

AN INTRODUCTION TO
ZOO BIOLOGY
AND MANAGEMENT

PAUL A. REES

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An Introduction To Zoo Biology And Management

Paul A. Rees



An Introduction To Zoo Biology And Management:

An Introduction to Zoo Biology and Management Paul A. Rees, 2011-05-06 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

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Dictionary of Zoo Biology and Animal Management Paul A. Rees, 2013-09-23 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 zoo biology 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

American Zoo David Grazian, 2015-09-01 A close up look at the contradictions and wonders of the modern zoo 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 Welfare Paul Rose, Zoe Newnham, Ian Hickey, 2025-11-21 *Zoo Animal Welfare* unpacks the different concepts of welfare in the zoo and aquarium considering how enclosure design nutrition conservation activities visitor engagement and daily husbandry all need to have a welfare focus to be relevant to the species being housed The book provides the practical application of evidence based welfare theory centred on the concept of welfare focused husbandry which enables zoo animals to experience positive welfare Recognising that welfare is a complex and challenging area of science the first section of the book provides core introductory material defining welfare in the zoo and looking at how the wild is managed ethically It then delves into current issues with contributed chapters exploring topics such as environmental enrichment nutrition the impacts of human presence in the zoo conservation welfare use of social media and population management Packed with case studies and exploration of emerging issues in the field e g novel technology for welfare assessment welfare considerations of overlooked taxa this book is essential reading for higher level undergraduate and postgraduate students and academics who wish to study the welfare of captive wild animals as well as for all those working in animal care and zoo operations *Zoo Animal Welfare* will empower readers to go beyond the norm when

considering what zoo animals really need applying their new knowledge for the benefit of both animals and zoos **The Animal in Ottoman Egypt** Alan Mikhail, 2014 Animals in rural Egypt became enmeshed in social relationships and made possible many tasks otherwise impossible Rather than focus on what animals represented or symbolized Mikhail discusses their social and economic functions as Ottoman Egypt cannot be understood without acknowledging animals as central shapers of the early modern world Elephants Under Human Care Paul A. Rees, 2020-09-27 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 The Routledge Handbook of Animal Ethics Bob Fischer, 2019-12-06 There isn't one conversation about animal ethics Instead there are several important ones that are scattered across many disciplines This volume both surveys the field of animal ethics and draws professional philosophers graduate students and undergraduates more deeply into the discussions that are happening outside of philosophy departments To that end the volume contains more nonphilosophers than philosophers explicitly inviting scholars from other fields such as animal science ecology economics psychology law environmental science and applied biology among others to bring their own disciplinary resources to bear on matters that affect animals The Routledge Handbook of Animal Ethics is composed of 44 chapters all appearing in print here for the first time and organized into the following six sections I Thinking About Animals II Animal Agriculture and Hunting III Animal Research and Genetic Engineering IV Companion Animals V Wild Animals Conservation Management and Ethics VI Animal Activism The chapters are brief and they have been written in a way that is accessible to serious undergraduate students regardless of their field of study The volume covers everything from animal cognition to the state of current fisheries from genetic modification to intersection animal activism It is a resource designed for anyone interested in the moral issues that emerge from human interactions with animals **Dog's Best Friend?** John Sorenson, Atsuko Matsuoka, 2019-11-14 In

almost 40 per cent of households in North America dogs are kept as companion animals Dogs may be man's best friends but what are humans to dogs If these animals loyalty and unconditional love have won our hearts why do we so often view closely related wild canids such as foxes wolves and coyotes as pests predatory killers and demons Re-examining the complexity and contradictions of human attitudes towards these animals Dog's Best Friend looks at how our relationships with canids have shaped and also been transformed by different political and economic contexts Journeying from ancient Greek and Roman societies to Japan's Edo period to eighteenth century England essays explore how dogs are welcomed as family consumed in Asian food markets and used in Western laboratories Contributors provide glimpses of the lives of street dogs and humans in Bali India Taiwan and Turkey and illuminate historical and current interactions in Western societies The book delves into the fantasies and fears that play out in stereotypes of coyotes and wolves while also acknowledging that events such as the Wolf Howl in Canada's Algonquin Park indicate the emergence of new popular perspectives on canids Questioning where canids belong how they should be treated and what rights they should have Dog's Best Friend reconsiders the concept of justice and whether it can be extended beyond the limit of the human species

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Table of Contents An Introduction To Zoo Biology And Management

1. Understanding the eBook An Introduction To Zoo Biology And Management
 - The Rise of Digital Reading An Introduction To Zoo Biology And Management
 - Advantages of eBooks Over Traditional Books
2. Identifying An Introduction To Zoo Biology And Management
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an An Introduction To Zoo Biology And Management
 - User-Friendly Interface
4. Exploring eBook Recommendations from An Introduction To Zoo Biology And Management
 - Personalized Recommendations
 - An Introduction To Zoo Biology And Management User Reviews and Ratings
 - An Introduction To Zoo Biology And Management and Bestseller Lists
5. Accessing An Introduction To Zoo Biology And Management Free and Paid eBooks
 - An Introduction To Zoo Biology And Management Public Domain eBooks
 - An Introduction To Zoo Biology And Management eBook Subscription Services
 - An Introduction To Zoo Biology And Management Budget-Friendly Options

6. Navigating An Introduction To Zoo Biology And Management eBook Formats
 - ePub, PDF, MOBI, and More
 - An Introduction To Zoo Biology And Management Compatibility with Devices
 - An Introduction To Zoo Biology And Management Enhanced eBook Features
7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of An Introduction To Zoo Biology And Management
 - Highlighting and Note-Taking An Introduction To Zoo Biology And Management
 - Interactive Elements An Introduction To Zoo Biology And Management
8. Staying Engaged with An Introduction To Zoo Biology And Management
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers An Introduction To Zoo Biology And Management
9. Balancing eBooks and Physical Books An Introduction To Zoo Biology And Management
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection An Introduction To Zoo Biology And Management
10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
11. Cultivating a Reading Routine An Introduction To Zoo Biology And Management
 - Setting Reading Goals An Introduction To Zoo Biology And Management
 - Carving Out Dedicated Reading Time
12. Sourcing Reliable Information of An Introduction To Zoo Biology And Management
 - Fact-Checking eBook Content of An Introduction To Zoo Biology And Management
 - Distinguishing Credible Sources
13. Promoting Lifelong Learning
 - Utilizing eBooks for Skill Development
 - Exploring Educational eBooks
14. Embracing eBook Trends
 - Integration of Multimedia Elements

- Interactive and Gamified eBooks

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