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Life is the Action of Signs
Transmissions and Transmutations
Innovative Strategies for Teaching in the Plant Sciences

QUENTIN HALLIE

Special Focus on the Biology of Aging CRC Press
Arthritis is an inflammatory disease affecting the joints and surrounding tissues. As the disease develops it can cause severe pain and disability. The two most common types of arthritis are osteoarthritis and rheumatoid arthritis. Osteoarthritis (OA) is a painful, degenerative joint disease that often involves the hips, knees, neck, lower back, or the small joints of the hands. Treatment usually includes analgesics, topical creams, or non-steroidal anti-inflammatory medications (known as NSAIDs); appropriate exercises or physical therapy; joint splinting; or joint replacement surgery for seriously damaged larger joints, such as the knee or hip. Rheumatoid arthritis (RA) is an autoimmune inflammatory disease that usually involves the hands, wrists, elbows, shoulders, knees, feet, or ankles. Focus on Arthritis Research brings together leading research in the field.
Developing Learner-Centered Teaching John Wiley & Sons
"Written for the upper-level undergraduate or graduate-level course, Marine Environmental Biology and Conservation provides an introduction to the environmental and anthropogenic threats facing the world's oceans and outlines the steps that can and should be taken to protect these vital habitats"--
The Biology and Identification of the Coccidia (Apicomplexa) of Turtles of the World John Wiley & Sons
Principles of Cell Biology, Third Edition is an educational, eye-opening text with an emphasis on how evolution shapes organisms on the cellular level. Students will learn the material through 14 comprehensible principles, which give context to the underlying theme that make the details fit together.
Using the Biological Literature Duke University Press
Medical Cell Biology, Third Edition, focuses on the scientific aspects of cell biology important to medical students, dental students, veterinary students, and prehealth undergraduates. With its National Board-type questions, this book is specifically designed to prepare students for this exam. The book maintains a concise focus on eukaryotic cell biology as it relates to human and animal disease, all within a manageable 300-page format. This is accomplished by explaining general cell biology principles in the context of organ systems and disease. This updated version contains 60% new material and all new clinical cases. New topics include apoptosis and cell death from a neural perspective; signal transduction as it relates to normal and abnormal heart function; and cell cycle and cell division related to cancer biology. 60% New Material! New Topics include: Apoptosis and cell dealth from a neural perspective Signal transduction as it relates to normal and abnormal heart function Cell cycle and cell division related to cancer biology All new clinical cases Serves as a prep guide to the National Medical Board Exam with sample board-style questions (using Exam Master(R) technology): www.exammaster.com Focuses on eukaryotic cell biology as it related to human disease, thus making the subject more accessible to pre-med and pre-health students
A Practical Guide for Faculty Pearson
Innovative Strategies for Teaching in the Plant Sciences focuses on innovative ways in which educators can enrich the plant science content being taught in universities and secondary schools. Drawing on contributions from scholars around the world, various methods of teaching plant science is demonstrated. Specifically, core concepts from ethnobotany can be used to foster the development of connections between students, their environment, and other cultures around the world. Furthermore, the volume presents different ways to incorporate local methods and technology into a hands-on approach to teaching and learning in the plant sciences. Written by leaders in the field, Innovative Strategies for Teaching in the Plant Sciences is a valuable resource for teachers and graduate students in the plant sciences.
Marine Environmental Biology and Conservation Academic Press
" On April 30, 1975, Saigon and the government of South Vietnam fell to the communist regime of North Vietnam, ending -- for American military forces -- exactly twenty-five year of courageous but unavailing struggle. This is not the story of how America became embroiled in a conflict in a small country half-way around the globe, nor of why our armed forces remained there so long after the futility of our efforts became obvious to many. It is the story of what went wrong there militarily, and why. The author is a professional soldier who experienced the Vietnam war in the field and in the highest command echelons. General Palmer's insights into the key events and decisions that shaped American's military role in Vietnam are uncommonly perceptive. America's most serious error, he believes, was committing its armed forces to a war in which neither political nor military goals were ever fully articulated by our civilian leaders. Our armed forces, lacking clear objectives, failed to develop an appropriate strategy, instead relinquishing the offensive to Hanoi. Yet an achievable strategy could have been devised, Palmer believes. Moreover, our South Vietnamese allies could have been bolstered by appropriate aid but were instead overwhelmed by the massive American military presence. Compounding these errors were the flawed civilian and military chains of command. The result was defeat for America and disaster for South Vietnam. General Palmer presents here an insider's history of the war and an astute critique of America's military strengths and successes as well as its weaknesses and failures.
Educating Americans for the 21st Century Jones & Bartlett Publishers
The Biology and Identification of the Coccidia (Apicomplexa) of Turtles of the World is an invaluable resource for researchers in protozoology, coccidia, and parasitology, veterinary sciences, animal sciences, zoology, and biology. This first-of-its-kind work offers a taxonomic guide to apicomplexan parasites of turtles that enables easy parasite identification, with a summary of virtually everything known about the biology of each known parasite species. It is an important documentation of this specific area, useful to a broad base of readers, including researchers in biology, parasitology, animal husbandry, diseases of wild and domestic animals, veterinary medicine, and faculty members in universities with graduate programs in these areas. There are

about 330 turtle species on Earth; many are endangered, a growing number of species are kept as pets, and some are still used as food by humans. Turtles, like other vertebrate animals have many different kinds of parasites (viruses, bacteria, protozoa, worms, arthropods, and others). Coccidiosis in turtles has prevented large-scale turtle breeding, and represents a serious problem in need of control. This succinct and highly focused book will aid in that effort. Offers line drawings and photomicrographs of each parasite from each hosts species Provides methods of identification and treatment Presents a complete historical rendition of all known publications on coccidia (and their closest relatives) from all turtle species on Earth, and evaluates the scientific and scholarly merit of each Provides a complete species analysis of the known biology of every coccidian described from turtles Reviews the most current taxonomy of turtles and their phylogenetic relationships needed to help assess host-specificity and evaluate what little cross-transmission work is available

Drawings as Metaphor Academic Press

This self-contained laboratory manual is designed for an introduction to biology. Contains updated coverage of a prokaryotic cell; an introduction of three domains of the biotic world in the classification of organisms; a discussion of Fungi Imperfecti; forty-one self-contained exercises; over 250 figures and several color photos of hard-to-see microscopic subjects. Emphasizes the scientific method throughout. For an introduction to biology.

A Plan of Action for Improving Mathematics, Science and Technology Education for All American Elementary and Secondary Students So that Their Achievement is the Best in the World by 1995 : Source Materials University Press of Kentucky

With increased attention paid to resilience, teamwork, and professionalism, the fourth edition of FOCUS ON COLLEGE SUCCESS recognizes the varied experiences of today's students and guides them to be more motivated and focused. The research-based approach builds a solid foundation, allowing students see the relevancy of this course to their lives. By helping students develop realistic expectations of what it takes to learn, FOCUS ON COLLEGE SUCCESS motivates and encourages students with direct applications and immediate results. Written by Constance Staley, one of the best-known names in the field of motivation, this text increases the credibility of the college success course by providing tools that help students succeed and thereby improve institutional retention rates. Starting with the use of the FOCUS Challenge Cases that introduce each chapter, FOCUS ON COLLEGE SUCCESS strikes a personal and informal conversation with readers--directly connecting with them and drawing them into text discussions. In a recent survey of students using FOCUS, 97% would recommend that their professor use this book again with next year's first-year students. Many students today are over-optionalized and over-obligated. FOCUS ON COLLEGE SUCCESS addresses those issues head-on, creating teachable moments—and concrete results—in every class period. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

ENC Focus Elsevier

Developing Learner-Centered Teaching offers a step-by-step plan for transforming any course from teacher-centered to the more engaging learner-centered model. Filled with self-assessments and worksheets that are based on each of the five practices identified in Maryellen Weimer's Learner-Centered Teaching, this groundbreaking book gives instructors, faculty developers, and instructional designers a practical and effective resource for putting the learner-centered model into action.

Global Perspectives and Forensic Approaches CRC Press

Written by international experts, The Biology and Fisheries of the Slipper Lobster provides comprehensive coverage of the known biology, ecology, behavior, physiology, evolutionary history, and genetics of the numerous species in the family Scyllaridae. It covers fishing methods and regulations, size and composition of catches, fisheries management, and distribution of those particular species that are targeted species or by-products of other fisheries. The book takes a comparative approach to understanding fisheries in different regions of the world and examines management plans that have failed and those that have succeeded.

Vivarium Springer Nature

This state-of-the art research Handbook provides a comprehensive, coherent, current synthesis of the empirical and theoretical research concerning teaching and learning in science and lays down a foundation upon which future research can be built. The contributors, all leading experts in their research areas, represent the international and gender diversity that exists in the science education research community. As a whole, the Handbook of Research on Science Education demonstrates that science education is alive and well and illustrates its vitality. It is an essential resource for the entire science education community, including veteran and emerging researchers, university faculty, graduate students, practitioners in the schools, and science education professionals outside of universities. The National Association for Research in Science Teaching (NARST) endorses the Handbook of Research on Science Education as an important and valuable synthesis of the current knowledge in the field of science education by leading individuals in the field. For more information on NARST, please visit: http://www.narst.org/.

FOCUS on College Success Springer Nature

Throughout North America, non-native wild pigs have become an ecologically and economically destructive invasive species. Though they are regarded as a popular game species by some, provide economic benefits to others, and are even engrained into societal heritage in some areas, wild pigs are responsible for an extraordinary amount of damage in both natural and anthropogenic systems throughout North America. As the density and range of wild pig habitat have substantially increased over the last several decades, the magnitude and diversity of their negative impacts are not yet fully realized or quantified. With various conflicts continually emerging, wild pig management is difficult and expensive to achieve. As a result, wild pigs represent one of the greatest wildlife management challenges North America faces in the 21st century. Invasive Wild Pigs in North America: Ecology, Impacts, and Management addresses all aspects of wild pig biology, ecology, damage, and management in a single comprehensive volume. It assimilates and organizes information on the most destructive introduced vertebrate species in the United States, establishing a foundation from which managers, researchers, policy makers, and other stakeholders can build upon into the future. The book provides comprehensive coverage of wild pig biology and ecology, techniques for management and research, and regional chapters. It is an asset to readers interested in wild pigs, the resources they impact, and how to mitigate those impacts, and establishes a vision of the

future of wild pigs in North America. Features: Compiles valuable knowledge for a broad audience including wild pig managers, researchers, adversaries, and enthusiasts from across North America Addresses taxonomy, morphology, genetics, physiology, spatial ecology, population dynamics, diseases and parasites, and the naturalized niche of wild pigs Includes chapters on damage to resources, management, research methods, human dimensions and education, and policy and legislation Contains full color images and case studies of interesting and informative situations being created by wild pigs throughout North America Includes a chapter on wild pigs at the wildland–urban interface, a more recent and especially challenging issue

Invasive Wild Pigs in North America Routledge

Campbell Biology in FocusBenjamin-Cummings Publishing Company

Focus on Arthritis Research Springer

NOTE: This loose-leaf, three-hole punched version of the textbook gives you the flexibility to take only what you need to class and add your own notes -- all at an affordable price. For loose-leaf editions that include MyLab(tm) or Mastering(tm), several versions may exist for each title and registrations are not transferable. You may need a Course ID, provided by your instructor, to register for and use MyLab or Mastering products. For introductory biology course for science majors Focus. Practice. Engage. Built unit-by-unit, Campbell Biology in Focus achieves a balance between breadth and depth of concepts to move students away from memorization. Streamlined content enables students to prioritize essential biology content, concepts, and scientific skills that are needed to develop conceptual understanding and an ability to apply their knowledge in future courses. Every unit takes an approach to streamlining the material to best fit the needs of instructors and students, based on reviews of over 1,000 syllabi from across the country, surveys, curriculum initiatives, reviews, discussions with hundreds of biology professors, and the Vision and Change in Undergraduate Biology Education report. Maintaining the Campbell hallmark standards of accuracy, clarity, and pedagogical innovation, the 3rd Edition builds on this foundation to help students make connections across chapters, interpret real data, and synthesize their knowledge. The new edition integrates new, key scientific findings throughout and offers more than 450 videos and animations in Mastering Biology and embedded in the new Pearson eText to help students actively learn, retain tough course concepts, and successfully engage with their studies and assessments. Also available with Mastering Biology By combining trusted author content with digital tools and a flexible platform, Mastering personalizes the learning experience and improves results for each student. Integrate dynamic content and tools with Mastering Biology and enable students to practice, build skills, and apply their knowledge. Built for, and directly tied to the text, Mastering Biology enables an extension of learning, allowing students a platform to practice, learn, and apply outside of the classroom. Note: You are purchasing a standalone product; Mastering Biology does not come packaged with this content. Students, if interested in purchasing this title with Mastering Biology ask your instructor for the correct package ISBN and Course ID. Instructors, contact your Pearson representative for more information. If you would like to purchase both the loose-leaf version of the text and Mastering Biology search for: 0134988361 / 9780134988368 Campbell Biology in Focus, Loose-Leaf Plus Mastering Biology with Pearson eText -- Access Card Package Package consists of: 013489572X / 9780134895727 Campbell Biology in Focus, Loose-Leaf Edition 013487451X / 9780134874517 Mastering Biology with Pearson eText -- ValuePack Access Card -- for Campbell Biology in Focus

Evolution and Ecology on a Gaian Planet Oxford University Press

Taken from the earlier book Priceless Florida (and modified for a stand-alone book), this volume discusses the well-drained areas of Florida, including high pine grasslands, flatwoods and prairies, interior scrub, hardwood hammocks, rocklands and caves, and beach dunes.

Epigenetic Landscapes Brooks/Cole Publishing Company

Science competitions test a student’s level of knowledge, power of scientific reasoning, and analytical thinking outside of the regular school curriculum. A systematic approach and smart study regimen are both required to get good results in science competitions. In this book, you will find many tips and tricks for how to study and prepare for science olympiads. Moreover, you will learn how to: • boost your motivation • cope with failures and anxiety before the tests • defeat procrastination • manage your time • memorize information quicker and more effectively • organize your study material • read a science textbook • plan your study schedule • develop practical skills • get into and survive in the lab. Furthermore, you will find essential test-taking strategies for tackling the olympiad exams and example-based tips on how to develop critical thinking and problem solving skills.

Handbook of Research on Science Education Jones & Bartlett Learning

This cutting-edge title is one of the first devoted entirely to the issue of carbofuran and wildlife mortality. It features a compilation of international contributions from policy-makers, researchers, conservationists and forensic practitioners and provides a summary of the history and mode of action of carbofuran, and its current global use. It covers wildlife mortality stemming from legal and illegal uses to this point, outlines wildlife rehabilitation, forensic and conservation approaches, and discuss global trends in responding to the wildlife mortality. The subject of carbofuran is very timely because of recent parallel discussions to withdraw and reinstate the insecticide in different parts of the world. Incidences of intentional and unintentional wildlife poisonings using carbofuran are undeniably on the rise, especially in Africa and India and gatherings of stakeholders are being organized and convened on a global basis. There is still a need to consolidate information on the different experiences and approaches taken by stakeholders. Carbofuran and Wildlife Poisoning is a comprehensive overview of global wildlife mortality, forensic developments and monitoring techniques and is a definitive reference on the subject. It comprises of historical and current perspectives, contributions from key stakeholders in the issue of global wildlife poisonings with carbofuran, people on the ground who deal with the immediate and long-term ramifications to wildlife, those who have proposed or are working towards mitigative measures and solutions, those in contact with intentional or unintentional 'offenders', those who have adapted and developed forensic methodology and are gathering evidence. "Carbofuran and Wildlife Poisoning is a collection of meticulously researched papers from all around the world that provide shocking facts about the effects of a deadly insecticide on wildlife. The book discusses the hundreds of thousands of animals, from elephants to fish, that are poisoned each year, the efforts to rehabilitate those which have been rescued, and the often heroic efforts to ban or reduce the use of the deadly chemical. This book is a must for all those concerned with the problem." —Jane

Goodall, PhD, DBE, Founder - the Jane Goodall Institute & UN Messenger of Peace, October 2011

A Dynamical Systems Approach John Wiley & Sons

This monograph sketches out a broad spectrum of problems (from evolution and metabolism to morphogenesis and biogeographical dynamics) whose solution has been impacted by mathematical models. Each of the selected examples has led to the recognition—and set direction to further study—of certain fundamental but unintuitive properties of biological systems, such as the making and breaking of specific symmetries that underlie morphogenesis. Whether they are long-established or only recently accepted, these models are selected for being thought-provoking and illuminating both the achievements and the gaps in our current understanding of the given area of biology. The selection of models is also meant to bring to the fore the existing degree of unity in the quantitative approach to diverse general-biological questions and in the systems-level properties that are discovered across the levels of biological organization. It is the thesis of this book that further cultivation of such unity is a way forward as we progress toward a general theory of living matter. This is an ideal book for students (in the broadest sense) of biology who wish to learn from this attempt to present the exemplary models, their methodological lessons, and the outline of a unified theory of living matter that is now beginning to emerge. In addition to a doctoral student preparing for quantitative biology research, this reader could also be an interdisciplinary scientist transitioning to biology. The latter—for example, a physicist or an engineer—may be comfortable with the mathematical apparatus and prepared to quickly enter the intended area of work, but desires a broader foundation in biology from the quantitative perspective.

An Index to Undergraduate Science Rowman & Littlefield

In 900 text pages, Campbell Biology in Focus emphasizes the essential content and scientific skills needed for success in the college introductory course for biology majors. Each unit streamlines content to best fit the needs of instructors and students, based on surveys, curriculum initiatives, reviews, discussions with hundreds of biology professors, and careful analyses of course syllabi. Every chapter includes a Scientific Skills Exercise that builds skills in graphing, interpreting data, experimental design, and math—skills biology majors need in order to succeed in their upper-level courses. This briefer book upholds the Campbell hallmark standards of accuracy, clarity, and pedagogical innovation.

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