

## Zookeeping An Introduction To The Science And Technology

Zookeeping Wild Mammals in Captivity The Animal Claim What Do You Do If You Work at the Zoo? Smiling Bears Deer Antlers Animal Care and Management at the National Zoo The Zookeepers' War Principles and Applications of Domestic Animal Behavior Life at the Zoo Animal Minds Apache ZooKeeper Essentials Father of Lions: the Story of Mosul Zoo Animal Behavior Worms for Breakfast Animal Training 101 Tigers of the World The Zookeeper's Wife: A War Story (Movie Tie-in) (Movie Tie-in Editions) Cloning Wild Life Animal Helpers The Zookeeper's War Good Night, Gorilla Victorian Animal Dreams Scientific Foundations of Zoos and Aquariums Professional Hadoop ZooKeeper Enriching Animal Lives Restraint and Handling of Wild and Domestic Animals Zoos in the 21st Century The Changing Nature of Work Wildlife Contraception And Tango Makes Three Zoos Zoology for Kids HBase: The Definitive Guide American Zoo Fundamentals of Animal Science Our Gigantic Zoo Zoo Animals Introduction to Animal Behavior

### Zookeeping

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This collection of essays is the first major work in more than a decade to discuss the critical issue of wildlife contraception and the first ever to take up contraception—both theory and practice—for wild animals in captivity. The authors, leading international experts on the subject, analyze the use of wildlife contraception for various animal populations, including nonhuman primates, ungulates, pinnipeds, cetaceans, and other mammals. The chapters examine and critique types of contraception, and their effects, and explore the best method for each situation. Using the most recent data and findings, this comprehensive collection addresses problems related to unrestricted population growth, the ethics of wildlife contraception, and regulatory issues for wildlife managers, animal rights organizations, zoos worldwide, and anyone interested in the humane control of animal populations. ZOO AND AQUARIUM BIOLOGY AND CONSERVATION SERIES Michael Hutchins, Series Editor This series publishes innovative works in the field of zoo and aquarium biology, conservation, and philosophy. Books in the series cover a wide range of topics, including zoo- and aquarium-based field conservation, animal management science, public education, philosophy, and ethics.

## **Wild Mammals in Captivity**

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With more emphasis than usual on the behavior of vertebrates and primates (although the author still includes classic bird and insect studies) the book examines how wild animals live, survive, and reproduce in their natural, wild habitats. This unique approach is presented in a straightforward manner without jargon, ensuring that students find the text informative and entertaining. Well-placed examples and explanations provide students with further opportunity to understand the application of the concepts.

## **The Animal Claim**

The professional's one-stop guide to this open-source, Java-based big data framework Professional Hadoop is the complete reference and resource for experienced developers looking to employ Apache Hadoop in real-world settings. Written by an expert team of certified Hadoop developers, committers, and Summit speakers, this book details every key aspect of Hadoop technology to enable optimal processing of large data sets. Designed expressly for the professional developer, this book skips over the basics of database development to get you acquainted with the framework's processes and capabilities right away. The discussion covers each key Hadoop component individually, culminating in a sample application that brings all of the pieces

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together to illustrate the cooperation and interplay that make Hadoop a major big data solution. Coverage includes everything from storage and security to computing and user experience, with expert guidance on integrating other software and more. Hadoop is quickly reaching significant market usage, and more and more developers are being called upon to develop big data solutions using the Hadoop framework. This book covers the process from beginning to end, providing a crash course for professionals needing to learn and apply Hadoop quickly. Configure storage, UE, and in-memory computing Integrate Hadoop with other programs including Kafka and Storm Master the fundamentals of Apache Big Top and Ignite Build robust data security with expert tips and advice Hadoop's popularity is largely due to its accessibility. Open-source and written in Java, the framework offers almost no barrier to entry for experienced database developers already familiar with the skills and requirements real-world programming entails. Professional Hadoop gives you the practical information and framework-specific skills you need quickly.

## **What Do You Do If You Work at the Zoo?**

The keeping of zoo animals is a central tool in the conservation of some of the world's most fascinating, yet threatened, species. But how

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do zoos operate on a day-to-day basis? What are the key challenges they face in trying to feed, manage, and keep healthy the animals in their care? How can they play their part in conserving biodiversity? Zoo Animals: Behaviour, Management and Welfare addresses the key questions surrounding the keeping of exotic animals in captivity, and reveals how we can apply our ever-growing understanding of animal behaviour and use an evidence based approach to ensure zoo animals are managed as effectively as possible. Drawing on their extensive experience of zoo research, practice, and teaching, the authors blend together theory with a broad range of both mammalian and non-mammalian examples to give a highly-readable overview of this burgeoning field. 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. Online Resource Centre The Online Resource Centre to accompany Zoo Animals features: For all readers: · Updates - surveys of key developments in the field · Multiple choice questions with instant feedback, to aid self-assessment For registered adopters of the book: · Figures from the book in electronic format and full colour, available for download

## **Smiling Bears**

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In this book, Keekok Lee asks the question, 'what is an animal, and how does our treatment of it within captivity affect its status as a being ?' This ontological treatment marks the first such approach in looking at animals in captivity. Engaging with the moral questions of zoo-keeping (is it morally justified to keep a wild animal in captivity?) as well as the ontological (what is it that we conserve in zoos after all? A wild animal or its shadow?), Lee develops her own original hypothesis, centred around the concept of 'immuration' - defining this in contrast to domestication - and thereby provides a unique addition to the growing body of work on animal ethics.

## **Deer Antlers**

"Animal training 101," the first handbook of its kind, finally offers a complete marriage of the science of animal behavior and the practical art of animal training. In one comprehensive volume, this approach is presented in a simple and practical way that will be useful to both the seasoned professional and a beginning level enthusiast working with animals of any species. --back cover.

## **Animal Care and Management at the National Zoo**

Today, we tend to react skeptically to claims about our access to the animal mind, the political importance of compassion, and the natural origins of community. However, such claims were widespread in the Restoration and eighteenth century, the long Age of Sensibility. Even so famous a skeptic as the Enlightenment philosopher David Hume wrote that animals undoubtedly feel, think, love, hate, will, and even reason. In "The Animal Claim," Tobias Menely shows that for Hume and other thinkers of his time, the acknowledgment of creaturely voice was crucial to their theories of community. Looking primarily to the long eighteenth century in Britain, Menely argues that sympathy including sympathy with animals came to be regarded as a foundational resource of social relation, and that it fell to poets, in particular, to represent creaturely voice in the public sphere. Menely connects this development to new ideas of political community in Britain and the emergence of a viable discourse of animal rights in the age of legislative reform. The result is an original contribution to both animal studies and eighteenth-century scholarship."

## **The Zookeepers' War**

Building distributed applications is difficult enough without having to coordinate the actions that make them work. This practical guide

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shows how Apache ZooKeeper helps you manage distributed systems, so you can focus mainly on application logic. Even with ZooKeeper, implementing coordination tasks is not trivial, but this book provides good practices to give you a head start, and points out caveats that developers and administrators alike need to watch for along the way. In three separate sections, ZooKeeper contributors Flavio Junqueira and Benjamin Reed introduce the principles of distributed systems, provide ZooKeeper programming techniques, and include the information you need to administer this service. Learn how ZooKeeper solves common coordination tasks Explore the ZooKeeper API's Java and C implementations and how they differ Use methods to track and react to ZooKeeper state changes Handle failures of the network, application processes, and ZooKeeper itself Learn about ZooKeeper's trickier aspects dealing with concurrency, ordering, and configuration Use the Curator high-level interface for connection management Become familiar with ZooKeeper internals and administration tools

## **Principles and Applications of Domestic Animal Behavior**

The unbelievable true story of the Cold War's strangest proxy war, fought between the zoos on either side of the Berlin Wall. "The liveliness of Mohnhaupt's storytelling and the wonderful eccentricity

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of his subject matter make this book well worth a read.” –Star Tribune (Minneapolis) Living in West Berlin in the 1960s often felt like living in a zoo, everyone packed together behind a wall, with the world always watching. On the other side of the Iron Curtain, East Berlin and its zoo were spacious and lush, socialist utopias where everything was perfectly planned and then rarely completed. Berlin’s two zoos in East and West quickly became symbols of the divided city’s two halves. So no one was terribly surprised when the head zookeepers on either side started an animal arms race—rather than stockpiling nuclear warheads, they competed to have the most pandas and hippos. Soon, state funds were being diverted toward giving these new animals lavish welcomes worthy of visiting dignitaries. West German presidential candidates were talking about zoo policy on the campaign trail. And eventually politicians on both side of the Wall became convinced that if their zoo proved to be inferior, that would mean their country’s whole ideology was too. A quirky piece of Cold War history unlike anything you’ve heard before, *The Zookeepers’ War* is an epic tale of desperate rivalries, human follies, and an animal-mad city in which zookeeping became a way of continuing politics by other means.

### **Life at the Zoo**

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Even powerful birds of prey can get sick or hurt. When that happens, animal helpers at raptor centers come to the rescue! Dedicated staff treats injured, sick, and orphaned animals. They return the birds to their native environment or find forever homes at education and raptor centers for those that can't survive in the wild. Follow along in this photographic journal as staff and volunteers come together to care for these remarkable birds. This nonfiction picture book with a cuddle factor includes a 4-page For Creative Minds section in the back of the book and a 82-page cross-curricular Teaching Activity Guide online. Animal Helpers is vetted by experts and designed to encourage parental engagement. Its extensive back matter helps teachers with time-saving lesson ideas, provides extensions for science, math, and social studies units, and uses inquiry-based learning to help build critical thinking skills in young readers. The Spanish translation supports ELL and dual-language programs. The enhanced ebook reads aloud in both English and Spanish with word highlighting and audio speed control to promote oral language skills, fluency, pronunciation, text engagement, and reading comprehension.

## **Animal Minds**

Restraint and Handling of Wild and Domestic Animals, Third Edition offers an introduction to the basic principles of animal restraint and an overview of techniques for vertebrate wild and domestic animals. Fully updated throughout, the third edition also includes new chapters on understanding behavior, training for restraint and handling, and animal welfare and restraint. Now in full color, the third edition of this classic reference is an invaluable tool to recognizing potential danger in restraint and reducing stress in the animal.

## **Apache ZooKeeper Essentials**

If you're looking for a scalable storage solution to accommodate a virtually endless amount of data, this book shows you how Apache HBase can fulfill your needs. As the open source implementation of Google's BigTable architecture, HBase scales to billions of rows and millions of columns, while ensuring that write and read performance remain constant. Many IT executives are asking pointed questions about HBase. This book provides meaningful answers, whether you're evaluating this non-relational database or planning to put it into practice right away. Discover how tight integration with Hadoop makes scalability with HBase easier. Distribute large datasets across an inexpensive cluster of commodity servers. Access HBase with native Java clients, or

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with gateway servers providing REST, Avro, or Thrift APIs Get details on HBase's architecture, including the storage format, write-ahead log, background processes, and more Integrate HBase with Hadoop's MapReduce framework for massively parallelized data processing jobs Learn how to tune clusters, design schemas, copy tables, import bulk data, decommission nodes, and many other tasks

## **Father of Lions: the Story of Mosul Zoo**

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

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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.

## **Animal Behavior**

Introduces the different types of food zoo animals eat, with recipes from zoos around the world, including predator popsicles, digger's delight, and presto pesto sauce.--

## **Worms for Breakfast**

Roy and Silo are just like the other penguin couples at the zoo - they bow to each other, walk together and swim together. But Roy and Silo are a little bit different - they're both boys. Then, one day, when Mr Gramzay the zookeeper finds them trying to hatch astone, he realises that it may be time for Roy and Silo to become parents for real.

## **Animal Training 101**

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How did the Serengeti become an internationally renowned African conservation site and one of the most iconic destinations for a safari? In this book, Thomas M. Lekan illuminates the controversial origins of this national park by examining how Europe's greatest wildlife conservationist, former Frankfurt Zoo director and Oscar-winning documentarian Bernhard Grzimek, popularized it as a global destination. In the 1950s, Grzimek and his son Michael began a quest to save the Serengeti from modernization and "overpopulation" by remaking an imperial game reserve into a gigantic zoo for the earth's last great mammals. Grzimek, well-known to German audiences through his long-running television program, *A Place for Animals*, used the film *Serengeti Shall Not Die* to convince ordinary Europeans that they could save nature. Yet their message sidestepped the uncomfortable legacies of German colonial exploitation in the region that had endangered animals and excluded local people. After independence, Grzimek raised funds, brokered diplomatic favors, and convinced German tourists to book travel packages--all to persuade Tanzanian leader Julius Nyerere that wildlife would fuel the young nation's economic development. Grzimek helped Tanzania to create almost a dozen new national parks by 1975, but wooing tourists conflicted with rights of the Maasai and other African communities to inhabit the landscape on their own terms. Grzimek's global priorities eventually clashed with

Nyerere's nationalist ones, as a more self-assertive Tanzania resented conservationists' meddling and failed promises. A story that demonstrates the conflicts between international conservation, nature tourism, decolonization, and national sovereignty, Our Gigantic Zoo explores the legacy of the man who portrayed himself as a second Noah, called on a sacred mission to protect the last vestiges of paradise for all humankind.

## **Tigers of the World**

A pioneer in animal cognition makes the case for investigating the consciousness of non-humans, using examples from his work with dolphins, chimpanzees, and birds to back his argument, in a revised and expanded edition of the classic study.

## **The Zookeeper's Wife: A War Story (Movie Tie-in) (Movie Tie-in Editions)**

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

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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.

## **Cloning Wild Life**

FUNDAMENTALS OF ANIMAL SCIENCE is a research-based book that provides your students with balanced and comprehensive information on both companion animals, such as dogs and cats, and production animals such as horses, livestock, poultry and fish. This book provides an introductory overview on such key topics as animal production, rearing and products, and focuses on disciplines such as nutrition, reproduction, genetics and diseases. FUNDAMENTALS OF ANIMAL SCIENCE also includes sections on animal welfare, food safety, and how animals impact the environment. To foster classroom discussion and facilitate learning, this book presents related societal issues and discussion points for review and includes side bar definitions, multiple review questions, and illustrations that will help your students better understand the concepts of animal science. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

## **Animal Helpers**

This is a book about one of nature's most remarkable accomplishments.

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When deer grow antlers they are actually regenerating anatomically complex appendages - something that no other mammal can do. The rate at which antler elongate makes them the fastest growing structures in the animal kingdom. Profoundly affected by male hormones, these secondary sex characters grow into massive tumors if the deer possessing them is castrated. These and other unique characteristics have made antlers the focus of extensive scientific research that addresses some provocative questions: From what tissues do antlers develop? By what morphogenetic mechanisms are they regenerated every year? What social functions prompted their initial evolution? How are they influenced by hormones, and by the seasonal daylength fluctuations that regulate their annual replacement cycles? These and many other questions are considered in this comprehensive account of antlerology. Students of development, evolution, and behavior will find much to appreciate in this volume, as will ecologists, wildlife biologists, and zookeepers. It is a rich source of information for endocrinologists and physiologists interested in the relationship of antlers to the reproductive cycle. The orthopedists will find the study of antlers a valuable model of skeletal growth and bone disease, and the purported medicinal properties of velvet antlers will be a subject of interest to the pharmacologist. Deer Antlers: Regeneration, Function, and Evolution is as scientifically accurate as it is

readable. It does not answer all questions about these unique appendages, but it is certain to arouse curiosity about the many unsolved problems of how antlers grow, die, and are shed in the course of a single year.

## **The Zookeeper's War**

Whether you are a novice to ZooKeeper or already have some experience, you will be able to master the concepts of ZooKeeper and its usage with ease. This book assumes you to have some prior knowledge of distributed systems and high-level programming knowledge of C, Java, or Python, but no experience with Apache ZooKeeper is required.

## **Good Night, Gorilla**

From Caldecott Honor-winning team Steve Jenkins and Robin Page comes an early introduction to one of young readers' favorite places: the zoo! Going to the zoo is so exciting! You might see penguins swimming underwater, snakes sunning in the reptile house, or giraffes eating leaves out of high trees. You might even see people at the zoo, ones just like you! But what do those people do? Caldecott Honor-winning

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team Steve Jenkins and Robin Page introduce young readers to the people who keep zoo animals safe, healthy, and happy, even though they aren't in the wild habitats they've evolved for. From cuddling a baby kangaroo to trimming elephant toenails to playing soccer with a rhino, zookeepers work hard and do some pretty wacky things to take care of the incredible animals we see. So, what would you do if you were in the zookeeper's shoes? Turn the page and find out!

## **Victorian Animal Dreams**

“Packed with facts and photos, Zoology for Kids is a vibrant introduction to zoology that also provides inspiration for career options and activities to help children further explore and apply what they have learned.” —Liesl Pimentel, manager of education and formal programs, Phoenix Zoo Zoology for Kids invites young animal lovers to discover the animal kingdom through clear, entertaining information and anecdotes and hands-on activities. Part 1 introduces the science of zoology, discussing animals' forms, functions, and behaviors as well as the history behind zoos and aquariums. Kids bake edible animal cells, play a dolphin-echolocation game, and design an exhibit. Part 2 offers an insider's look at how zoologists apply their knowledge every day. Kids peek into the world of zookeepers and aquarists,

veterinarians, wildlife researchers, and conservationists. They “train” their friends, mold a tiger’s jawbone, and perform field research in their own backyard. Animal enthusiasts come away with new knowledge, a healthy respect for the animal kingdom, and the idea that they can pursue animal-related careers and make a difference to preserve and protect the natural world. Josh Hestermann is a marine-mammal keeper and trainer at the Brookfield Zoo in Illinois. Bethanie Hestermann is a freelance writer and contributing writer and editor at large at Connected World magazine. They live in Brookfield, Illinois. Martin and Chris Kratt, the Kratt Brothers, are the creators and cohosts of the PBS Kids series Wild Kratts, Kratts Creatures, and Zoboofafo.

## **Scientific Foundations of Zoos and Aquariums**

An extraordinary debut, a story of passion and sacrifice in a city battered by war In Berlin, who can you trust? A story of passion and sacrifice in a city battered by war It is 1943 and each night in a bomb shelter beneath the Berlin Zoo an Australian woman, Vera, shelters with her German husband, Axel, the zoo's director. together, they struggle to look after the animals through the air raids and food shortages. When the zoo's staff is drafted into the army, forced

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labourers are sent in as replacements. At first, Vera finds the idea abhorrent, but gradually she realises that the new workers are the zoo's only hope, and forms an unlikely bond with one of them. This is a city where a foreign accent is a constant source of suspicion, where busybodies report the names of neighbours' dinner guests to the Gestapo. As tensions mount in the closing days of the war, nothing, and no one, it seems, can be trusted. *The Zookeeper's War* is a powerful novel of a marriage, and of a city collapsing. It confronts not only the brutality of war but the possibility of heroism - and delivers an ending that is both shocking and deeply moving. 'Beautifully textured and extremely well realised a clever, inspired, insightful, tension-filled drama' BOOKSELLER+PUBLISHER

## **Professional Hadoop**

Hal Markowitz has been an internationally popular lecturer and consultant on environmental enrichment for four decades. *Enriching Animal Lives* is chock full of recipes for enriching lives of a wide range of animals along with a generous sprinkling of personal experiences. This book will be of interest to those working in zoos, aquariums, wild animal parks, and animal rehabilitation facilities. It will also be of interest to all animal lovers, especially those with

companion animals and scientists conducting research with captive animals. A detailed discussion concerning what represents meaningful environmental enrichment and the need to empower animals is provided in early chapters. The final chapter is a brief autobiographical description of events that led the author to pursue a career in science and teaching, and concludes with why that has been so enriching for him.

## **ZooKeeper**

When an unobservant zookeeper goes home, all the animals he thinks he has left behind in the zoo follow him. On board pages.

## **Enriching Animal Lives**

Animal Behavior covers the broad sweep of animal behavior from its neurological underpinnings to the importance of behavior in conservation. The authors, Michael D. Breed and Janice Moore, bring almost 60 years of combined experience as university professors to this textbook, much of that teaching animal behavior. An entire chapter is devoted to the vibrant new field of behavior and

conservation, including topics such as social behavior and the relationship between parasites, pathogens, and behavior. Thoughtful coverage has also been given to foraging behavior, mating and parenting behavior, anti-predator behavior and learning. This text addresses the physiological foundations of behavior in a way that is both accessible and inviting. Each chapter begins with learning objectives and concludes with thought-provoking questions. Additionally, special terms and definitions are highlighted throughout. The book provides a rich resource for students (and professors) from a wide range of life science disciplines. Provides a solid background in the neurophysiological and endocrinological bases of animal behavior as well as exceptionally strong coverage of social behavior. Includes behavior and homeostatic mechanisms, behavior and conservation, and behavioral aspects of disease. Highlights aspects of behavior that relate to domestic animals in particular. Lab manual with fully developed and tested laboratory exercises available for courses that have labs.

(<http://www.elsevierdirect.com/product.jsp?isbn=9780123725820>)

Companion site for faculty and students to enhance their learning experience at: [www.elsevierdirect.com/companions/9780123725813](http://www.elsevierdirect.com/companions/9780123725813)

**Restraint and Handling of Wild and Domestic Animals**

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A Zookeeper Excellence Award-winning researcher presents a journey into the psychological lives of bears, outlining her approach to bear study while sharing her experiences of learning about numerous individual bears, from a proud cub who was learning to crack nuts to a hostile bear who refused her friendship.

## **Zoos in the 21st Century**

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 Changing Nature of Work**

In order to understand and manage animals in their natural or captive environments we must first understand why animals do what they do and recognize limitations in their ability to adapt to different environments. Drawing on the author's considerable experience in both teaching and research, this introductory-level textbook describes the basic principles underlying animal behavior and how those concepts can be used in managing the care of domestic and captive wild animals, covering four key themes: development of behavior, biological rhythms, social behavior and behavioral aspects of animal management. Extensively illustrated with many practical examples and over 150 photos and figures, the book will be essential reading for animal science and veterinary students.

## **Wildlife Contraception**

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.

## **And Tango Makes Three**

A veteran veterinarian shares his experiences amongst the animals of the nation's zoos, examining the evolution and development of animal exhibits and animal care and describing some of the hilarious and moving tales of zoo animals and people.

## **Zoos**

This report follows up on an interim report released in February 2004 that focused on immediate needs in the areas of animal care and management, recordkeeping, and pest control. The report finds that the zoo has made good-faith efforts to correct deficiencies noted in the interim report and has made some noticeable improvements in the past year in zoo operations and animal care. However, problems in areas such as staff training, workplace culture, and strategic planning still need to be addressed. Specifically, the report recommends that the zoo immediately develop and implement animal-care training programs to ensure that people who are directly responsible for the well-being of its animal collection are adequately prepared and competent. The report commends a zoo-initiated strategic planning process as a positive step, but recommends it contain a more detailed, comprehensive strategy of how it will meet short-term goals and that it should link plans to upgrade facilities with those to acquire animals. The zoo should also focus on improving communication among keepers, veterinarians, nutritionists, senior managers, and curators.

## **Zoology for Kids**

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This is a story of human decency in the midst of barbarism - how the zookeeper of Mosul Zoo saved the animals during the Isis rule of the city between 2014 and 2017. 'This is an unexpectedly funny and moving book. You might not expect to laugh when reading about ISIS-held Mosul, but through the story of a man who loves both lions and life, Louise Callaghan shows how humour and defiance can counter cruelty, and why both humans and animals crave freedom' Lindsey Hilsum, International Editor, Channel 4 News and author of *In Extremis: the life of war correspondent Marie Colvin*. Between 2014 and 2017, the 'Islamic State' ruled the city of Mosul, in northern Iraq, killing 'traitors', destroying books and oppressing women. But miraculously, in a park on the eastern edge of the Tigris, a zoo was kept open. *Father of Lions* is the story of Mosul Zoo. It survived under the stern hand of Abu Laith, the zookeeper, a man with an interesting past and a lifelong animal lover. His real name was Imad, but for as long as he could remember everyone had called him by his nickname, Abu Laith - 'Father of Lions'. And the lions and bears survived not only two years of Isis occupation, but starvation and bombardment by liberating forces. As the animals began to starve, Abu Laith and his family and helpers went hungry to keep them alive. They risked their lives to pick through bins for leftovers in Isis-occupied neighbourhoods. In a final heroic effort, the surviving animals were smuggled out of Iraq

in a daring rescue operation. This is a story of human decency in the midst of barbarism.

## **HBase: The Definitive Guide**

Although there is great debate about how work is changing, there is a clear consensus that changes are fundamental and ongoing. The Changing Nature of Work examines the evidence for change in the world of work. The committee provides a clearly illustrated framework for understanding changes in work and these implications for analyzing the structure of occupations in both the civilian and military sectors. This volume explores the increasing demographic diversity of the workforce, the fluidity of boundaries between lines of work, the interdependent choices for how work is structured—and ultimately, the need for an integrated systematic approach to understanding how work is changing. The book offers a rich array of data and highlighted examples on: Markets, technology, and many other external conditions affecting the nature of work. Research findings on American workers and how they feel about work. Downsizing and the trend toward flatter organizational hierarchies. Autonomy, complexity, and other aspects of work structure. The committee reviews the evolution of occupational analysis and examines the effectiveness of the latest systems in

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characterizing current and projected changes in civilian and military work. The occupational structure and changing work requirements in the Army are presented as a case study.

## **American Zoo**

The movie *The Zookeeper's Wife*, based on the New York Times bestselling book, opens March 2017. 1939: the Germans have invaded Poland. The keepers of the Warsaw zoo, Jan and Antonina Zabinski, survive the bombardment of the city, only to see the occupiers ruthlessly kill many of their animals. The Nazis then carry off the prized specimens to Berlin for their program to create the "purest" breeds, much as they saw themselves as the purest human race. Opposed to all the Nazis represented, the Zabinskis risked their lives by hiding Jews in the now-empty animal cages, saving as many as three hundred people from extermination. Acclaimed, best-selling author Diane Ackerman, fascinated both by the Zabinskis' courage and by Antonina's incredible sensitivity to all living beings, tells a moving and dramatic story of the power of empathy and the strength of love. A Focus Features release, it is directed by Niki Caro, written by Angela Workman.

## **Fundamentals of Animal Science**

Using first-person stories and approachable scientific reviews, this volume explores how zoos conduct and support science around the world.

## **Our Gigantic Zoo**

The natural world is marked by an ever-increasing loss of varied habitats, a growing number of species extinctions, and a full range of new kinds of dilemmas posed by global warming. At the same time, humans are also working to actively shape this natural world through contemporary bioscience and biotechnology. In *Cloning Wild Life*, Carrie Friese posits that cloned endangered animals in zoos sit at the apex of these two trends, as humans seek a scientific solution to environmental crisis. Often fraught with controversy, cloning technologies, Friese argues, significantly affect our conceptualizations of and engagements with wildlife and nature. By studying animals at different locations, Friese explores the human practices surrounding the cloning of endangered animals. She visits zoos—the San Diego Zoological Park, the Audubon Center in New Orleans, and the Zoological Society of London—to see cloning and related

practices in action, as well as attending academic and medical conferences and interviewing scientists, conservationists, and zookeepers involved in cloning. Ultimately, she concludes that the act of recalibrating nature through science is what most disturbs us about cloning animals in captivity, revealing that debates over cloning become, in the end, a site of political struggle between different human groups. Moreover, Friese explores the implications of the social role that animals at the zoo play in the first place—how they are viewed, consumed, and used by humans for our own needs. A unique study uniting sociology and the study of science and technology, *Cloning Wild Life* demonstrates just how much bioscience reproduces and changes our ideas about the meaning of life itself.

## **Zoo Animals**

The contributors examine various forms of human dominion over animals as manifest in fiction, performance, and the visual arts, as well as in hunting, killing, vivisection, and zookeeping. Distinguished by its acknowledgment of how the Victorians' obsession with animals continues to haunt twenty-first-century animal rights debates, *Victorian Animal Dreams* provides valuable insight into the burgeoning field of animal studies and points toward future studies of animals in the Victorian

period.

## **Introduction to Animal Behavior**

The second edition of *Tigers of the World* explores tiger biology, ecology, conservation, management, and the science and technology that make this possible. In 1988, when the first edition was published, tiger conservation was still in its infancy, and two decades later there has been a revolution not only in what is known, but how information about tigers is obtained and disseminated. In the fast changing world of conservation, there is a great need to summarize the vast and current state-of-the-art, to put this into historical perspective, and to speculate in what yet remains to be done. *Tigers of the World, 2e* fulfills this need by bringing together in a unique way the world's leading tiger experts into one volume. Despite the challenges ahead, there are bright spots in this story and lessons aplenty not only for tiger specialists but large carnivore specialists, conservation biologists, wildlife managers, natural resource policymakers, and most importantly the caring public.

\*Examines the past twenty years of research from the world's leading tiger experts on biology, politics, and conservation. \*Describes latest methods used to disseminate and obtain information needed for

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conservation and care of this species. \*Includes coverage on genetics and ecology, policy, poaching and trade, captive breeding and farming, and the status of Asia's last wild tigers. \*Excellent resource for grad courses in conservation biology, wildlife management, and veterinary programs. \*New volume continues the classic Noyes Series in Animal Behavior, Ecology, Conservation and Management.

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