Appendix 4
Annotated Bibliography of Books, Journals, and Web Sites on Captive Management
Kay Kenyon Barboza and Linda L. Coates

INTRODUCTION
The following annotated bibliography of books, journals, and Web sites is designed to complement and expand on the information presented in the individual chapters of this book. It is not comprehensive, but offers a balanced selection of authoritative titles for different levels of interest and different professions within the captive mammal community.

Following the layout of this book, the section of annotated books is divided into the following categories: General Reference, Ethics and Animal Welfare Standards for Captive Mammals, Basic Mammal Management, Nutrition, Exhibitry, Conservation and Research, Behavior, and Reproduction. When a book is also available in digital format, the online location is provided in the Web site section. The subject matter of some books may be relevant to other sections, so it is advisable to look over the entire list.

The list of journals reflects the most relevant and authoritative titles for information on captive mammals. Most are readily available, and many can be found online. Your library may have an institutional subscription.

Web site addresses are subject to change, and those selected for this list appear to be the most stable. Web site sections have been divided into the following headings: General Mammal Resources and Fact Sheets, Resources on Mammal Species and Families, Directories and Bibliographic Resources, Regulations and Guidelines, Husbandry, Enrichment, Veterinary Care, Nutrition, Exhibitry, Conservation, and Organizations. Again, the subject matter of the sites overlaps.

GENERAL REFERENCE

The only authoritative and complete treatment of the mammalian fauna of this region published in English to date.


Contains life histories, taxonomy, captive behavior, social organization, locomotion, and conservation.


Covers evolution and classification of marsupials, genetics, reproduction and lactation, nutrition and digestion, the nervous and immunolymphatic systems, ecology and life histories, behavior, conservation, and management.


Each volume contains papers presented by zoo and aquarium personnel at both regional and annual conferences. Topics include animal behavior, husbandry, welfare, enrichment, zoo management, exhibits, conservation, and research.


A good basic overview of the 5 species of rhinos.


A great deal of information is packed into a small volume. Simple alphabetical index of species within a genus is accompanied by geographic range, status, and habitat preference.


A good overview of the giraffe.


From topics on the evolution of the kangaroo to kangaroo ranching, this is an excellent overview of the 6 species and 4 subspecies of the red and gray kangaroo. Suitable for the specialist and the general reader.


Results of a workshop held in 1979 in Rotterdam, the Netherlands. Contributors present a very good overview of the orangutan.


An update of Schaller’s classic 1963 work. Integrates new re-
search from zoos and primate centers with earlier information. Important sections on intelligence, behavior and ecology, reproduction, and infant development are included. Although written some time ago, the basic information is still the same.


In all 3 volumes, species accounts include description, distribution, natural history, measurements, range, and habitat. Drawings and maps included. A monumental and thorough reference work. The fourth and final volume of this series will cover the mammals of Mexico and Central America.


A unique, comprehensive survey of the anatomy, distribution, and description as well as the ecology and behavior of large African mammals. The section on ungulates is particularly thorough.


Revises and updates Chapman's 1982 *Wild Mammals of North America: Biology, Management, and Economics*. Provides detailed species accounts on the distribution, physiology, ecology, behavior, commercial value, and viability of nongame species and big game species.


Topics include the African environment, genetic and phonetic characteristics, ecology, and social behavior. Extensive maps and tables included.


A comprehensive 2-volume text on all aspects of carnivore biology. Papers in volume 1 discuss such topics as the role of odor in the social lives of carnivores, mating tactics and spacing patterns of solitary carnivores, adaptations for aquatic living, and physiology and evolution of delayed implantation. Papers in volume 2 discuss such topics as reintroduction efforts for the black-footed ferret and the red wolf, differential rates of mortality in captive chimpanzees, captive chimpanzee in language acquisition, captive chimpanzee in language acquisition.


Updates the 1990 edition with a different publisher and authors. This is still a major comprehensive reference on the biology of mammals. Excellent color photos, drawings, maps, and comparative charts summarizing the differences between related species.


Systematics, geographic variation, distribution, ecology, and biology of the terrestrial mammals of Arabia. A comprehensive, well-researched work.


Topics include social behavior and ecology of chimpanzees in the wild, behavior in captivity, the differences in cultural traditions between wild populations, and the cognitive abilities of captive chimpanzee in language acquisition.


Broad in scope, this text considers all aspects of the biology of marine mammal species in light of their adaptation to aquatic habitats. Topics include anatomical and physiological adaptations, vocal communication, social behavior, problem solving and memory, reproductive strategies, patterns of movement, population genetics, and conservation and management.


This 7-volume reference work provides a natural-history account for each species of mammal living in East Africa. Distribution maps and many excellent drawings are included.


More than a handbook, this guide provides full information on identification, distribution, ecology, evolutionary relationships, and conservation status.


A very readable overview of the biology of the koala. Covers the diet, digestion, reproduction, life history, behavior, and management. Both authors are highly regarded in koala research.


A team of international scientists and conservationists, including Chinese researchers, come together and discuss evolutionary history, biology, habitat, and conservation of the giant panda.


Provides accounts for 337 species of mammals. Details include date of introduction, person or agency responsible, the source population, the location of release, the fate of the introduction, and the impact on native biota. Distribution maps included.


This comprehensive reference work has been updated to include the latest scientific developments since the first edition. Written by internationally acclaimed experts, entries contain facts on animal evolution, behavior, conservation, and ecology for all mammalian species and species groups. Beautiful color photographs and drawings supplement the text.


Species descriptions with world distributions and geographic variations. Included for each species is its conservation status and important references to the literature.
A wealth of information on the 3 species of piglike creatures that inhabit the Americas.


A general overview of African antelopes. Addresses their complicated taxonomy and provides information on habitat, feeding, migration, breeding territoriality, and social organization.

An appendix contains synopses of various species.


A good basic resource on bears by bear experts. Contains descriptions and comparisons of all 8 species of bear, including the giant panda. Lots of good photos.


A basic reference source on every species of native and introduced mammal of Australia and Tasmania. Range maps and color photographs are provided.


Behavior and ecology of the 36 wild cat species with photos, distribution maps, and extensive bibliographies.


A comprehensive resource on the pygmy chimpanzee. Part 1 details the molecular biology, systematics, and morphology. Part 2 deals with behavior and includes habitat utilization, feeding ecology, social organization, and reproduction.


An authoritative guide to the lemurs. Addresses the origins of the Malagasy primates, the members of the Lemuridae, Lepilemuridae, Indriidae, Daubentoniidae, and Cheirogaleidae families. Discusses phylogeny and classification, morphology, and adaptation, behavior, and ecology.


Covers morphology, genetics, behavioral ecology, and conservation of the gorilla.


Comprehensive description of the morphology, physiology, and ethology of the Australian mammal families, with extensive bibliographies.


A thorough review of the Cervidae by more than 60 experts in the field. Topics addressed include their evolutionary history and radiation, anatomy and physiology, including antler development and neuroendocrine regulation, all aspects of behavior and reproduction, interspecific relationships, and management, both in captivity and in the wild.


Covers the world's deer species, their distribution and every aspect of their biology, mythology, and iconography.


Provides a single, unique English common name for all 4629 mammal species recognized by Wilson and Reeder (1993) and, when appropriate, for genera, families, and orders.
ETHICS AND ANIMAL WELFARE
STANDARDS FOR CAPTIVE MAMMALS


The author gives a clear and balanced account of the science and ethical issues of animal welfare. A good introduction.


Written by a diverse group of international behavioral scientists. Although slanted toward farm animals, it provides information that can be applied or adapted to wild species.


A thorough compilation of important international agreements designed to protect wild animals. It includes everything from large, multilateral agreements such as CITES to much smaller agreements protecting individual species and companion animals.


Discusses human responsibilities toward gorillas, chimpanzees, bonobos, and orangutans in captivity and in the wild from a wide range of viewpoints (zoo managers, conservationists, and behavioral scientists). 179.3 A8 S 497


Provides a comprehensive overview in an A-Z encyclopedic format. Topics include genetic engineering, hunting, pain, reproductive control, and zoos. Appendices include related organizations, Internet sites, comprehensive bibliography, and index.


Explores the history as well as current ethical issues of keeping wild animals in zoos. Such topics include human cruelty, human domination over animals, the well-being of wild animals outside their natural habitat, and the nature of wild and domestic animals. 179.3 A8 O C


An excellent resource for studies on animal welfare and stress. Analyzes the systems regulating the body and brain and an animal’s limits to adaptation.


Considers the ethical issues of research for conservation, environmental enrichment, and the role of IACUC (Institutional Animal Care and Use Committee) in zoos and aquariums.


A scholarly look at the history of animal rights in the laboratory, written by a veterinarian at a major research university. The author advocates extending biomedical progress and animal welfare. 179.4 C117.W


A clearly written, concise argument on why we should extend basic human rights to nonhuman animals. 179.3 C314 A


Two highly influential philosophers present opposing sides of the animal rights debate very thoroughly and articulately. 179.3 C663 A


Whether studying animals in the field or in captivity, this guide provides information on the number of subjects used in experiments, on assessing pain, and on the ethical issues raised by studies of predation and aggression.


A clear and balanced introduction on the ethical issues associated with using animals for research. 179.4 D68 S E


Deals with the role of zoos in animal welfare and the conservation of endangered wildlife. Discusses the physical, social, and psychological welfare issues of zoo enclosures, and considers zoo education and research and their role in the future of wildlife.


Contributors bring together a wide range of perspectives on animal stress from biomedical research. New approaches to alleviating stress are also discussed. 179.3 B 552.1


A provocative study of what zoos and zoo animals mean to humans. Topics include anthropomorphism, containment and control, zoo architecture, exhibition, and zoos in evolution.


A results of a 1985 amendment to the Animal Welfare Act. Examines what is known about the psychological needs of primates. Clearly written and useful, it discusses in detail a daily care program, which includes housing and sanitation, social companionship, and activities. 179.9 B 019 p 959


An important book on issues of animal conservation, welfare, and ethics. 179.9 B 301 E 737 and ebook.

639.9301 E737 and ebook.
fare, and rights facing the zoo community. Much of the focus of these papers is on ethical issues associated with captive breeding programs, such as research, reintroductions, and Species Survival Plans.


A scholarly classic written by the intellectual leader of the animal rights movement. Very thorough and persuasive argument for the end of animal exploitation.


Discusses the morality of using animals for scientific research. Includes a CD-ROM version.


In a question-and-answer format, the authors offer their interpretation of proper animal care and use in research laboratories based on federal regulations in the United States. Topics include IACUC (Institutional Animal Care and Use Committee) protocol forms, euthanasia, surgery, and the inspection of animal housing areas. Appendices include the Animal Welfare Act and Animal Welfare Act regulations.


The primary source for current government regulations dealing with animals. Title 8 contains regulations on animal health, interstate transportation, quarantine, and animal welfare. Title 50 is the current list of regulations on wildlife possession, selling, trapping, importing, exporting, etc. A mandatory tool for the zoo manager.

**BASIC MAMMAL MANAGEMENT**


Two loose-leaf binders include contributions from keepers at many institutions concerning hand-rearing techniques. Infant development data sheets document the nursing position, frequency of nursing, tooth eruption ages, introduction of solids, preferred solids, and weaning.


A handy and informative CD-ROM containing biological data on 590 species of mammals. Included are common name, scientific name, geographic range, normal adult size and weight, estrus cycle, breeding, gestation period, number of young, weaning, sexual maturity, and pulse and respiration rate.


Presents zoo management, and gives practical ways to improve the environment of zoo animals, including a list of browse plants, toxic plants, treats, enrichment suppliers, and cookbook recipes for enrichment.


Papers of the Annual Meeting of the American Association of Zoo Veterinarians. Covers all aspects of zoological medicine dealing with captive and free-ranging wild animals.


This is a comprehensive book on contraception. Provides zoo and aquarium wildlife managers information on the latest research developments in this area.


Encompasses a wide range of topics written by the top experts in the field. Covers facility design, health care and contraception, regulations, training, and the forming and managing of social groups. A thorough review of scientific literature.


Although this book is intended for the beginning student of veterinary pathology, it is also of value to curators and managers. Provides basic principles of general and molecular pathology for nonveterinarian animal species. It is clearly written and exceptionally well illustrated.


A report that addresses the history of elephants in captivity, their general husbandry, the social aspects of the zoo environment, training, reproduction, behavior problems, and mortality. There are special appendixes on dietary recommendations and foot problems.


No one involved in the management of captive wild mammals should miss this classic. General management information is provided for each mammal species, such as general care, diet, history in captivity, exhibit techniques, and breeding methods, and specific information on gestation periods and longevity is given.


Broad in scope, this book covers information on anatomy and physiology, infectious diseases, medical treatment, surgery, pathology, conservation medicine, feeding and housing, husbandry, stranding, and rehabilitation of cetaceans, pinnipeds, manatees, sea otters, and polar bears. An excellent reference for the veterinarian as well as the animal husbandry person.


An encyclopedic resource covering pathophysiology, diagnosis, and treatment of diseases affecting dogs and cats. This classic textbook is useful to all professionals concerned with diseases of mammals.


A variety of authors provide detailed descriptions of enrich-

Through text and illustrations, this book provides guidelines for humane and practical handling, both physically and chemically, of wild and domestic animals.


For the non-veterinarian and/or zoo manager. Covering reptiles to mammals, topics include reproduction, nutrition, captive management, public health, pests, and nuisance animals in zoos.


Thoroughly revised and organized by species in a user-friendly format, this is the most up-to-date authoritative text on veterinary medicine for captive exotic animals. The authors have contributed their knowledge and expertise on each animal's biology, anatomy, physiology, restraint and handling, special housing requirements, diseases, etc. Highly recommended for those who work with exotics.


Illustrated, detailed guide of instructions, tips, and advice on raising and caring for over 50 species of domestic, farm, wild, and zoo mammals. Topics include housing, common medical problems, expected weight gains, diets, and weaning techniques.


Results of a conference and workshop held in 2001 in South Africa for the Society for Tropical Veterinary Medicine and the Wildlife Disease Association. It addresses the problems of disease in both wild and domestic animals, and the transmission of disease between the 2 populations.


A practical guide to nursing exotic pets, with example case histories in each chapter.


Research data and practical information on animal handling.


Provides good, basic physiological information for a wide variety of mammals. Discusses stress, trauma, malnutrition, and systemic disease.


A practical guide to animal care, including emergency first aid, caging and enclosure requirements, diets, breeding, handling, marking, and diseases and parasites. Nicely illustrated with numerous drawings and photos.


This classic text provides the foundation for studying zoo biology. Discusses animal behavior and the basic principles of managing captive wild animals in terms of space requirements, diet, and animal-human relationships.


A good introduction to the problems of zoonoses. Topics covered are recognition of agents and diseases, development of control, prevention, and eradication strategies, the process of disease reporting, and issues for the future.


These conference proceedings are concerned exclusively with enrichment and animal welfare. Important for those dealing with captive mammals.


Complete comprehensive guide to the husbandry of Australian marsupials and other mammals. Information is provided on biology, housing, capture and restraint, transport, diet, breeding, artificial rearing, behavior, and behavioral enrichment.


A practical manual that provides detailed information for managing neonate and young primates. Discusses such topics as social structure, breeding age, seasonality, gestation, milk and milk intake, lactation and weaning, feeding, physical and behavioral development, disease and mortality, prevention and medicine, indications for hand rearing and reintegrations.


Although a bit dated, most parts are still very useful for those working directly with wild mammals in captivity or concerned generally with mammal conservation and management. It is the first edition of the present volume.


Practical guide by 26 wildlife specialists to using drugs on, capturing and handling, and transporting wild animals. Chapters discuss carnivores, primates, antelopes, and other herbivores such as elephants, rhinos, hippos, and giraffes.


A practical and thorough treatment for those called on to capture and restrain wild animals. Includes information on history, ethics, drug delivery equipment, techniques, pharmacology, postcapture management, emergency procedures, and human safety. Included is an extensive account of species-specific characteristics, and drug recommendations for over 300 common species of mammals, birds, and reptiles. Nicely illustrated.


A practical reference source for keeping laboratory animals healthy and in a favorable environment. Thirty chapters are devoted to mammals. Topics include biology, disease, feeding, handling, breeding, and life history.


Useful reference for those who work with small mammals. Coverage includes basic biology, husbandry, and routine care. Chapters also on disease management, surgery, and radiology.
A loose-leaf manual containing diets and information on hand-rearing techniques for infant wild mammals. Covers such topics as when to "pull" animals, composition of selected formulas, growth curves, any feeding apparatus or enclosure requirements, and the weaning process.


A general reference work that applies the basic principles of nutrition to mammals and other animals in their natural environments. Well illustrated with photos, graphs, and drawings.


Discusses the importance of diet to gastrointestinal health, neonatal and reproductive health, and renal health. Provides information on nutrition for the physically stressed dog.


Describes the properties of feedstuffs and feeding practices for a variety of domestic and exotic animals. A good introduction on this topic.


Symposia held biennially by the Comparative Nutrition Society bring together laboratory and field scientists from various disciplines with interests in comparative nutrition. Papers cover the disciplines of nutrition, physiology, metabolism, biochemistry, animal science, wildlife and marine biology, ecology, and all taxa, including mammals.


Discusses the use of tropical browse, pasture, and grain legumes in animal nutrition. Written by leading international authorities.


Subjects covered in these annual proceedings range from general nutrition of exotic animals to requirements of individual species and families. One of the few sources of information about nutrition of exotic animals.


In this engaging book, the author investigates how animals (mammals and birds) self-medicate themselves to stay healthy. She has compiled laboratory studies and field observations to separate scientifically verifiable fact and hard data from folklore.


This volume presents a selection of the papers that would have been presented at the 2nd Zoo Animal Nutrition Conference, had it not been cancelled due to an outbreak of foot-and-mouth disease. It is a useful reference on the nutrition of both free-ranging and captive ungulates.


Topics include digestion, thermoregulation in ungulates,