102 citing articles](#)]

SciFinder Scholar Changes

SciFinder Scholar is now available via the web. There are now two ways to access SciFinder Scholar, a web version or the client version. This change took place earlier this summer.

More information about both versions: <http://www.lib.iastate.edu/collections/db/scifnd2007.html>

National Technical Reports Library (NTRL)

(<http://www.lib.iastate.edu/collections/db/ntrlxx.html>)

“The NTRL (National Technical Reports Library) provides access to information on over 2 million technical reports from U.S. government sponsored research in a wide variety of subject areas. Coverage is from 1964 to the present. Full-text links are provided for many reports.”

If there is no full-text link, please contact me as the Library has many of the older reports on microform.

New Books at Parks Library

Recently Received Titles – Bioinformatics

	BIOINFORMATICS
QH323.5 D86x 2009	Biometric system and data analysis : design, evaluation, and data mining /
QH323.5 Z37 2010	Biostatistical analysis /
QH324.2 .N43 2009	Probabilistic methods for bioinformatics : with an introduction to Bayesian networks /
QH324.2 .S47 2009	Sequence alignment : methods, models, concepts, and strategies /
QH324.2 .V35 2009	Combinatorial pattern matching algorithms in computational biology using Perl and R /
QH324.2 B47x 2009	Building bioinformatics solutions with Perl, R and MySQL /
QH324.2 B5453x 2009	Bioinformatics : applications in life and environmental sciences /
QH324.2 B57x 2009 text	Bioinformatics for systems biology /
QH324.2 M365 2008	Bioinformatics and systems biology : collaborative research and resources /
QH324.2 M63x 2009	Modern genome annotation : the BioSapiens Network /
QH324.2 S4613 2008	Applied bioinformatics : an introduction /
QH324.2 S76 2009	Structural bioinformatics /

Evolution & Genetics

	EVOLUTION
QH360.5 B87 2009	But is it science? : the philosophical question in the creation/evolution controversy /
QH361 .C275 2009	Remarkable creatures : epic adventures in the search for the origins of species /
QH365 O2 2009	The annotated Origin : a facsimile of the first edition of On the origin of species /
QH366.2 .E863 2009	Evolution : the first four billion years /
QH367 .S395 2009	Evolution vs. creationism : an introduction /
QH367 A13 2009	99% ape : how evolution adds up /
QH367.5 M47 2009	Perspectives in animal phylogeny and evolution /
	GENETICS
QH430 S68 2009	Principles of genetics /
QH434 M53x 2009	Microbial megaplasids /
QH437 S38x 2009	Stuff of life : a graphic guide to genetics and DNA /
QH438.5 G55 2009	Ecological developmental biology : integrating epigenetics, medicine, and evolution /
QH442 G446 2009	Genetic engineering /
QH442 R865 2010	iGenetics : a molecular approach /
QH447 .L43 2009	Why us? : how science rediscovered the mystery of ourselves /
QH447 U86x 2009	Computing for comparative microbial genomics : bioinformatics for microbiologists /
QH450.2 C375 2009	Transcriptional regulation in eukaryotes : concepts, strategies, and techniques /
QH455 A33x 2008	Adaptation and fitness in animal populations : evolutionary and breeding perspectives on genetic resource management /
QH491 M559513 2009	Forms of becoming : the evolutionary biology of development /

Cell Biology

	CELL BIOLOGY
QH581.2 E78 2010 text	Essential cell biology /
QH588 S83 S7382 2009	Stem cell research /
QH603 G6 M67x 2009	The Golgi apparatus : the first 100 years /
QH603 I54 G75 2009	Structure, function, and modulation of neuronal voltage-gated ion channels /
QH603 M5 H93x 2008	Hydrogenosomes and mitosomes : mitochondria of anaerobic eukaryotes /
QH605 M427 2009	Meiosis /

Ecology

	ECOLOGY
QH541 R34x 2009	Real world ecology : large-scale and long-term case studies and methods /
QH541 W6334 2009	Introduction to biomes /
QH541.15 E245 R43x 2008	Reconciling human existence with ecological integrity : science, ethics, economics and law /
QH541.15 S72 M59x 2009	Mixed effects models and extensions in ecology with R /
QH541.15.F73 C65 2009	Ecology of fragmented landscapes /
QH541.5 C65 E53x 2009	Enclosed experimental ecosystems and scale : tools for understanding and managing coastal ecosystems /
QH541.5 D4 W36 2009	The biology of deserts /
QH541.5 E8 C63 2009 text	Coastal wetlands : an integrated ecosystem approach /
QH541.5 E8 E48 2009	Environmental assessment of estuarine ecosystems : a case study /

BOTANY – ZOOLOGY & ENTOMOLOGY – FISHES & AMPHIBIANS – BIRDS - WOLVES - BEARS - PRIMATES - PRAIRIE DOGS

	BOTANY
QK100 A1 S74 2009	Wicked plants : the weed that killed Lincoln's mother & other botanical atrocities /
QK110 D86 2009	Prairie spring /
QK495 G74 T39 2009	A guide to Florida grasses /
QK495 M9 W67x 2008	World checklist of Myrtaceae /
QK495 P17 D73x 2008	Genera Palmarum : the evolution and classification of palms /
QK495 S7 E45 2008	Solanaceae and convolvulaceae - secondary metabolites : biosynthesis, chemotaxonomy, biological and economic significance : a handbook /
QK495.G74 Y68 2009	Cheatgrass : fire and forage on the range /
QK533 B715 2009	Bryophyte biology /
QK549.5 O24x 2008	Illustrated moss flora of Antarctica /
QK604.2 E53 C44 2009	Ecology and evolution of the grass-endophyte symbiosis /
QK604.5 B56 2008	Macrofungi associated with oaks of Eastern North America /
QK605.7 N6 V65x 2007	A little illustrated book of common mushrooms of Newfoundland and Labrador /
QK621 P9 G35x 2008	Phytophthora : identifying species by morphology and DNA fingerprints /
QK635 A1 B665 2009	The social amoebae : the biology of cellular slime molds /
QK641 C76x 2009	The molecular organography of plants /
QK644 R6528x 2009	Root hairs /
QK649 G74x 2008	Extraordinary leaves /
QK660 S78x 2008	Fruit : edible, inedible, incredible /
QK661 .S558 2009	An orchard invisible : a natural history of seeds /
QK711.2 N623 2009	Physicochemical and environmental plant physiology /
QK725 C49x 2009	The chloroplast : interactions with the environment /
QK725 F94x 2009	Functional organization of the plant nucleus /
QK725 P5655 2008	Plant microtubules : development and flexibility /

QK861 B64x 2009	The geography of phytochemical races /
QK898 P764 C44x 2009	Chemistry and biology of ellagitannins : an underestimated class of bioactive plant polyphenols /
QK901 .R53 2009	Green planet : how plants keep the Earth alive /
	ZOOLOGY & ENTOMOLOGY
QL151 W56 2009	Wild moments : adventures with animals of the north /
QL31 A58 A3 2008x	Snakebit : confessions of a herpetologist /
QL391 A6 A56 2009	Annelids in modern biology /
QL391 N4 A54x 2008	An anecdotal history of nematology /
QL462.3 D46x 2009	Ane's encyclopedic dictionary of general & applied entomology /
QL463 .P48 2009	Phenotypic plasticity of insects : mechanisms and consequences /
QL466 C475 2008	Amazing insects : images of fascinating creatures /
QL496 .O74 2009	Organization of insect societies : from genome to sociocomplexity /
QL537 E4 S56x 2008	The Systematics of New World Clinocera Meigen (Diptera: Empididae: Clinocerinae) /
QL537 G4 L43 2008	Collection of entomological baseline data for tsetse area-wide integrated pest management programmes /
	FISHES - AMPHIBIANS
QL638.6 .L37 2009	Sharks and rays of Australia /
QL638.9 S4537 2007	Shark nursery grounds of the Gulf of Mexico and the East Coast waters of the United States /
QL639 G43 2009	Atlas of fish histology /
QL639.1 .F44 2008	Feeding and digestive functions of fishes /
QL651 D54 2008	The frog book : North American toads and frogs, with a study of the habits and life histories of those of the northeastern states /
QL653 H3 B37 2009	Guide and reference to the amphibians of western North America (north of Mexico) and Hawaii /
QL666 O6 B3294 2009	Guide and reference to the snakes of western North America (north of Mexico) and Hawaii /
QL668 E2 E585 2009 text	The frogs and toads of North America : a comprehensive guide to their identification, behavior, and calls /
QL669.8 U73x 2008	Urban herpetology /
	BIRDS
QL673 Y69 2009	The armchair birder : discovering the secret lives of familiar birds /
QL676.5 R66835 2009	Backyard bird secrets for every season : attract a variety of nesting, feeding, and singing birds year-round /
QL677.5 .M96 2009	Birdscapes : birds in our imagination and experience /
QL683 W4 C66 2009	Afield : forty years of birding the American West /
QL685.7 .I58 2009	An inventory of breeding seabirds of the Caribbean /
QL690 G7 Y15 2009	The history of British birds /
QL690 I7 A53x 2008	Birds of Ireland : facts, folklore & history /
QL691 E18 B73x 2009	Birds of East Asia : China, Taiwan, Korea, Japan, and Russia /
QL691 P18 G75x 2008	Birds of Pakistan /
QL693 C478 2008	Systematics and taxonomy of Australian birds /
QL696 A558 T55 2008	The complete book of hummingbirds /
QL696 P63 D47x 2008	Albatross : their world, their ways /
QL696 S8 K66x 2008b	Owls of the world /
QL698.9 K47 2009	How birds migrate /
	WOLVES - BEARS - PRIMATES - PRAIRIE DOGS

QL737 C22 R37x 2009	Recovery of gray wolves in the Great Lakes Region of the United States : an endangered species success story /
QL737 C23 T676x 2008	Wildcat haven /
QL737 C27 B78 2007	Bears : a brief history /
QL737 E753 W37x 2008	A prickly affair : my life with hedgehogs /
QL737 P9 A7513x 2008	Monkeys and apes in the wild /
QL737 P9 P67242 2008	Primate craniofacial function and biology /
QL737 P9 S68x 2009	South American primates : comparative perspectives in the study of behavior, ecology, and conservation /
QL737 P915 S65 2008	Spider monkeys : behavior, ecology, and evolution of the genus Ateles /
QL737 P96 O737 2009	Orangutans : geographic variation in behavioral ecology and conservation /
QL737 P96 S3813x 2008	Thinkers of the jungle /
QL737.C27 K595 2008	Grizzly wars : the public fight over the great bear /
QL737.R68 S56 2009	Prairie dogs : communication and community in an animal society /

ANATOMY – ENDOCRINOLOGY – NEUROSCIENCE -

	ANATOMY
QM16 H34 A53 2009	The anatomy of Body Worlds : critical essays on the plastinated cadavers of Gunther von Hagens /
QM451 N64 2009	The human brain : an introduction to its functional anatomy /
QM557 G38 2009	Color atlas of histology /
QM691 B63 2009	Freaks of nature : what anomalies tell us about development and evolution /
QM691 V53 2008	Victorian freaks : the social context of freakery in Britain /
	ENDOCRINOLOGY
QP187 G589 2009	Basic medical endocrinology /
QP187.5 G47 2008	Genomics in endocrinology : DNA microarray analysis in endocrine health and disease /
	NEUROSCIENCE
QP360 B413 2008	Introduction to neuropsychology /
QP360 B52 2008	Iconoclast : a neuroscientist reveals how to think differently /
QP360 S594 2007	Social neuroscience : integrating biological and psychological explanations of social behavior /
QP360.5 F68 2009	Foundations in evolutionary cognitive neuroscience /
QP360.5 P65 2008	Neuroeconomics : a guide to the new science of making choices /
QP360.7 B73x 2008	Brain-computer interfaces : an international assessment of research and development trends /
QP376 B69542 2009	The brain /
QP376 F67x 2009	Mindfield : how brain science is changing our world /
QP376 H291513x 2008	Brain, attachment, personality : an introduction to neuroaffective development /
QP376 H86 2009	The human amygdala /

QP376 M58275x 2009	Mirror neuron systems : the role of mirroring processes in social cognition /
QP376 R5613 2008	Mirrors in the brain : how our minds share actions and emotions /
QP376 T36 2009	Embracing the wide sky : a tour across the horizons of the mind /
QP376 Z39 2009	Splendors and miseries of the brain : love, creativity, and the quest for human happiness /

PCR – RNA INTERFERENCE – MICROARRAYS – APTAMERS MICROBIOLOGY

	PCR - RNA INTERFERENCE - MICROARRAYS - APTAMERS
QP606 D46 R435x 2009	Real-time PCR : current technology and applications /
QP623.5 S63 R55 2009	RNA interference : methods for plants and animals /
QP624 H635 2008	DNA from A to Z & back again : a primer on genomics & molecular medicine for...everyone /
QP624.5 D726 M513 2009	Microarray methods and protocols /
QP624.5 D726 M53 2009	Microarrays : preparation, microfluidics, detection methods, and biological applications /
QP625 O47 A685x 2009	Aptamers in bioanalysis /
	MICROBIOLOGY
QR115 V67x 2008	Viruses in food : scientific advice to support risk management activities : meeting report.
QR122 M535x 2008	Microbiological hazards in fresh leafy vegetables and herbs : meeting report.
QR13 M523x 2009	Microbial evolution and co-adaptation : a tribute to the life and scientific legacies of Joshua Lederberg : workshop summary /
QR151 B575x 2009	Biology of microorganisms on grapes, in must and in wine /
QR171.16 H36 2009	Handbook of probiotics and prebiotics /
QR182.2 I46 F56 2008	Bioinformatics for vaccinology /
QR185.2 N82 2008	Nucleic acids in innate immunity /
QR351 .H85 2009	Comparative plant virology /
QR351 P525x 2009	Plant pathogenic bacteria : genomics and molecular biology /
QR395 R584 2009	RNA viruses : host gene responses to infections /
QR41.2 .D88 2009	Living at micro scale : the unexpected physics of being small /
QR46 L473 2009	Who are we? : microbes, the puppet masters! /
QR46 M4683 2009	Medical microbiology /

	ANIMAL SCIENCE
SF99 D5 U84x 2008	Using distillers grains in the U.S. and international livestock and poultry industries /
SF198 E33 2008	Storey's illustrated breed guide to sheep, goats, cattle, and pigs : 163 breeds from common to rare /
SF209.5 C66 2007	Oxen : a teamster's guide /
SF279 S665 2009	Equine color genetics /
SF283 .K437 2009	The horse in human history /
SF311 D36 2008	Draft horses and mules : harnessing equine power for farm & show /
SF336 K63 C47 2009	Kokomo Joe : the story of the first Japanese American jockey in the United States /
SF383 A68 2009	How to raise goats : everything you need to know : meat, milk, fiber & pet goats, breed guide & purchasing, proper care & healthy feeding, showing advice /
SF395.8 A1 S63x 2009	Small-enterprise swine 2007 : reference of management practices on small-enterprise swine operations in the United States, 2007.
SF487 D27 2009	Prisoned chickens, poisoned eggs : an inside look at the modern poultry industry /
SF55 D44 C37x 2009	Capacity building to implement good animal welfare practices : report of the FAO Expert Meeting, FAO Headquarters, Rome, 30 September - 3 October 2008 /