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 Life and Lessons at the World's Premier School for Exotic Animal Trainers

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## DEVAN BRAIDEN

*Carrots and Sticks* Elsevier Health Sciences

The conservation of biological diversity depends on people's knowledge and actions. This book presents the theory and practice for creating effective education and outreach programmes for conservation. The authors describe an exciting array of techniques for enhancing school resources, marketing environmental messages, using social media, developing partnerships for conservation, and designing on-site programmes for parks and community centres. Vivid case studies from around the world illustrate techniques and describe planning, implementation, and evaluation procedures, enabling readers to implement their own new ideas effectively. *Conservation Education and Outreach Techniques*, now in its second edition and updated throughout, includes twelve chapters illustrated with numerous photographs showing education and outreach programmes in action, each incorporating an extensive bibliography. Helpful text boxes provide practical tips, guidelines, and recommendations for further exploration of the chapter topics. This book will be particularly relevant to conservation scientists, resource managers, environmental educators, students, and citizen activists. It will also serve as a handy reference and a comprehensive text for a variety of natural resource and environmental professionals.

*Zookeeping* Springer Science & Business Media

This dictionary is intended as a guide to the terminology used in a wide range of animal-related programmes of study including agriculture, animal care, animal management, animal production, animal welfare, veterinary nursing, wildlife conservation and zoobiology. In total it contains over 5,300 entries. It contains a wide range of terms used in the fields of veterinary science, physiology and zoology, as students whose primary interests are animal welfare or zoo biology also need to have some understanding of disease, how animal bodies function and how animals are classified. It also contains some legal terms, and reference to some legal cases, to help students understand how the protection, use and conservation of animals is regulated by the law. Some people, famous animals, literature and films have influenced the way we think about, and behave towards, animals. For this reason, the book includes references to important books about animals, famous animals who have starred in films or been the subject of scientific studies, along with short biographies of famous scientists and others who have studied animals or established conservation or animal welfare organisations.

*Zoos in the 21st Century* Oxford University Press

As species extinction, environmental protection, animal rights, and workplace safety issues come to the fore, zoos and aquariums need keepers who have the technical expertise and scientific knowledge to keep animals healthy, educate the public, and create regional, national, and global conservation and management communities. This textbook offers a comprehensive and practical overview of the profession geared toward new animal keepers and anyone who needs a foundational account of the topics most important to the day-to-day care of zoo and aquarium animals. The three editors, all experienced in zoo animal care and management, have put together a cohesive and broad-ranging book that tackles each of its subjects carefully and thoroughly. The contributions cover professional zookeeping, evolution of zoos, workplace safety, animal management, taxon-specific animal husbandry, animal behavior, veterinary care, public education and outreach, and conservation science. Using the newest techniques and research gathered from around the world, *Zookeeping* is a progressive textbook that seeks to promote consistency and the highest standards within global zoo and aquarium operations.

*Catalysts for Conservation?* National Academies Press

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.

*Wildlife Contraception* Springer Science & Business Media

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.

*The Challenges of Compassionate Conservation* John Wiley & Sons

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.

*A Sociological Safari* 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 Animal Learning and Training](#) Princeton University Press

Environmental enrichment is a simple and effective means of improving animal welfare in any species – companion, farm, laboratory and zoo. For many years, it has been a popular area of research, and has attracted the attention and concerns of animalkeepers and carers, animal industry professionals, academics, students and pet owners all over the world. This book is the first to integrate scientific knowledge and principles to show how environmental enrichment can be used on different types of animal. Filling a major gap, it considers the history of animal keeping, legal issues and ethics, right through to a detailed exploration of whether environmental enrichment actually works, the methods involved, and how to design and manage programmes. The first book in a major new animal welfare series Draws together a large amount of research on different animals Provides detailed examples and case studies An invaluable reference tool for all those who work with or study animals in captivity This book is part of the UFAW/Wiley-Blackwell Animal Welfare Book Series. This major series of books produced in collaboration between UFAW (The Universities Federation for Animal Welfare), and Wiley-Blackwell provides an authoritative source of information on worldwide developments, current thinking and best practice in the field of animal welfare science and technology. For details of all of the titles in the series see <http://www.wiley.com/go/ufaw> [www.wiley.com/go/ufaw/a](http://www.wiley.com/go/ufaw/a). [Zoo Animal Welfare](#) Cambridge University Press

Now in its third edition, and for the first time in full-color, *Exotic Animal Medicine for the Veterinary Technician* is a comprehensive yet clear introduction to exotic animal practice for technicians in the classroom and clinic setting alike. With an emphasis on the exotic species most likely to present to a veterinary practice, coverage includes avian, reptiles, amphibians, fish, small mammals, and wildlife. Now in full color Features anatomy, restraint, common diseases to radiology, surgical assisting, and parasitology New chapter on fish medicine Companion website offering review questions and images from the text in PowerPoint

**Animal Madness** Elsevier Health Sciences

*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.

**Enhancing Refinement in Biomedical Research** CABI

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.

*Zooland* CRC Press

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.

[American Zoo](#) Oxford University Press, USA

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.

DARLINGTON PRESS

Well-run modern zoos and aquariums do important research and conservation work and teach visitors about the challenges of animals in the wild and the people striving to save them. They help visitors to consider their impact and think about how they can make a difference. Yet for many there is a sense of disquiet and a lingering question remains – can modern zoos be ethically justified? *Zoo Ethics* examines the workings of modern zoos and considers the core ethical challenges that face those who choose to hold and display animals in zoos, aquariums or sanctuaries. Using recognised ethical frameworks and case studies of 'wicked problems', this book explores the value of animal life and the impacts of modern zoos, including the costs to animals in terms of welfare and the loss of liberty. It also considers the positive welfare and health outcomes of many animals held in zoos, the increased attention and protection for their species in the wild, and the enjoyment and education of the people who visit zoos. A thoughtfully researched work written in a highly readable style, *Zoo Ethics* will empower students of animal ethics and veterinary sciences, zoo and aquarium professionals and interested zoo visitors to have an informed view of the challenges of compassionate conservation and to develop their own defensible, ethical position.

*Exotic Animal Medicine* Stanford University Press

Learn how to properly handle and care for lab animals and exotic species with *Laboratory Animal and Exotic Pet Medicine, Principles and Procedures, 2nd Edition*. This comprehensive resource provides the latest anatomy, physiology, and taxonomy information on a wide variety of species – including birds, reptiles and amphibians, rats and mice, guinea pigs, hamsters, rabbits, gerbils, ferrets, wildlife, woodchucks, armadillos, frogs, and fish. Coverage also includes a number of commonly performed procedures (such as blood collection, medicine administration, and animal husbandry) and in-depth information on housing, restraint, nutrition, common diseases, diagnostics, and therapeutics. Research-related information, including legal and ethical issues surrounding exotic animals being kept as pets, as well as the humane use of animals in research, make this text a must-have resource for any aspiring vet tech or professional who must work with lab animals.

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Comprehensive coverage addresses a wide variety of species (rats, mice, guinea pigs, hamsters, gerbils, ferrets, rabbits, nonhuman primates, swine, chinchillas, armadillos, amphibians, reptiles, birds, fish, farm animals, and cats and dogs) and covers a wide variety of topics (such as animal species, the laboratory setting, regulatory guidelines, and ethical considerations) to fully prepare students for work with all types of animals. Consistent organization of each species chapter makes it easy for students to quickly identify similarities and differences among various laboratory animals. The latest information on laws and ethics related to lab animal medicine cover the areas of pain management, use, care, and more. Review questions at the end of each chapter allow students to assess their knowledge of the material. Discussion of specific uses for each species in biomedical research gives students a perspective on animal use that allows them to explain the benefits of animal use as required by veterinary technology program accreditation procedure. Boxes and tables list anatomic and physiologic data for each species. NEW! Updated design features more high-quality, full-color illustrations and a revised reader-friendly layout with learning objectives and key points to make content easier to follow.

*Successful Animal Management Through Positive Reinforcement* Elsevier Health Sciences

"Have you ever wondered how a sheepdog, police horse, leopard or octopus is trained? Carrots and sticks brings behavioural science to life, explaining animal training techniques in the language of learning theory." --Back cover.

*Interim Report* John Wiley & Sons

Past progress and future challenges R.J. Wheater Royal Zoological Society of Scotland, Edinburgh, UK. In the past two decades much has been achieved in the sphere of breeding endangered species, and we should be pleased that our co-operative efforts have already borne so much fruit. However, on balance and despite the best efforts of conservationists, the position of wildlife in the wild places where they are best conserved has become worse, often dramatically worse. Before returning to the United Kingdom in 1972, I was in Uganda for 16 years, most of which time was spent as Chief Warden of Murchison Falls National Park. Our main problem was that an over-population of large mammals was having a devastating impact on the habitat. Devastation was being wrought on woodland areas by the arrival of large numbers of elephants into the sanctuary of the Park, following changes in land use in the areas outside the Park. These changes were in response to the requirements of an ever-expanding human population.

*Laboratory Animal and Exotic Pet Medicine - E-Book* Academic Press

Scores of wild species and ecosystems around the world face a variety of human-caused threats, from habitat destruction and fragmentation to rapid climate change. But there is hope, and it, too, comes in a most human form: zoos and aquariums. Gathering a diverse, multi-institutional collection of leading zoo and aquarium scientists as well as historians, philosophers, biologists, and social scientists, *The Ark and Beyond* traces the history and underscores the present role of these organizations as essential conservation actors. It also offers a framework for their future course, reaffirming that if zoos and aquariums make biodiversity conservation a top priority, these institutions can play a vital role in tackling conservation challenges of global magnitude. While early menageries were anything but the centers of conservation that many zoos are today, a concern with wildlife preservation has been an integral component of the modern, professionally run zoo since the nineteenth century. From captive breeding initiatives to rewilding programs, zoos and aquariums have long been at the cutting edge of research and conservation science, sites of impressive new genetic and reproductive techniques. Today, their efforts reach even further beyond recreation, with educational programs, community-based conservation initiatives, and international, collaborative programs designed to combat species extinction and protect habitats at a range of scales. Addressing related topics as diverse as zoo animal welfare, species reintroductions, amphibian extinctions, and whether zoos can truly be "wild," this book explores the whole range of research and conservation practices that spring from zoos and aquariums while emphasizing the historical, scientific, and ethical traditions that shape these efforts. Also featuring an inspiring foreword by the late George Rabb, president emeritus of the Chicago Zoological Society / Brookfield Zoo, *The Ark and Beyond* illuminates these institutions' growing significance to the preservation of global biodiversity in this century.

[The Ark and Beyond](#) Cambridge University 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](http://www.wiley.com/go/rees/zoo) to access the artwork from the book.

*Basic Principles and Implications for Animal Welfare* John Wiley & Sons

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.