

# Biology Medicine And Surgery Of Elephants

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## **Tsetse Biology and Ecology**

Stephen G. A. Leak 1999  
Domestic livestock in Africa are of importance not only as a source of milk and meat but also as a source of animal traction enabling farmers to cultivate larger areas, with crops providing the staple foods. Trypanosomosis, a parasitic disease transmitted cyclically by the tsetse fly (*Glossina* spp.), is arguably still the main constraint to livestock

production on the continent, preventing full use of the land to feed the rapidly increasing human population. Sleeping sickness, the disease caused in humans by species of *Trypanosoma*, is an important and neglected disease posing a threat to millions of people in tsetse-infested areas. Often wrongly thought of as a disease of the past, the prevalence of human sleeping sickness is increasing in many areas. Although alternative methods

to control the disease are being investigated, such as immunological approaches, use of chemotherapy or exploitation of the trypanotolerance trait, it is only control or eradication of the tsetse fly vector which will remove the threat of the disease rather than providing a better means of "living" with it. As a result of the economic impact of tsetse-transmitted Trypanosomosis, a large amount of research literature has been produced. This book provides a comprehensive review of this literature. The text is divided into four parts: tsetse biology and ecology, epidemiology, vector control and control of trypanosomosis. The book is invaluable for medical and veterinary entomologists, parasitologists and epidemiologists.

**Zoo and Wild Animal Medicine Current Therapy - E-Book** Murray E. Fowler  
2007-09-20 With expert contributors from around the world sharing their knowledge on 57 new cutting-edge areas of interest, Zoo and Wild Animal Medicine, Volume 6 continues

to provide outstanding coverage of today's most relevant topics. This book is an essential resource in zoo and wild animal medicine, addressing the special challenges posed by individual and herd medical management, newly emerging diseases in diverse wild animal populations, the effect of habitat loss and destruction on wildlife species, and the utilization of zoo animals in the surveillance and detection of potential zoonoses. The user-friendly current therapy approach continues to serve a vital function in the field by fostering a conservation biology ethic, bridging the gap between captive and free-ranging wild animal medicine, from a diverse group of experts. Includes practical guidance on such topics as behavioral training for medical procedures and the use of infrared thermography. Divided into four sections -- Conditions Affecting Multiple Species, Poikilotherms, Avian Medicine, and Mammals -- to help you find the information you need quickly. Extensive contributor

list includes multinational contributors offering expert information on species from around the world. Presents timely topics in zoo and wild animal medicine with 57 new chapters to provide the best and most current information available. The most up-to-date information on hot topics such as avian influenza, West Nile virus, and other pathogens threatening wildlife and human populations on a global scale. Cutting-edge insights on environmental and public health concerns, such as occupational exposure to zoonotic simian retroviruses and use of wildlife rehabilitation centers as monitors for ecosystem health. A color plate section presents vivid depictions of external clinical signs for more accurate clinical recognition.

### **Mama's laatste omhelzing**

Frans de Waal 2019-05-20 In 'Mama's laatste omhelzing' richt Frans de Waal zich op het rijke emotionele leven van dieren. Het boek opent met het dramatische afscheid in Burgers' Zoo tussen Mama, een

stervende 59-jarige chimpansee, en Jan van Hooff, de bekende hoogleraar biologie. Hun laatste ontmoeting werd gefilmd en vervolgens door miljoenen mensen bekeken. Na zijn succesvolle boek 'Zijn we slim genoeg om te weten hoe slim dieren zijn?', brengt de Waal met 'Mama's laatste omhelzing' onder de aandacht dat mensen ook emotioneel meer verwant zijn aan dieren dan we denken. Frans de Waal interpreteert gezichtsuitdrukkingen en vertelt over de emotionele kanten van dierlijke én menselijke omgangsvormen. Hij ziet geen fundamenteel verschil tussen dierlijke en menselijke emoties en bespreekt de gevolgen van deze visie voor de manier waarop we met dieren omgaan. Dankzij de vele voorbeelden en de heldere taal van De Waal is 'Mama's laatste omhelzing' niet alleen een feest om te lezen, maar verandert het ook voorgoed onze kijk op het gevoelsleven van dieren.

### **Surgery of Exotic Animals R.**

Avery Bennett 2022-01-26

Surgery of Exotic Animals The

first book to provide veterinarians with in-depth guidance on exotic animal surgical principles and techniques. As the popularity of exotic animals continues to grow, it is becoming increasingly important for veterinarians to be knowledgeable and skilled in common surgical procedures for a wide range of exotic species. Written for practitioners and board-certified surgeons with a working knowledge of domestic animal surgery, *Surgery of Exotic Animals* is the first clinical manual to provide comprehensive guidance on surgical principles and common procedures in exotic pets, zoo animals, and wildlife. Edited by internationally recognized leaders in exotic animal surgery and zoological medicine, this much-needed volume covers invertebrates, fish, amphibians, reptiles, birds, and both terrestrial and marine mammals. Contributions from a team of surgery and zoo specialists offer detailed descriptions of common

surgeries and provide a wealth of color images demonstrating how each procedure is performed—including regional anatomy and surgical approaches. An invaluable one-stop source of authoritative surgical information on exotic species, this book: Provides illustrated guidance on surgical principles and common surgeries performed in exotic species. Describes general principles, instrumentation, equipment, suture materials, and magnification surgery. Covers a wide range of procedures such as small and large mammal dental surgery, avian soft tissue surgery, reptile orthopedic surgery, and primate surgery. Includes chapters on surgical oncology, megavertebrate laparoscopy, and minimally invasive surgery techniques. *Surgery of Exotic Animals* is an indispensable clinical guide and reference for all private veterinary practitioners; exotic, zoo, and wildlife veterinarians; laboratory animal veterinarians; veterinary students; and veterinary technicians.

## Zoo and Wild Animal Medicine

Murray E. Fowler 2008 With expert contributors from around the world sharing their knowledge on 57 new cutting-edge areas of interest, Zoo and Wild Animal Medicine, Volume 6 continues to provide outstanding coverage of today's most relevant topics. This book is an essential resource in zoo and wild animal medicine, addressing the special challenges posed by individual and herd medical management, newly emerging diseases in diverse wild animal populations, the effect of habitat loss and destruction on wildlife species, and the utilization of zoo animals in the surveillance and detection of potential zoonoses. The user-friendly current therapy approach continues to serve a vital function in the field by fostering a conservation biology ethic, bridging the gap between captive and free-ranging wild animal medicine, from a diverse group of experts. Includes practical guidance on such topics as behavioral training for medical procedures and the use of

infrared thermography. Divided into four sections -- Conditions Affecting Multiple Species, Poikilotherms, Avian Medicine, and Mammals -- to help you find the information you need quickly. Extensive contributor list includes multinational contributors offering expert information on species from around the world. Presents timely topics in zoo and wild animal medicine with 57 new chapters to provide the best and most current information available. The most up-to-date information on hot topics such as avian influenza, West Nile virus, and other pathogens threatening wildlife and human populations on a global scale. Cutting-edge insights on environmental and public health concerns, such as occupational exposure to zoonotic simian retroviruses and use of wildlife rehabilitation centers as monitors for ecosystem health. A color plate section presents vivid depictions of external clinical signs for more accurate clinical recognition.

**Miller - Fowler's Zoo and**

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**Wild Animal Medicine  
Current Therapy, Volume 9  
E-Book** Eric R. Miller

2018-05-07 Bringing together a globally diverse range of timely topics related to zoo and wild animals, Fowler's Zoo and Wild Animal Medicine, Volume 9 is an invaluable tool for any professional working directly with wildlife and zoo animals. The text's user-friendly format guides readers through biology, anatomy, and special physiology; reproduction; restraint and handling; housing requirements; nutrition and feeding; surgery and anesthesia; diagnostics, and therapeutics for each animal. Two new co-editors and a globally diverse group of expert contributors each lend their expertise on a wide range of new topics — including a new section on emerging wildlife diseases covering topics like MERS, Equine Herpesvirus, and Ebola in great apes. Other new topics integrated into this ninth volume include: stem cell therapy in zoo medicine, cardiac disease in great apes, disease risk assessment in field

studies, Tasmanian devil tumors, and the latest information on the elephant herpes virus. With all its synthesized coverage of emerging trends, treatment protocols, and diagnostic updates new to the field, Fowler's is a reference you don't want to be without. Current therapy format ensures that each CT volume in the series covers all new topics that are relevant at the time of publication. Synthesized topics offer the right amount of depth — often fewer than 10 pages — to maintain an accessible format. General taxon-based format covers all terrestrial vertebrate taxa plus selected topics on aquatic and invertebrate taxa. Updated information from the Zoological Information Management System (ZIMS) has been incorporated to keep readers up to date on this worldwide system. Globally diverse panel of expert contributors each incorporate the latest research and clinical management of captive and free-ranging wild animals throughout the world.

NEW! Two new co-editors (for a total of three editors) each lend their expertise on a wide range of new wild and zoo animal topics. NEW! Section on emerging wildlife diseases includes chapters on MERS, SARS, Ebola in great apes, and a variety of other emerging wildlife diseases.

### Zoo and Wild Mammal

Formulary Alicia Hahn

2019-08-27 Zoo and Wild Mammal Formulary offers fast access to authoritative dosing information for drugs used in more than 35 zoo and wild mammal groups, including marsupials, bears, and elephants. Taking an easy-to-use tabular format, the book is organized by taxa, with drug doses sorted by type and alphabetically arranged in every chapter. Clear and comprehensive, the book offers dosages for all important drugs, including antibiotics, antifungals, anesthetics, analgesics, and more. Each dose is referenced with a journal or textbook source, including the number of animals in the study where

available, making it easy to find trusted information. Offers essential drug information for a wide range of zoo and wild mammals in an easy-to-consult format Provides dosing amounts for all important drugs, including antibiotics, antifungals, anesthetics, and analgesics Includes dosages for over 35 mammal groups, including marsupials, bears, and elephants Takes a tabular approach for quick reference Makes it easy to find a referenced dose for these animals, eliminating time spent searching through other sources Zoo and Wild Mammal Formulary is an essential reference for all veterinarians seeing zoo and wild animal patients, including zoo and wildlife veterinarians, veterinary specialists, and veterinary students.

Mammals of Africa Jonathan Kingdon 2013-05-23 Mammals of Africa (MoA) is a series of six volumes which describes, in detail, every currently recognized species of African land mammal. This is the first time that such extensive

coverage has ever been attempted, and the volumes incorporate the very latest information and detailed discussion of the morphology, distribution, biology and evolution (including reference to fossil and molecular data) of Africa's mammals. With 1,160 species and 16 orders, Africa has the greatest diversity and abundance of mammals in the world. The reasons for this and the mechanisms behind their evolution are given special attention in the series. Each volume follows the same format, with detailed profiles of every species and higher taxa. The series includes some 660 colour illustrations by Jonathan Kingdon and his many drawings highlight details of morphology and behaviour of the species concerned. Diagrams, schematic details and line drawings of skulls and jaws are by Jonathan Kingdon and Meredith Happold. Every species also includes a detailed distribution map. Extensive references alert readers to more detailed information.

Volume I: Introductory Chapters

and Afrotheria (352 pages)  
Volume II: Primates (560 pages)  
Volume III: Rodents, Hares and Rabbits (784 pages)  
Volume IV: Hedgehogs, Shrews and Bats (800 pages)  
Volume V: Carnivores, Pangolins, Equids and Rhinoceroses (560 pages)  
Volume VI: Pigs, Hippopotamuses, Chevrotain, Giraffes, Deer and Bovids (704 pages)

### **Biodiversity Conservation in Nepal** K. P. Acharya 2012

Contributed articles.

*Zoo Story* Thomas French

2010-07-06 "This story, told by a master teller of such things, does more than take you inside the cages, fences, and walls of a zoo. It takes you inside the human heart, and an elephant's, and a primate's, and on and on. Tom French did in this book what he always does. He took real life and wrote it down for us, with eloquence and feeling and aching detail." -Rick Bragg, Pulitzer Prize-winning journalist and bestselling author "An insightful and detailed look at the complex life of a zoo and its denizens, both animal and

human." -Yann Martel, author of *Life of Pi* and *Beatrice and Virgil*  
Welcome to the savage and surprising world of *Zoo Story*, an unprecedented account of the secret life of a zoo and its inhabitants. Based on six years of research, the book follows a handful of unforgettable characters at Tampa's Lowry Park Zoo: an alpha chimp with a weakness for blondes, a ferocious tiger who revels in Obsession perfume, and a brilliant but tyrannical CEO known as El Diablo Blanco. The sweeping narrative takes the reader from the African savannah to the forests of Panama and deep into the inner workings of a place some describe as a sanctuary and others condemn as a prison. *Zoo Story* shows us how these remarkable individuals live, how some die, and what their experiences reveal about the human desire to both exalt and control nature.

*Dierenbrein & mensenlijf*

Barbara Natterson-Horowitz  
2013-01-15 Toen Barbara Natterson-Horowitz naar de dierentuin van Los Angeles

werd geroepen bij een aap met een hartkwaal, kwam ze tot een baanbrekend inzicht. Het zou haar werk als cardioloog en psychiater ingrijpend veranderen. Ze ontdekte dat er fascinerend veel overeenkomsten zijn tussen mensen en dieren. Dieren kunnen dezelfde ziektes krijgen als mensen. Als we weten hoe deze ziektes bij dieren kunnen worden bestreden, ligt genezing bij mensen binnen handbereik.

### **Influences on Animal Growth and Development**

Roy A. L. Batt 1980

### **Biology and the Riddle of Life**

Charles Birch 1999  
Annotation. "What is life? What does it mean to be alive? Is the Earth a super-organism? Is God necessary? In *Biology and the Riddle of Life* Charles Birch confronts these fundamental questions at a time when such topics as genetic engineering, cloning and ecology have been prominent in the news. Birch confronts the impression that modern biology has answers to all that there is to be known about life. We need to move

towards an understanding of living creatures as subjects, and not only as objects, in order to probe life's hidden secrets - what it is to be alive, what it is to experience pain, and what it is to be in love. The answer must include the meaning of life for us as individuals. Birch proposes a new perspective to bring subject and object together. This is the black box he has opened."--BOOK JACKET. Title Summary field provided by Blackwell North America, Inc. All Rights Reserved.

**Biology, Medicine, and Surgery of Elephants** Murray Fowler 2008-01-09 Elephants are possibly the most well-known members of the animal kingdom. The enormous size, unusual anatomy, and longevity of elephants have fascinated humans for millenia. **Biology, Medicine, and Surgery of Elephants** serves as a comprehensive text on elephant medicine and surgery. Based on the expertise of 36 scientists and clinical veterinarians, this volume covers biology, husbandry,

veterinary medicine and surgery of the elephant as known today. Written by the foremost experts in the field Comprehensively covers both Asian and African elephants Complete with taxonomy, behavioral, geographical and systemic information Well-illustrated and organized for easy reference

**Biology** Helena Curtis 1989-04-15

*Science, Animals, and Evolution*

Catherine Roberts 1980

*Jeff Herman's Guide to Book Publishers, Editors & Literary*

*Agents 2007* Jeff Herman

2006-12 Presents a guide to the names and specialities of American and Canadian publishers, editors, and literary agents, including information on the acquisition process and on choosing literary agents.

**Mammalia** 2008

*De genialiteit van vogels*

Jennifer Ackerman 2017-06-28

Vogels zijn verbluffend intelligente wezens. Diezelfde papegaaien die ons het woord 'papegaaien' hebben bezorgd, praten ons niet alleen na, maar blijken te kunnen antwoorden,

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rekenen en spellen. Sommige kraaiensoorten lossen ingewikkelde puzzels op en maken ingenieuze werktuigen. Vogels vertonen indrukwekkende sociale vaardigheden. Ze bedriegen en manipuleren. Ze spelen luistervink. Ze hebben een groot gevoel voor rechtvaardigheid. Ze geven cadeautjes. Ze spelen. Ze plagen. Ze delen. Ze onderhouden sociale netwerken. Ze rivaliseren om status. Ze troosten elkaar. Ze onderrichten hun jongen. Ze chanteren hun ouders. Ze waarschuwen elkaar voor gevaar. Ze verzamelen zich bij een dode soortgenoot. En misschien rouwen ze zelfs. Baanbrekend nieuw onderzoek heeft niet alleen aangetoond dat sommige vogels zich kunnen meten met de hogere primaten en zelfs de mens, maar ook dat ze daarnaast over geheel eigen vormen van genialiteit beschikken: wie van ons heeft het imitatietalent van de spotlijster of het navigatievermogen van de roodborst? Veel vogels hebben

net als wij een relatief groot brein voor hun lichaamsomvang, met hoge aantallen neuronen en verbindingen waar dit telt. Het vogelbrein mag dan klein lijken, het is tot grootse dingen in staat. In De genialiteit van vogels doorkruist Jennifer Ackerman de wereld naar de plekken waar het allemaal gebeurt - de onderzoekscentra op Barbados en Nieuw-Caledonië, de koolmezegemeenschappen van het Verenigd Koninkrijk, de priefvogelhabitats van Nieuw-Guinea, de gehavende Amerikaanse oostkust vlak na de orkaan Sandy en de opwarmende bergstreken van Centraal-Virginia en het westen van de VS - en duikt ze in de laatste ontdekkingen rond het vogelbrein, die een nieuw licht werpen op de essentie van intelligentie. Haar verhaal, wetenschappelijke verkenning en reisverhaal ineen, verschaft ons een nieuwe blik op de uitzonderlijke talenten van vogels en op wat ze ons kunnen vertellen over onze veranderende wereld. Jennifer

Ackerman (1959) schrijft al bijna dertig jaar over wetenschap, natuur en biologie. Ze publiceert regelmatig in Scientific American, National Geographic en The New York Times. 'Een heerlijk prikkelend en onderhoudend boek. Jennifer Ackerman biedt een meesterlijk overzicht van het onderzoek dat ons begrip van cognitie bij vogels in de afgelopen twee decennia drastisch heeft veranderd. De genialiteit van vogels is belangrijk om wat het ons vertelt over vogels, maar ook over het menselijk vernuft dat betrokken is bij het ontrafelen van de raadsels van het vogelbrein. Het is een boek vol kennis en verwondering en een bevestiging van de verbluffende complexiteit van onze wereld.' - Wall Street Journal 'De genialiteit van vogels is niet alleen leuk voor experts en vogelfans. Ook voor de terloopse lezer vallen er genoeg verrassende en wonderlijke feiten uit op te pikken.' The Times

Engineering and Living Systems  
David D. Rutstein 1970 This book outlines for the first time a

sound plan for interrelating the physical and engineering sciences and mathematics with biology and medicine. The walls of narrowing specialization that have kept these disciplines apart are broken down. The proposed program points up the need for an administrative structure to aid the flow of concepts, ideas, knowledge, and technology among those concerned, both within and without the university. The kinds of experts needed to bridge the existing gap between the two groups of disciplines are defined. Educational programs are outlined for full-time specialists, research participants, and practitioners in both engineering and medicine. A careful description is given of the stepwise process, including interaction with industry to apply development in the engineering sense to biology and medicine. A detailed example of the application of systems analysis and operations research to the development of a specific medical care program is also

included. This book is a distillate of the general principles learned during the exploration of a joint program between Harvard University and the Massachusetts Institute of Technology, which was summarized by the authors in a Report to the National Academy of Engineering. The authors recognize the impossibility of providing on their own the authoritative grasp necessary to provide specific recommendations for the future in the many field comprised by engineering and living systems. Cooperation was obtained of outstanding experts on the two faculties, who prepared sixteen task group reports under the following headings: artificial internal organs; bioengineering curricula; biological control systems; continuing education; diagnostic instrumentation; diagnostic processes; image processing and visualization techniques; medical care microsystems; neurophysiology; organ and cell culture and storage; physiological monitoring; physiological systems analysis;

regionalization of health services (macrosystems); sensory aids; skeletal prostheses; and subcellular engineering. The task group reports, included in this book, provide the documentation for the general conclusions of the authors. This book supplements existing medical programs with a new research approach to increase fundamental knowledge, and points the way to better medical care through more efficient application of engineering, technology, and systems development.

**Fowler's Zoo and Wild Animal Medicine Current Therapy, Volume 7 - E-Book**

R. Eric Miller 2011-07-11 With coverage of current issues and emerging trends, Fowler's Zoo and Wild Animal Medicine, Volume 7 provides a comprehensive, all-new reference for the management of zoo and wildlife diseases. A Current Therapy format emphasizes the latest advances in the field, including nutrition, diagnosis, and treatment protocols. Cutting-edge coverage includes topics such

as the "One Medicine" concept, laparoscopic surgery in elephants and rhinoceros, amphibian viral diseases, and advanced water quality evaluation for zoos. Editors R. Eric Miller and Murray E. Fowler promote a philosophy of animal conservation, bridging the gap between captive and free-ranging wild animal medicine with chapters contributed by more than 100 international experts. The Current Therapy format focuses on emerging trends, treatment protocols, and diagnostic updates new to the field, providing timely information on the latest advances in zoo and wild animal medicine. Content ranges from drug treatment, nutrition, husbandry, surgery, and imaging to behavioral training. Coverage of species ranges from giraffes, elephants, lions, and orangutans to sea turtles, hellbenders, bats, kakapos, and more. An extensive list of contributors includes recognized authors from around the world, offering expert information with chapters focusing on the latest

research and clinical management of captive and free-ranging wild animals. A philosophy of animal conservation helps zoo and wildlife veterinarians fulfill not only the technical aspects of veterinary medicine, but contribute to the overall biological teams needed to rescue many threatened and endangered species from extinction. All content is new, with coverage including coverage of cutting-edge issues such as white-nose disease in bats, updates on Ebola virus in wild great apes, and chytrid fungus in amphibians. Full-color photographs depict external clinical signs for more accurate clinical recognition. Discussions of the "One Medicine" concept include chapters addressing the interface between wildlife, livestock, human, and ecosystem health. New sections cover Edentates, Marsupials, Carnivores, Perrissodactyla, and Camelids. Over 100 new tables provide a quick reference to a wide range of topics. An emphasis on conserving threatened and endangered

species globally involves 102 expert authors representing 12 different countries.

**Faces of Medicine** W.J. van der Steen 1988-02-29 1.

MEDICINE Illness, disease and disability plague man in every culture. But the form they take is not the same everywhere. Neither is man's reaction. Coping strategies, and the experience and knowledge backing them, depend very much on cultural setting. So medicine, the fabric of strategy and knowledge, can only be understood in the context of culture. In western society today, severe judgements are passed on medicine. Its store of knowledge and experience, and its repertory of strategies, have grown immensely during the last few decades. But it hardly alleviates dominant ailments, especially chronic diseases, diseases of old age and disturbances of social and mental functioning. We know that these ailments have come to the fore as the incidence of more "primitive" diseases declined in industrial societies. Infant deaths, and malnutrition

and infections striking at young age, have dwindled to marginal significance in Western Europe and life expectancy at birth is twice that of some 150 years ago. Thus our new troubles are connected with past successes.

*Te wapen* Terry Pratchett 2012-07-11 De Stadswacht heeft echte Mannen nodig! Zijn de wachters dan niet mans genoeg? Mans, och ja — maar mens? Zo hebben we bijvoorbeeld Korporaal Biet (op papier een dwerg), Veldwachter Pruimpie (echt een dwerg), Veldwachter Gneisbaard (een trol), Veldwachter Angoea (een vrouw... meestal) en Korporaal Bollebos (uit het mensdom gezet wegens duwen). Mans genoeg, maar toch dringend verlegen om hulp. Want in de stad heersen moord en doodslag, zonder de vereiste vergunning! En graag vóór morgenmiddag moet deze zaak rond zijn, want dan gaat Kaptein Flinx met ontslag wegens huwelijk.

Vuurgevaarlijke actie, pratende honden en keiharde romantiek!  
*Fowler's Zoo and Wild Animal Medicine Current Therapy,*

*Volume 10 - E-Book* Eric R. Miller 2022-07-08 Fowler's Current Therapy format ensures that each volume in the series covers all-new topics with timely information on current topics of interest in the field. Focused coverage offers just the right amount of depth — often fewer than 10 pages in a chapter — which makes the material easier to access and easier to understand. General taxon-based format covers all terrestrial vertebrate taxa plus selected topics on aquatic and invertebrate taxa. Updated information from the Zoological Information Management System (ZIMS) includes records from their growing database for 2.3 million animals (374,000 living) and 23,000 taxa, which can serve as a basis for new research. Expert, global contributors include authors from the U.S. and 25 other countries, each representing trends in their part of the world, and each focusing on the latest research and clinical management of captive and free-ranging wild animals.

Pathology of Wildlife and Zoo

Animals Karen A. Terio 2018-10-08 Pathology of Wildlife and Zoo Animals is a comprehensive resource that covers the pathology of wildlife and zoo species, including a wide scope of animals, disease types and geographic regions. It is the definitive book for students, biologists, scientists, physicians, veterinary clinicians and pathologists working with non-domestic species in a variety of settings. General chapters include information on performing necropsies, proper techniques to meet the specialized needs of forensic cases, laboratory diagnostics, and an introduction into basic principles of comparative clinical pathology. The taxon-based chapters provide information about disease in related groups of animals and include descriptions of gross and histologic lesions, pathogenesis and diagnostics. For each group of animals, notable, unique gross and microscopic anatomical features are provided to further assist the reader in deciding whether differences from the

domestic animal paradigm are "normal." Additional online content, which includes text, images, and whole scanned glass slides of selected conditions, expands the published material resulting in a comprehensive approach to the topic. Presents a single resource for performing necropsies on a variety of taxa, including terrestrial and aquatic vertebrates and invertebrates Describes notable, unique gross and microscopic anatomical variations among species/taxa to assist in understanding normal features, in particular those that can be mistaken as being abnormal Provides consistent organization of chapters with descriptions of unique anatomic features, common non-infectious and infectious diseases following brief overviews of the taxonomic group Contains full-color, high quality illustrations of diseases Links to a large online library of scanned slides related to topics in the book that illustrate important histologic findings

Human Natures Paul R. Ehrlich

2000-08 Explores the impact and inconsistencies of human evolution upon human nature, examining the physical, intellectual, cultural, and sexual aspects of human development and behaviors in the light of current scientific theory.

Atomic Absorption

Spectroscopy Gary D. Christian  
1970 May 2003

**De wetenschap en praktijk der geneeskunde** William Aitken 1868

*Coup-d'oeil général sur les possessions néerlandaises dans l'Inde archipélagique* Coenraad Jacob Temminck 1847

*Yoga for Mental Health* Mason

2018-10-01 Yoga is a comprehensive mind-body practice that is particularly effective for self-regulation, mood management, fostering resilience, and promotion of wellbeing. Inherently, yoga is a system for improving mental health and alleviating suffering at the deepest levels.

Consequently, yoga's potential as a key component of integrative and complementary mental health is now being recognized internationally. This

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book serves as a reference, but also as a bridge between yoga therapy and healthcare, helping to add to the process of growing integration. It provides a professional resource for mental health professionals interested in the potential for yoga interventions that facilitate the therapeutic process, and who want to learn ways in which yoga can catalyze and deepen this process across a broad spectrum of mental health approaches. Similarly for yoga professionals with a focus on mental health and wellbeing who want to expand their understanding of how yoga relates to mental health approaches and their knowledge of best practices. The format is designed for consistency and ease of reading. Chapter 1 introduces the reader to the yogic viewpoint of mental health and wellbeing, and the psychological and neurological rationale for yoga's usage in mental health conditions. Each subsequent chapter is organized into a clinical

overview of mental health conditions, followed by sections on current research and the rationale for incorporating yoga into the treatment of the condition, recommended yoga practices, and future directions. Cactussen en vetplanten Philip Perl 1989 Met talrijke afbeeldingen in kleur geïllustreerde beschrijving van de soorten in alfabetische volgorde, de verzorging en het vermeerderen en enten van de ene soort op de andere.

### **Mammals of Africa: Volume**

**I** Jonathan Kingdon 2014-11-20 Mammals of Africa (MoA) is a series of six volumes which describes, in detail, every currently recognized species of African land mammal. This is the first time that such extensive coverage has ever been attempted, and the volumes incorporate the very latest information and detailed discussion of the morphology, distribution, biology and evolution (including reference to fossil and molecular data) of Africa's mammals. With more than 1,160 species and 16-18 orders, Africa has the greatest

diversity and abundance of mammals in the world. The reasons for this and the mechanisms behind their evolution are given special attention in the series. Each volume follows the same format, with detailed profiles of every species and higher taxa. The series includes hundreds of colour illustrations and pencil drawings by Jonathan Kingdon highlighting the morphology and behaviour of the species concerned, as well as line drawings of skulls and jaws by Jonathan Kingdon and Meredith Happold. Every species also includes a detailed distribution map. Edited by Jonathan Kingdon, David Happold, Tom Butynski, Mike Hoffmann, Meredith Happold and Jan Kalina, and written by more than 350 authors, all experts in their fields, *Mammals of Africa* is as comprehensive a compendium of current knowledge as is possible. Extensive references alert readers to more detailed information. This first volume in the series comprises eight introductory chapters covering

topics such as evolution, geography and geology, biotic zones, classification, behaviour and morphology. The rest of the book is devoted to the Afrotheria, a grouping that comprises six orders and 49 species; these are the hyraxes, elephants, manatees, otter-shrews, golden-moles, sengis (elephant-shrews) and Aardvark.

[An Introduction to Mathematical Physiology and Biology](#) J.

Mazumdar 1989-02-24

**Elephants on Acid** Alex Boese 2007 Offers an odyssey into the world of bizarre, outrageous, and provocative scientific experiments that seek to determine what happens to an elephant that is given a dose of LSD, would the average dog summon help in an emergency, and can life really be resto

**Methods and Morals in the Life Sciences** Wim J. van der Steen 2001 Van der Steen and Ho present tools from logic and ethics for assessing and creating scientific literature in biology and biomedicine. Contending that logic and methodology are not well

applied in medicine and biology, they argue that the impact of social and moral factors on claims within the disciplines are underestimated by most researchers. They then set forth approaches to better assess the literature and to generate more effectively argued and accurate materials.

### **Biodiversity and**

### **Environmental Philosophy**

Sahotra Sarkar 2005-09-19 An exploration of the ethical issues at the foundations of environmental philosophy challenges attempts to attribute intrinsic value to nature and covers such topics as problems of prediction in traditional ecology and the future directions for theoretical research in environmental philosophy and conservation biology.

### **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

**Elephant Company** Vicki Croke 2014-07-15 NEW YORK TIMES BESTSELLER • A NEW YORK TIMES NOTABLE BOOK  
The remarkable story of James Howard "Billy" Williams, whose uncanny rapport with the world's largest land animals transformed him from a carefree young man into the charismatic war hero known as Elephant Bill In 1920, Billy Williams came to colonial Burma as a "forest man" for a British teak company. Mesmerized by the intelligence and character of the great animals who hauled logs through the jungle, he became a gifted "elephant wallah." In *Elephant Company*, Vicki

Constantine Croke chronicles Williams's growing love for elephants as the animals provide him lessons in courage, trust, and gratitude. *Elephant Company* is also a tale of war and daring. When Japanese forces invaded Burma in 1942, Williams joined the elite British Force 136 and operated behind enemy lines. His war elephants carried supplies, helped build bridges, and transported the sick and elderly over treacherous mountain terrain. As the occupying authorities put a price on his head, Williams and his elephants faced their most perilous test. *Elephant Company*, cornered by the enemy, attempted a desperate escape: a risky trek over the mountainous border to India, with a bedraggled group of refugees in tow. Part biography, part war epic, *Elephant Company* is an inspirational narrative that illuminates a little-known chapter in the annals of wartime heroism. Praise for *Elephant Company* "This book is about far more than just the war, or even elephants. This is

the story of friendship, loyalty and breathtaking bravery that transcends species. . . . Elephant Company is nothing less than a sweeping tale, masterfully written.”—Sara Gruen, The New York Times Book Review “Splendid . . . Blending biography, history, and wildlife biology, [Vicki Constantine] Croke’s story is an often moving account of [Billy] Williams, who earned the sobriquet ‘Elephant Bill,’ and his unusual bond with the largest land mammals on earth.”—The Boston Globe “Some of the biggest heroes of World War II were even bigger than you thought. . . . You may never call the lion the king of the jungle again.”—New York Post “Vicki Constantine Croke delivers an exciting tale of this elephant whisperer-cum-war hero, while beautifully reminding us of the enduring bonds between animals and humans.”—Mitchell Zuckoff, author of Lost in Shangri-La and Frozen in Time

**Reproductive Sciences in Animal Conservation** Pierre Comizzoli 2019-08-30 This

second edition emphasizes the environmental impact on reproduction, with updated chapters throughout as well as complete new chapters on species such as sharks and rays. This is a wide-ranging book that will be of relevance to anyone involved in species conservation, and provides critical perspectives on the real utility of current and emerging reproductive sciences. Understanding reproductive biology is centrally important to the way many of the world’s conservation problems should be tackled. Currently the extinction problem is huge, with up to 30% of the world’s fauna being expected to disappear in the next 50 years. Nevertheless, it has been estimated that the global population of animals in zoos encompasses 12,000 – 15,000 species, and we anticipate that every effort will be made to preserve these species for as long as possible, minimizing inbreeding effects and providing the best welfare standards available. Even if the reproductive biology

community cannot solve the global biodiversity crisis for all wild species, we should do our best to maintain important captive populations.

Reproductive biology in this context is much more than the development of techniques for helping with too little or too much breeding. While some of the relevant techniques are

useful for individual species that society might target for a variety of reasons, whether nationalistic, cultural or practical, technical developments have to be backed up by thorough biological understanding of the background behind the problems.