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Biology Elsevier

Includes subject section, name section, and 1968-1970, technical reports.

The Spirit of Animal Healing John Wiley & Sons

The Encyclopedia of Animal Behavior, Three Volume Set has engaged with great success the efforts of many of the best behavioral biologists of the 21st century. Section editors drawn from the most accomplished behavioral scientists of their generation have enrolled an international cast of highly respected thinkers and writers all of whom have taken great care and joy in illuminating every imaginable corner of animal behavior. This comprehensive work covers not only the usual topics such as communication, learning, sexual selection, navigation, and the history of the field, but also emerging topics in cognition, animal welfare, conservation, and applications of animal behavior. The large section on animal cognition brings together many of the world's experts on the subject to provide a comprehensive overview of this rapidly developing area. Chapters relating to animal welfare give a full view of behavioral interactions of humans with companion animals, farm animals, and animals in the wild. The key role of animal behavior in conservation biology receives broad attention, including chapters on topics such as the effects of noise pollution, captive breeding, and how the behavioral effects of parasites interacts with conservation issues. Animal behavior in environmental biology is highlighted in chapters on the effects of endocrine disruptors on behavior and a large number of chapters on key species, such as wolves, chimpanzees, hyenas and sharks. Clear, accessible writing complements a wealth of information for undergraduate college students about the essential concepts of animal behavior and the application of those concepts across the field. In-depth coverage of concepts, methods, and exemplar organisms serves the needs of graduate students and professionals in the field. From the use of behavior in assessing the welfare of pigs to the social behavior of insects, from animal empathy to bat brains, this authoritative reference, with its in-depth introductory articles, rich array of illustrations, interactive cross-referenced links, and numerous suggested readings, can guide the student or the professional to an expanded appreciation of the far-flung world of animal behavior. An invaluable tool for teaching and a source of enrichment and detail for any topic covered in an animal behavior course, the Encyclopedia of Animal Behavior is the definitive reference work in its field and will be for years to come. Comprehensive work which covers the usual topics along with emerging areas of animal behavior This encyclopedia contains clear, accessible writing and is well illustrated, including an online video, complimenting a wealth of information As an online reference, this work will be subject to period updating. This ensures that the work always remains current Contains in-depth introductions to the material that make each well-illustrated section come alive with the best the new content the discipline has to offer Glossary includes a compendium of behavioral terms that

form a succinct mosaic of virtually every concept and phenomenon related to animal behavior Section editors, drawn from around the world, represent the best and the brightest among today's behavioral biologists and have recruited a broad range of internationally recognized experts Editors-in-Chief are experienced scientists and writers who between them have authored or edited eight books and teach courses in animal behavior at their respective universities

Education Series Routledge

Principles of Animal Nutrition deals with classification and function of nutrients, deficiency symptoms, digestive processes, characterization of feedstuffs and formulation of diets for domestic animals. Animal nutrition entails the study of the composition and characteristics of the material consumed by the animal, the manner in which this material is metabolized (converted, utilized, and excreted) in the digestive tract and body cells of mono gastric animals (pigs, broilers, layers), ruminants (sheep, cattle, goats), and lower digestive tract fermenters (horses, ostriches). The nutrient requirements of different species animals for various production functions are also addressed. Nutrition is important for a variety of reasons. Animals need the proper nutrition for growth and maintenance, and to provide energy for work and vital functions. Maintenance is the nutrition required for an animal to maintain its current weight. Energy is the ability of the body to perform functions. Proper nutrition is also needed to maintain body temperature, produce milk, reproduce, and develop proper bone structures. Without proper nutrition, animals can develop health problems, which could result in treatment costs or even fatality. Good nutrition is essential for all of the systems of an animal to function and work together properly. This book contains the fundamental and basic information of subject and the selection of contents makes it an appropriate book for the students as well as for scholars.

Encyclopedia of Animal Behavior Routledge

From reviews of previous editions: "This is the standard reference about Texas mammals."

—Wildlife Activist "A must for anyone seriously interested in the wildlife of Texas." —Texas Outdoor

Writers Association News "[This book] easily fills the role of both a field guide and a desk reference, and is written in a style that appeals to the professional biologist and amateur naturalist alike. . . . [It] should prove useful to anyone with an interest in the mammal fauna of Texas or the southern Great Plains." —Prairie Naturalist The Mammals of Texas has been the standard reference since the first edition was coauthored by William B. Davis and Walter P. Taylor in 1947. Revised several times over the succeeding decades, it remains the most authoritative source of information on the mammalian wildlife of Texas, with physical descriptions and life histories for 202 species, abundant photographs and drawings, and distribution maps. In this new edition, David J. Schmidly is joined by one of the most active researchers on Texas mammals, Robert D. Bradley, to provide a thorough update of the taxonomy, distribution, and natural history of all species of wild mammals that inhabit Texas today. Using the most recent advances in molecular biology and in wildlife ecology and management, the authors include the most current information about the scientific nomenclature, taxonomy, and identification of species, while also covering significant advances in natural history and conservation.

A Just Peace Through Transformation St. Martin's Press

Tests for repeated patterns in evolution of island plants, which together comprise an 'island syndrome' analogous to animals.

Books in Print

The Imperial Animal offers a compelling perspective on the controversy over humans and their biology. This now-classic study is about the social bonds that hold us together and the antisocial theories that drive us apart. The authors divulge how the evolutionary past of the species, reflected in genetic codes, determines our present and coerces our future. This book gives us a direct and intimate look at how we see ourselves. It offers insight into our politics, our ways of learning and teaching, reproducing and producing, playing and fighting. The authors assert that the purpose of this book is twofold: to describe what is known about the evolution of human behavior, and then to

try to show how the consequences of this evolution affect our behavior today. To do this they draw from numerous disciplines—zoology, biology, history, and primatology, among others. In the new introduction, Tiger and Fox outline then- reasons for originally writing the book as well as the process they used to do their research. The Imperial Animal is a classic work that will continue to be of interest to sociologists, zoologists, biologists, and primatologists.

Basics of Animal Communication Macmillan

Combining research approaches from biology, philosophy and linguistics, the field of Biosemiotics proposes that animals, plants and single cells all engage in semiosis – the conversion of objective signals into conventional signs. This has important implications and applications for issues ranging from natural selection to animal behavior and human psychology, leaving biosemiotics at the cutting edge of the research on the fundamentals of life. Drawing on an international expertise, the book details the history and study of biosemiotics, and provides a state-of-the-art summary of the current work in this new field. And, with relevance to a wide range of disciplines – from linguistics and semiotics to evolutionary phenomena and the philosophy of biology – the book provides an important text for both students and established researchers, while marking a vital step in the evolution of a new biological paradigm.

Research Grants Index Scientific e-Resources

Discover why animals do what they do, based on their genes, physiologies, cultures, traditions, survival and mating advantages, and evolutionary histories—and find out how studying behavior in the animal world helps us understand human behavior. The three volumes of Animal Behavior: How and Why Animals Do the Things They Do cover the breadth of the field, addressing causation, development, function, and evolution in a wide range of animals, from invertebrates to humans. Inspired by Nobel laureate Nikolaas Tinbergen's work, the first two volumes follow Tinbergen's four classic questions of animal behavior, while the third volume supplies integrated examples of Tinbergen's investigative process applied in specific cases. Written in an engaging, accessible manner ideal for college students as well as general audiences, this evidence-based collection provides a fascinating tour of animal behaviorists' findings, such as how animal communication can be truthful or deceitful, the deadly serious business behind clashes in the "battle of the sexes," and how documentation of animal behavior can lead to a deeper understanding of human behavior. Each chapter provides both historical background and information about current developments in animal behavior knowledge.

Biology of Animals The Rosen Publishing Group

Despite the wealth of natural historical research conducted on migration over decades, there is still a dearth of hypothesis-driven studies that fully integrate theory and empirical analyses to understand the causes and consequences of migration, and a taxonomic bias towards birds in much migration research. This book takes a comparative, integrated view of animal migration, linking evolution with ecology and management, theory with empirical research, and embracing all the major migratory taxa (including human pastoralists). The scope extends beyond the target organism to consider the ecosystem-level dynamics of migration. The emphasis is on exciting new research avenues that are now opening up, whether due to advances in our understanding of migration as a biological phenomenon or through the availability of a range of new technologies. Broad themes that emerge include integrating migration into the broad spectrum of movement behaviour, the need for a comparative and cross-taxonomic approach that considers migration at a range of temporal and spatial scales, and examination of the key roles of resource uncertainty and spatial heterogeneity in driving migratory behaviour. The book identifies the potential for new tools to revolutionise the study of migration, including satellite-tracking technology, genomics, and modelling - all of which are linked to increasing computing power. We are now on the verge of a breakthrough in migration research, which is crucial given the multiple threats that face the conservation of migration as a phenomenon, including climate change.

Animal Migration Springer Nature

A Publishers Weekly Best Book One of the New York Public Library's "25 Books to Remember" for 1999 Lavishly illustrated and meticulously researched, filled with fascinating facts and astonishing descriptions of animal behavior, Bruce Bagemihl's *Biological Exuberance* is a landmark book that will change forever how we look at nature. Homosexuality in its myriad forms has been scientifically documented in more than 450 species of mammals, birds, reptiles, insects, and other animals worldwide. *Biological Exuberance* is the first comprehensive account of the subject, bringing together accurate, accessible, and nonsensationalized information. Drawing upon a rich body of zoological research spanning more than two centuries, Bagemihl shows that animals engage in all types of nonreproductive sexual behavior. Sexual and gender expression in the animal world displays exuberant variety, including same-sex courtship, pair-bonding, sex, and co-parenting—even instances of lifelong homosexual bonding in species that do not have lifelong heterosexual bonding. Part 1, "A Polysexual, Polygendered World," begins with a survey of homosexuality, transgender, and nonreproductive heterosexuality in animals and then delves into the broader implications of these findings, including a valuable perspective on human diversity. Bagemihl also examines the hidden assumptions behind the way biologists look at natural systems and suggests a fresh perspective based on the synthesis of contemporary scientific insights with traditional knowledge from indigenous cultures. Part 2, "A Wondrous Bestiary," profiles more than 190 species in which scientific observers have noted homosexual or transgender behavior. Each profile is a verbal and visual "snapshot" of one or more closely related bird or mammal species, containing all the documentation required to support the author's often controversial conclusions.

Essentials of Biology Presented in Problems John Wiley & Sons

Concepts of Biology is designed for the typical introductory biology course for nonmajors, covering standard scope and sequence requirements. The text includes interesting applications and conveys the major themes of biology, with content that is meaningful and easy to understand. The book is designed to demonstrate biology concepts and to promote scientific literacy.

Biology, the World of Life University of Texas Press

"... an essential examination of how animals assemble the basic tool kit that we call the mind: the ability to count, to navigate, to recognize individuals, to communicate, and to socialize."--Jacket.

The Teaching of Biology in the Secondary School St. Martin's Essentials

Innovation is an important component of behavioural plasticity vital to the survival of individuals and potentially of critical importance to those endangered or threatened species forced to adjust to changed or impoverished environments. This text provides a comprehensive study of this subject.

Principles of Animal Nutrition SAGE

This Open Access book brings together authoritative voices in animal and environmental ethics, who address the many different facets of changing human-animal relationships in the Anthropocene. As we are living in complex times, the issue of how to establish meaningful relationships with other animals under Anthropocene conditions needs to be approached from a multitude of angles. This book offers the reader insight into the different discussions that exist around the topics of how we should understand animal agency, how we could take animal agency seriously in farms, urban areas and the wild, and what technologies are appropriate and morally desirable to use regarding animals. This book is of interest to both animal studies scholars and environmental ethics scholars, as well as to practitioners working with animals, such as wildlife managers, zookeepers, and conservation biologists.

Introduction to Biosemiotics Springer Science & Business Media

The Behavior of Animals An updated view of animal behavior studies, featuring global experts The Behavior of Animals, Second Edition provides a broad overview of the current state of animal behavior studies with contributions from international experts. This edition includes new chapters on hormones and behavior, individuality, and human evolution. All chapters have been thoroughly revised and updated, and are supported by color illustrations, informative callouts, and accessible presentation of technical information. Provides an introduction to the study of animal behavior Looks at an extensive scope of topics- from perception, motivation and emotion, biological rhythms, and animal learning to animal cognition, communication, mate choice, and individuality. Explores the evolution of animal behavior including a critical evaluation of the assumption that human beings can be studied as if they were any other animal species. Students will benefit from an updated textbook in which a variety of contributors provide their expertise and global perspective in specialized

areas

Educational Publication Bloomsbury Publishing USA

In this text, readers can attend to the precise details of explanations and descriptions as expressed in the Reading Standards for Literacy in Science and Technical Subjects. They learn about animal diversity and investigate feeding differences. Animal locomotion, habitats, methods animals use to defend themselves, reproduction, and animal associations and symbioses (such as mutualisms, commensalism, and parasitisms) are explored in depth. This captivating narrative also provides students with informative sidebars to help clarify concepts, including "Closeup" boxes on key topics, "Try This" boxes that encourage students to test experiments, "What Do You Think?" sidebars that pose questions to examine students' reading comprehension, "Applications" boxes that show how biological facts enhance daily life and technology, "Red Herring" sidebars that describe failed biological theories, and "Genetic Perspective" boxes that outline the latest genetic research. The text also includes a biography on Charles Darwin and a timeline.

University of Missouri-Columbia Bulletin OUP Oxford

This volume represents a short, yet systematic introduction to the topic of "animal communication", in a way that blends natural sciences and humanities into a multidisciplinary approach. It is structured in a way that allows students and teachers in this field to employ it as a useful pedagogical tool, and it is written with a style that is clear and engaging. A glossary of difficult terms and a rich bibliography are also available, altogether making *Basics of Animal Communication* very informative reading.

Animal Biology Cambridge University Press

Biology of Animals originated as a textbook intended for the beginning college student, regardless of background, seeking a general knowledge of the nature and functioning of animals and of the biosphere in which they live. -- Preface.

National Library of Medicine Current Catalog Cambridge Scholars Publishing

Focuses on physical, social and applied anthropology, archaeology, linguistics and symbolic communication. Topics include hominid evolution, primate behaviour, genetics, ancient civilizations, cross-cultural studies and social theories.

Animals in Our Midst: The Challenges of Co-existing with Animals in the Anthropocene

Reproductive Genomics in Domestic Animals is a thorough examination of genomics in the livestock industry, encompassing genome sciences, genome biotechnology, and reproduction. Recent developments in molecular genetics and genomics have enabled scientists to identify and characterize genes contributing to the complexity of reproduction in domestic animals, allowing scientists to improve reproductive traits. Providing the livestock industry with essential tools for enhancing reproductive efficiency, *Reproductive Genomics in Domestic Animals* surveys the current status of reproductive genomes and looks to the future direction of research.