Zoo Animals Behaviour Management And Welfare

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Zoo Conservation Biology John Wiley & Sons
With coverage of current issues and emerging trends, Fowler's Zoo and Wild Animal Medicine, Volume 7 provides a comprehensive, all-new reference for the management of zoo and wildlife diseases. A Current Therapy format emphasizes the latest advances in the field, including nutrition, diagnosis, and treatment protocols. Cutting-edge coverage includes topics such as the "One Medicine" concept, laparoscopic surgery in elephants and rhinoceros, amphibian viral diseases, and advanced water quality evaluation for zoos. Editors R. Eric Miller and Murray E. Fowler promote a philosophy of animal conservation, bridging the gap between captive and free-ranging wild animal medicine with chapters contributed by more than 100 international experts. The Current Therapy format focuses on emerging trends, treatment protocols, and diagnostic updates new to the field, providing timely information on the latest advances in zoo and wild animal medicine. Content ranges from drug treatment, nutrition, husbandry, surgery, and imaging to behavioral training. Coverage of species ranges from giraffes, elephants, lions, and orangutans to sea turtles, hellbenders, bats, kakapos, and more. An extensive list of contributors includes recognized authors from around the world, offering expert information with chapters focusing on the latest research and clinical management of captive and free-ranging wild animals. A philosophy of animal conservation helps zoo and wildlife veterinarians fulfill not only the technical aspects of veterinary medicine, but contribute to the overall biological teams needed to rescue many threatened and endangered species from extinction. All content is new, with coverage including coverage of cutting-edge issues such as white-nose disease in bats, updates on Ebola virus in wild great apes, and chytrid fungus in amphibians. Full-color photographs

depict external clinical signs for more accurate clinical recognition. Discussions of the "One Medicine" concept include chapters addressing the interface between wildlife, livestock, human, and ecosystem health. New sections cover Edentates, Marsupials, Carnivores, Perrissodactyla, and Camelids. Over 100 new tables provide a quick reference to a wide range of topics. An emphasis on conserving threatened and endangered species globally involves 102 expert authors representing 12 different countries.

Zoo Animal Learning and Training CRC Press

Zoo Animals: Behaviour, Management, and Welfare is the ideal resource for anyone needing a thorough grounding in this subject, whether as a student or as a zoo professional.

Zoo Animals Stanford University Press

Here students will learn about things such as animal habitats, feeding programs, and zoo babies as science is seen in action at the zoo.

Principles of Animal Training Smithsonian Institution

Orangutans swing from Kevlar-lined fire hoses. Giraffes feast on celebratory birthday cakes topped with carrots instead of candles. Hi-tech dinosaur robots growl among steel trees, while owls watch animated cartoons on old television sets. In American Zoo, sociologist David Grazian takes us on a safari through the contemporary zoo, alive with its many contradictions and strange wonders. Trading in his tweed jacket for a zoo uniform and a pair of muddy work boots, Grazian introduces us to zookeepers and animal rights activists, parents and toddlers, and the other human primates that make up the zoo's social world. He shows that in a major shift away from their unfortunate pasts, American zoos today emphasize naturalistic exhibits teeming with lush and immersive landscapes, breeding programs for endangered animals, and enrichment activities for their captive creatures. In doing so, zoos blur the imaginary boundaries we regularly use to separate culture from nature, humans from animals, and civilization from the wild. At the same time, zoos manage a wilderness of competing priorities—animal care, education, scientific research, and recreation—all while attempting to serve as centers for conservation in the wake of the current environmental and climate-change crisis. The world of the zoo reflects how we project our own prejudices and desires onto the animal kingdom, and invest nature with meaning and sentiment. A revealing portrayal of comic animals, delighted children, and feisty zookeepers, American Zoo is a remarkable close-up exploration of a classic cultural attraction.

Zoo Animals Elsevier Health Sciences

Modern zoos and aquaria are playing an increasingly active and important role in protecting and managing global biodiversity. Many zoos include wildlife conservation in their mission and have started changing the focus of their institutions in order to increase even further the benefits of their activities for in situ wildlife conservation. With these developments, the following searching questions are now being asked: What is the true role of zoos in conservation? How can they contribute more significantly to global conservation efforts? What are the unique attributes of zoos that can be applied in the conservation landscape? And should zoos be doing more? In parallel with this voluntary movement, legal requirements for zoos to support conservation in the

wild are also becoming more stringent. This 2007 book defines a conservation vision for zoos and aquaria that will be of interest to those working in zoos, alongside practitioners and researchers in conservation.

Enriching Animal Lives Academic Press

This book draws together, for the first time, the published research on the behaviour, ecology and welfare of elephants living in zoos, circuses, logging camps and other captive environments in a single comprehensive volume. It takes a multi-disciplinary approach, considering the work of zoo biologists, animal behaviour and welfare scientists, veterinarians, philosophers, zoo educators, tourism specialists, conservation biologists, lawyers and others with a professional interest in elephants. Elephants under Human Care: The Behaviour, Ecology, and Welfare of Elephants in Captivity is a valuable resource for zoo biology and animal welfare researchers. It is also useful for students and zoo professionals and managers looking for a comprehensive guide to current research on captive elephants. Although not intended as a husbandry manual, the book discusses some of the elephant welfare standards developed by the Association of Zoos and Aquariums (AZA) and the British and Irish Association of Zoos and Aquariums (BIAZA) and their relationship to current knowledge of captive elephants. Includes results of captive studies compared with field studies of wild elephants Features original images of elephant behaviour as they live and behave under human care Includes results of the author’s original research including many original photographs Considers future implications of research for the welfare and conservation of elephants, both for elephants in captivity and those living in the wild

Applying Behavioral Ecology to Wildlife Conservation and Management Springer Science & Business Media

Conservation behavior assists the investigation of species endangerment associated with managing animals impacted by anthropogenic activities. It employs a theoretical framework that examines the mechanisms, development, function, and phylogeny of behavior variation in order to develop practical tools for preventing biodiversity loss and extinction. Developed from a symposium held at the International Congress on Conservation Biology in 2011, this is the first book to offer an in-depth, logical framework that identifies three vital areas for understanding conservation behavior: anthropogenic threats to wildlife, conservation and management protocols, and indicators of anthropogenic threats. Bridging the gap between behavioral ecology and conservation biology, this volume ascertains key links between the fields, explores the theoretical foundations of these linkages, and connects them to practical wildlife management tools and concise applicable advice. Adopting a clear and structured approach throughout, this book is a vital resource for graduate students, academic researchers, and wildlife managers.

Environmental Enrichment for Captive Animals Shedd Aquarium Society

Comprehensively explains animal learning theories and current best practices in animal training within zoos This accessible, up-to-date book on animal training in a zoo/aquaria context provides a unified approach to zoo animal learning, bringing together the art and science of animal training.

Written by experts in academia and working zoos, it incorporates the latest information from the scientific community along with current best practice, demystifying the complexities of training zoo animals. In doing so, it teaches readers how to effectively train animals and to fully understand the consequences of their actions. Zoo Animal Learning and Training starts with an overview of animal learning theory. It describes the main categories of animal learning styles; considers the diverse natural history of zoo animals; reviews the research undertaken which demonstrates ultimate benefits of learning; and highlights the advantages and disadvantages of the different approaches. It also shows how the direct application of learning theory can be integrated into zoo animal management; discusses how other factors might affect development; and investigates situations and activities from which animals learn. It also explores the theoretical basis that determines whether enrichments are successful. Provides an easily accessibly, jargon-free introduction to the subject Explores different training styles, providing theoretical background to animal learning theory as well as considerations for practical training programme – including how to set them up, manage people and animals within them and their consequences Includes effective skills and 'rules of thumb' from professional animal trainers Offers commentary on the ethical and welfare implications of training in zoos Features contributions from global experts in academia and the zoo profession Uniquely features both academic and professional perspectives Zoo Animal Learning and Training is an important book for students, academics and professionals. Suited to senior undergraduate students in zoo biology, veterinary science, and psychology, and for post-graduate students in animal management, behaviour and conservation, as well as zoo biology. It is also beneficial to those working professionally in zoos and aquaria at different levels.

The Ark and Beyond John Wiley & Sons

The practical focus of this authoritative, comprehensive encyclopedia promotes the understanding and improvement of animals' behaviour without compromising welfare. It will be an essential resource for practising veterinarians, researchers and students in zoology and ethology, and for all those working with and interested in animals and their welfare. --Book Jacket.

Zoo Animals JHU Press

This book is intended as an introductory text for students studying a wide range of courses concerned with animal management, zoo biology and wildlife conservation, and should also be useful to zookeepers and other zoo professionals. It is divided into three parts. Part 1 considers the function of zoos, their history, how zoos are managed, ethics, zoo legislation and wildlife conservation law. Part 2 discusses the design of zoos and zoo exhibits, animal nutrition, reproduction, animal behaviour (including enrichment and training), animal welfare, veterinary care, animal handling and transportation. Finally, Part 3 discusses captive breeding programmes, genetics, population biology, record keeping, and the educational role of zoos, including a consideration of visitor behaviour. It concludes with a discussion of the role of zoos in the conservation of species in the wild and in species reintroductions. This book takes an international perspective and includes a wide range of examples

of the operation of zoos and breeding programmes particularly in the UK, Europe, North America and Australasia. Visit www.wiley.com/go/rees/zoo to access the artwork from the book.

Behaviour, Management, and Welfare
CABI
This interim report assesses issues related to animal management, husbandry, health, and care at the Smithsonian Institution's National Zoological Park. The report finds that there are shortcomings in care and management that are threatening the well-being of the animal collection and identifies the "most pressing" issues that should be addressed.

Behaviour, Management and Welfare
University of Chicago Press
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Animal-centric Care and Management
John Wiley & Sons
The subjects of stress and animal welfare are currently attracting immense interest. This book brings together a range of perspectives from biomedical research (including human health and animal models of human stress) on stress and welfare, and assesses new approaches to conceptualising and alleviating stress.

The Psychology and Behaviour of Animals in Zoos and Circuses Oxford University Press, USA
Zoos, aquaria, and wildlife parks are vital centers of animal conservation and management. For nearly fifteen years, these institutions have relied on Wild Mammals in Captivity as the essential reference for their work. Now the book reemerges in a completely updated second edition. Wild Mammals in Captivity presents the most current thinking and practice in the care and management of wild mammals in zoos and other institutions. In one comprehensive volume, the editors have gathered the most current information from studies of animal behavior; advances in captive breeding; research in physiology, genetics, and nutrition; and new thinking in animal management and welfare. In this edition, more than three-quarters of the text is new, and information from more than seventy-five contributors is thoroughly updated. The standard text for all courses in zoo biology, Wild Mammals in Captivity will, in its new incarnation, continue to be used by zoo managers, animal caretakers, researchers, and anyone with an interest in how to manage animals in captive conditions.
Dictionary of Zoo Biology and Animal Management Princeton University Press
Zoo Animals: Behaviour, Management and Welfare addresses the key questions surrounding the keeping of zoo animals, and reveals how we can apply our ever-growing understanding of animal behaviour to ensure zoo animals are managed as effectively as possible, without their health and welfare being compromised.
Zoo Animals Cambridge University Press
Growing recognition of the complexity of animals' physical, social, and psychological lives in the wild has led both zookeepers and the zoo-going public to call for higher environmental standards for animals in captivity. Bringing together the work of animal behaviorists, zoo biologists, and psychologists, Second Nature explores a range of innovative strategies for environmental enrichment in laboratories and marine parks, as well as in zoos. From artificial fleeing-prey devices for leopards to irregular feeding schedules for whales, the practices discussed have resulted in healthier, more relaxed animals that can breed more easily and can exert some control over their environments. Moving beyond the usual studies of primates to consider the requirements of animals as diverse as reptiles, amphibians, marine mammals, small cats, hooved grazers, and bears, contributors argue that whether an animal forages in the wild or plays computer games in captivity, the satisfaction its activity provides—rather than the activity itself—determines the animal's level of physical and psychological well-being. Second Nature also discusses the ways in which environmental enrichment can help zoo-bred animals develop the stamina and adaptability for survival in the wild, and how it can produce healthier lab animals that yield more valid test results. Providing a theoretical framework for the science of environmental enrichment in a variety of settings, the book renews and extends a humane approach to the keeping and conservation of animals.
The Encyclopedia of Applied Animal Behaviour and Welfare Cambridge University Press
Zoo Animal Welfare thoroughly reviews the scientific literature on the welfare of zoo and aquarium animals. Maple and Perdue draw from the senior author’s 24

years of experience as a zoo executive and international leader in the field of zoo biology. The authors' academic training in the interdisciplinary field of psychobiology provides a unique perspective for evaluating the ethics, practices, and standards of modern zoos and aquariums. The book offers a blueprint for the implementation of welfare measures and an objective rationale for their widespread use. Recognizing the great potential of zoos, the authors have written an inspirational book to guide the strategic vision of superior, welfare-oriented institutions. The authors speak directly to caretakers working on the front lines of zoo management, and to the decision-makers responsible for elevating the priority of animal welfare in their respective zoo. In great detail, Maple and Perdue demonstrate how zoos and aquariums can be designed to achieve optimal standards of welfare and wellness.

Wildlife Contraception University of Chicago Press

This book takes a unique stance on a controversial topic: zoos. Zoos have their ardent supporters and their vocal detractors. And while we all have opinions on what zoos do, few people consider how they do it. Irus Braverman draws on more than seventy interviews conducted with zoo managers and administrators, as well as animal activists, to offer a glimpse into the otherwise unknown complexities of zooland. Zooland begins and ends with the story of Timmy, the oldest male gorilla in North America, to illustrate the dramatic transformations of zoos since the 1970s. Over these decades, modern zoos have transformed themselves from places created largely for entertainment to globally connected institutions that emphasize care through conservation and education. Zoos naturalize their spaces, classify their animals, and produce spectacular experiences for their human visitors. Zoos name, register, track, and allocate their animals in global databases. Zoos both abide by and create laws and industry standards that govern their captive animals. Finally, zoos intensely govern the reproduction of captive animals, carefully calculating the life and death of these animals, deciding which of them will be sustained and which will expire. Zooland takes readers behind the exhibits into the world of zoo animals and their caretakers. And in so doing, it turns its gaze back on us to make surprising interconnections between our understandings of the human and the nonhuman.

Zookeeping Simon and Schuster

AAP Prose Award Finalist 2018/19

Management of Animal Care and Use Programs in Research, Education, and Testing, Second Edition is the extensively expanded revision of the popular Management of Laboratory Animal Care and Use Programs book published earlier this century. Following in the footsteps of the first edition, this revision serves as a first line management resource, providing for strong advocacy for advancing quality animal welfare and science worldwide, and continues as a valuable seminal reference for those engaged in all types of programs involving animal care and use. The new edition has more than doubled the number of chapters in the original volume to present a more comprehensive overview of the current breadth and depth of the field with applicability to an international audience. Readers are provided with the latest information and resource and

reference material from authors who are noted experts in their field. The book: - Emphasizes the importance of developing a collaborative culture of care within an animal care and use program and provides information about how behavioral management through animal training can play an integral role in a veterinary health program - Provides a new section on Environment and Housing, containing chapters that focus on management considerations of housing and enrichment delineated by species - Expands coverage of regulatory oversight and compliance, assessment, and assurance issues and processes, including a greater discussion of globalization and harmonizing cultural and regulatory issues - Includes more in-depth treatment throughout the book of critical topics in program management, physical plant, animal health, and husbandry. Biomedical research using animals requires administrators and managers who are knowledgeable and highly skilled. They must adapt to the complexity of rapidly-changing technologies, balance research goals with a thorough understanding of regulatory requirements and guidelines, and know how to work with a multi-generational, multi-cultural workforce. This book is the ideal resource for these professionals. It also serves as an indispensable resource text for certification exams and credentialing boards for a multitude of professional societies Co-publishers on the second edition are: ACLAM (American College of Laboratory Animal Medicine); ECLAM (European College of Laboratory Animal Medicine); IACLAM (International Colleges of Laboratory Animal Medicine); JCLAM (Japanese College of Laboratory Animal Medicine); KCLAM (Korean College of Laboratory Animal Medicine); CALAS (Canadian Association of Laboratory Animal Medicine); LAMA (Laboratory Animal Management Association); and IAT (Institute of Animal Technology).

A Sociological Safari CABI

In the face of ever-declining biodiversity, zoos have a major role to play in species conservation. Written by professionals involved in in situ conservation and restoration projects internationally, this is a critical assessment of the contribution of zoos to species conservation through evidence amassed from a wide range of sources. The first part outlines the biodiversity context within which zoos should operate, introducing the origins and global spread of zoos and exploring animal collection composition. The second part focuses on the basic elements of keeping viable captive animal populations. It considers the consequences of captivity on animals, the genetics of captive populations and the performance of zoos in captive breeding. The final part examines ways in which zoos can make a significant difference to conservation now and in the future. Bridging the gap between pure science and applied conservation, this is an ideal resource for both conservation biologists and zoo professionals.