

Medicine Of Australian Mammals

A current and cutting-edge reference, *Current Therapy in Avian Medicine and Surgery* takes the popular *Current Therapy* approach in providing succinct and clear information pertinent to the medical care of avian species. Most chapters include an up-to-date delivery of the current state of knowledge on their subject material, and provide practical approaches and thought processes applicable to diagnosis and therapy where appropriate. Information is always easy to find, with topics including the latest advances in internal medicine; behavioral medicine; anesthesia, analgesia, and surgery. Sections dedicated to welfare, conservation, and practice risk management explore important, but less commonly discussed aspects of avian practice; and the pattern recognition portion of the text offers readers a view of what companion bird conditions are likely to be seen in practice in different parts of the world. Written by a team of highly regarded contributors from around the world, this text helps readers, regardless of location and current knowledge, develop and augment skills in the medical and surgical care of avian species. The *Current Therapy* format provides current, up-to-date, succinct and clear information pertinent to the medical and surgical care of avian species. Coverage of clinically significant topics includes current veterinary scientific literature and hot topics relating to today's avian medicine and surgery. Coverage of a wide variety of bird species includes psittacines, pigeons, raptors, ratites, waterfowl, gallinaceous birds, and less common species. More than 800 full-color images show avian disease, management strategies and thought processes, and aid in formulating guidelines to care. World-renowned, expert contributors provide cutting-edge information, offering authoritative, accurate, and sometimes controversial opinions in many areas of study. Summary tables simplify the lookup of key facts and treatment guidelines. References in each chapter facilitate further reading and research on specific topics.

The implementation of the Brucellosis and Tuberculosis Eradication Campaign has been one of the most significant animal health achievements in the history of Australia and worldwide. The unprecedented technical and operational complexity of the campaign presented an enormous challenge to cattle producers, veterinarians, research scientists, field staff and administrators over the 25 years of the project. *Beating the Odds in a Big Country* captures the dynamism of the campaign and records the very real contribution in cash and kind made by the many producers whose herds were subject to eradication programs.

This book focuses on central themes related to the conservation of bats. It details their response to land-use change and management practices, intensified urbanization and roost disturbance and loss. Increasing interactions between humans and bats as a result of hunting, disease relationships, occupation of human dwellings, and conflict over fruit crops are explored in depth. Finally, contributors highlight the roles that taxonomy, conservation networks and conservation psychology have to play in conserving this imperilled but vital taxon. With over 1300 species, bats are the second largest order of mammals, yet as the Anthropocene dawns, bat populations around the world are in decline. Greater understanding of the anthropogenic drivers of this decline and exploration of possible mitigation measures are urgently needed if we are to retain global bat diversity in the coming decades. This book brings together teams of international experts to provide a global review of current understanding and recommend directions for future research and mitigation. *Haematology of Australian Mammals* is a valuable guide to collecting and analysing the blood of Australian mammals for haematological studies and diagnosis and monitoring of disease. It outlines general principles for selecting sites for blood collection and for handling and analysing samples to achieve quality results. Chapters then describe the morphology and function of haematological cells, with reference to the known characteristics of Australian mammals in health and the changes that may be encountered in response to common diseases. Haemoparasites that have been encountered in Australian mammals are discussed next, along with comments on their pathogenicity. Lastly, haematological values from previously published studies are compiled into species-specific tables, providing a convenient reference to compare to the results of clinical cases. Written descriptions and colour photomicrographs of haematological cells from more than 100 species aid the identification of cells and the detection of abnormalities. Information is provided throughout for representative species from all the major groups of native Australian mammals including monotremes, polyprotodont marsupials, diprotodont marsupials, rats and mice, bats and marine mammals.

Pathology of Australian Native Wildlife brings together in one volume available information on the pathology of Australian native vertebrate wildlife, excluding fish. It provides rapid access to documented information on diseases in Australian wildlife, domiciled either in Australia or overseas. The book comprises 45 chapters, each detailing pathological changes caused by specific pathogens including viruses, bacteria, fungi, protozoa, helminths and ectoparasites, and other injurious agents and conditions such as toxins and neoplasia affecting terrestrial and marine mammals, birds, reptiles and amphibians. Although the aim is to describe morphological (gross and microscopic) changes, the author also indicates history and clinical signs, thus providing guidance as to which lesions should be specifically searched for, and what ancillary testing might be needed to confirm a diagnosis. Illustrated throughout with colour photographs, this will be the essential reference for veterinary pathologists and clinicians, as well as wildlife researchers, zoos, wildlife parks, environmentalists, conservationists and students. Awarded a 2010 Whitley Certificate of Commendation for Zoological Resource.

A comprehensive guide to identifying all 379 species of mammals known in Australia. Provides concise and accurate details of the appearance, diagnostic features, distribution of habitat and key behavioural characteristics of all mammals known to have occurred in Australia or its waters since European settlement.

Peering into every biological facet of the lives of these long-neglected mammals, the volume includes; introductory chapters explaining the paleontological and biogeographic context for opossum evolution; an overview of the extant fauna, which includes over 100 species in 18 genera ; a section devoted to opossum phenotypes: morphology,

physiology, and behavior; detailed information on opossum natural history, including habitats, diets, predators, and parasites; in-depth and novel interpretations of opossums' adaptive radiation in a phylogenetic context. Intended for undergraduate biology majors, graduate students, and research professionals, this coherent and original portrait of opossums will be of particular interest to mammalogists, evolutionary biologists, and Neotropical field biologists as well as biomedical researchers working with *Monodelphis domestica* as a model organism.

"A 22-volume, highly illustrated, A-Z general encyclopedia for all ages, featuring sections on how to use World Book, other research aids, pronunciation key, a student guide to better writing, speaking, and research skills, and comprehensive index"--

This provides veterinary practitioners and zoologists with descriptions and images of normal radiographic anatomy, which will be valuable in the study of these animals and assist with the diagnosis of injury and disease. A discussion of the importance of radiographic technique, covering restraint and positioning of the animal to obtain diagnostic images, is followed by chapters showing the normal radiographic anatomy of short-beaked echidnas, platypus, macropods, koalas, wombats, dasyurids, possums and gliders, bandicoots and the bilby, and bats. Each chapter includes a detailed description of anatomy relevant to radiography and multiple images of normal radiographs with outlines and annotations highlighting structures and organs. Radiology of Australian Mammals also includes a chapter on dental radiology, as well as radiographic pathology case studies describing common diseases and injuries that can be readily diagnosed on radiographs, which will assist veterinary practitioners in making diagnoses in their patients. A checklist of the mammals of Australia and its territories and a glossary of abbreviations and terms used for annotation of images complete the volume. Blackwell's Five-Minute Veterinary Consult: Small Mammal brings together a wide range of information on diseases commonly seen in small exotic mammals into a single, accessible resource. With consistency and broad coverage unparalleled by other texts, this new edition adds sections on chinchillas, guinea pigs, and rodents to the existing rabbit and ferret topics to offer complete coverage of these popular, yet less commonly treated, species. Detailed, up-to-date information on the diagnosis and treatment options for all disorders commonly encountered in exotic companion animals is readily accessible, making this a go-to reference for any veterinarian seeing small exotic mammals, regardless of their experience level with these species. Divided into sections by species, topics are organized alphabetically, with a standardized layout that makes it easy to find information. The Second Edition includes access to customizable Client Education Handouts, which can be downloaded and used in the veterinary clinic, on a companion website at www.wiley.com/go/oglesbee. This book is an essential purchase for general practitioners treating exotic companion animals, exotic animal veterinarians, and veterinary students.

Camera trapping in wildlife management and research is a growing global phenomenon. The technology is advancing very quickly, providing unique opportunities for collecting new biological knowledge. In order for fellow camera trap researchers and managers to share their knowledge and experience, the First International Camera Trapping Colloquium in Wildlife Management and Research was held in Sydney, Australia. Camera Trapping brings together papers from a selection of the presentations at the colloquium and provides a benchmark of the international developments and uses of camera traps for monitoring wildlife for research and management. Four major themes are presented: case studies demonstrating camera trapping for monitoring; the constraints and pitfalls of camera technologies; design standards and protocols for camera trapping surveys; and the identification, management and analyses of the myriad images that derive from camera trapping studies. The final chapter provides future directions for research using camera traps. Remarkable photographs are included, showing interesting, enlightening and entertaining images of animals 'doing their thing'.

Jetzt auch in englischer Sprache! Dieser Atlas ist eine bislang einmalige Zusammenstellung aller bildgebenden Verfahren für die drei großen „Heimtierklassen“ Vögel, Kleinsäuger und Reptilien. Separate Sektionen des Buches behandeln die drei Tierklassen, was ein schnelles und spezifisches Nachschlagen von Informationen und Bildreferenzen ermöglicht. Jede Sektion beginnt mit der anatomischen Darstellung der Körperregionen in den einzelnen Diagnostikverfahren. In einem zweiten Teil werden die häufigsten pathologischen Befunde nach den Organsystemen dargestellt und im Vergleich besprochen. Die vergleichende Darstellung ermöglicht die schnelle und richtige Diagnose mit dem adäquaten Diagnostikverfahren. Alle Röntgen-, Ultraschall-, CT- und MRT-Bilder sind eindeutig beschriftet. Mit rund 1500 Abbildungen ist dieser Atlas ein konkurrenzloses diagnostisches Archiv für die Heimtierpraxis.

The management of wild rabbits is a vexing problem worldwide. In countries such as Australia and New Zealand, wild rabbits are regarded as serious pests to agriculture and the environment, while in many European countries they are considered an important hunting resource, and are a cornerstone species in Mediterranean ecosystems, modifying habitats and supporting important predator populations such as the Iberian lynx. The introduction of two viral diseases, myxomatosis and rabbit haemorrhagic disease, as biological control agents in Australia has been met favourably, yet their spread in southern Europe threatens natural rabbit populations. Despite this, scientists with very different goals still work together with a common interest in understanding rabbit biology and epidemiology. Australia's War Against Rabbits uses rabbit haemorrhagic disease as an important case study in understanding how animal populations adapt to diseases, caused in this case by an RNA virus. Looking at rabbit haemorrhagic disease (RHD) in an ecological framework enables insights into both virus and rabbit biology that are relevant for understanding other emerging diseases of importance to humans. This book provides up-to-date information on recent advances in areas ranging from virus structure and disease mechanics through to the sociological implications of using biological control agents and the benefits to the economy and biodiversity. It is a compelling read for wildlife disease researchers, wildlife managers, rabbit biologists, people working in the public health and education sectors, and landholders and farmers with experience or interest in RHD.

Veterinarians increasingly encounter wildlife casualties in practice and have a duty of care for the welfare of the animals.

This comprehensive and easy-to-use self assessment book contains some 208 clinical cases with 325 illustrations. It has been compiled by authors with a wide range of experience and expertise in this area. Common conditions seen in Australia are covered. This book provides a strategic assessment of the vulnerability of Australia's biodiversity (primarily terrestrial) to climate change and suggests ways that policy and management can deal with the threats to biodiversity associated with climate change. It begins with a long-time perspective on the evolution of Australia's biota—why Australia is so species-rich, why its biodiversity is unique, and why the conservation of this biodiversity is so important. It goes on to describe the two centuries of acute change since European settlement—the ultimate drivers of current changes in Australia's biodiversity and the observed changes in diversity at the genetic, species and ecosystem levels. The discussion of climate change itself is organized around the global and the Australian scales, describing the climate changes that have already been observed over the last one to two centuries and outlining the range of projections for Australia for the rest of this century. The ways in which climate change is already affecting Australia's biota and will potentially affect it in future are described in considerable detail. The book then focuses strongly on how to reduce the vulnerability of Australia's biodiversity to climate change, beginning with a description of current management principles, and an analysis of the current set of conservation strategies and tools and the current policy and institutional landscape for biodiversity conservation. Building on a set of fundamental ecological principles, the focus then shifts to ways in which adaptive capacity can be enhanced—modified and new management approaches, innovative governance systems and a much larger resource base. Finally, a set of five key messages and policy directions pulls together the major conclusions arising from the assessment.

A major symposium on macropods (kangaroos, wallabies and rat-kangaroos), sponsored by the Australian Mammal Society, was held in July 2006 at the University of Melbourne. It brought together the many recent advances in the biology of this diverse group of mammals and looked at: structure and function; neglected macropods; population biology; and macropod management. A total of 78 authors have contributed 34 chapters to the book, which concentrates on new developments in macropod biology, including topics such as genomics, landscape ecology, endangered species and fertility control.

Contains data on the habitat, size, distribution and status of every known Australian mammal, together with a colour illustration and brief description of each. A glossary and an index of common and scientific names are included. One of the four-volume series 'The Encyclopedia of Australian Animals' for general readers.

Cricket song is a sound of the Australian bush. Even in cities, the rasping calls signify Australia's remarkable cricket biodiversity. Crickets are notable for a variety of reasons. When their population booms, some of these species become agricultural pests and destroy crop pastures. Some introduced species are of biosecurity concern. Other crickets are important food sources for native birds, reptiles and mammals, as well as domestic pets. Soon you might even put them in your cake or stir-fry, as there is a rapidly growing industry for cricket products for human consumption. Featuring keys, distribution maps, illustrations and detailed colour photographs from CSIRO's Australian National Insect Collection, *A Guide to Crickets of Australia* allows readers to reliably identify all 92 described genera and many species from the Grylloidea (true crickets) and Gryllotalpoidea (mole crickets and ant crickets) superfamilies. Not included are the Raspy Crickets (Gryllacrididae), King Crickets (Anostostomatidae) or the so-called 'Pygmy Mole Crickets' (Caelifera), which despite their common names are not related to true crickets. Natural history enthusiasts and professionals will find this an essential guide.

Current Therapy in Medicine of Australian Mammals provides an update on Australian mammal medicine. Although much of the companion volume, *Medicine of Australian Mammals*, is still relevant and current, there have been significant advances in Australian mammal medicine and surgery since its publication in 2008. The two texts together remain the most comprehensive source of information available in this field. This volume is divided into two sections. The first includes comprehensive chapters on general topics and topics relevant to multiple taxa. Several new topics are presented including: wildlife health in Australia and the important role veterinarians play in Australia's biosecurity systems; medical aspects of native mammal reintroductions and translocations; disease risk analysis; wildlife rehabilitation practices in Australia with an emphasis on welfare of animals undergoing rehabilitation; management of overabundant populations; immunology; and stress physiology. The second section provides updates on current knowledge relevant to specific taxa. Several appendices provide useful reference data and information on clinical reference ranges, recommended venipuncture sites, chemical restraint agent doses and regimens, a drug formulary and dental charts. Written by Australian experts, *Current Therapy in Medicine of Australian Mammals* is clinically oriented, with emphasis on practical content with easy-to-use reference material. It is a must-have for veterinarians, students, biologists, zoologists and wildlife carers and other wildlife professionals. This volume also complements, updates and utilises the resources of other books such as *Radiology of Australian Mammals* (Vogelnest and Allan 2015), *Pathology of Australian Native Wildlife* (Ladds 2009), *Haematology of Australian Mammals* (Clark 2004) and *Australian Mammals: Biology and Captive Management* (Jackson 2003), all CSIRO Publishing publications.

Across the world, cats are loved as pets or are kept or tolerated for their role in controlling some animal pests. But cats, both pets and feral, also kill many native animals and this toll can be enormous. Cats have been remarkably successful in Australia, spreading pervasively across the continent and many islands, occurring in all environments, and proving to be adept and adaptable hunters. A large proportion of Australia's distinctive fauna is threatened and recent research highlights the significant role that cats play in the decline and extinction of native species. *Cats in Australia* brings this research together, documenting the extent to which cats have subverted, and are continuing to subvert, Australia's biodiversity. But the book does much more than spotlight the impacts of cats on Australian nature. It describes the origins of cats and their global spread, their long-standing and varying relationship with people, their global impacts and their ecology. It also seeks to describe the challenge of managing cats, and the options available to constrain their impacts.

The author examines hemostasis in animals from all seven major vertebrate classes. Her research provides unique insights into the phylogenetic development of the various phases and components of hemostasis. This monograph is a valuable reference for students, researchers, and teachers of biology, zoology, veterinary science, and human medicine.

Treat the diseases affecting large animals! *Veterinary Medicine*, 11th Edition provides up-to-date information on the diseases of

horses, cattle, sheep, goats, and pigs. Comprehensive coverage includes the principles of clinical examination and making a diagnosis, along with specific therapy recommendations. For easier use, this edition has been divided into two volumes and restructured into a logical, anatomically based approach to disease. From internationally known veterinary experts Peter Constable, Kenneth Hinchcliff, Stanley Done, and Walter Grünberg, this book is the definitive, one-stop reference for farm animal and equine care. Comprehensive coverage includes information essential to any large-animal veterinarian, especially those working with horses, cattle, sheep, goats, or pigs. Coverage of diseases addresses major large-animal diseases of all countries, including foreign animal and emerging diseases. User-friendly format makes it easier to quickly absorb key information. Quick review/synopsis sections make important information on complex diseases easy to find. NEW! Convenient, easy-access format is organized by organ systems, and divides the content into two compact volumes with the same authoritative coverage. Nearly 200 new color photographs and line drawings are included in this edition. NEW full-color design improves navigation, clarifies subject headings, and includes more boxes, tables, and charts for faster reference. New Diseases Primarily Affecting the Reproductive System chapter is added. Updated and expanded chapter on pharmacotherapy lists therapeutic interventions and offers treatment boxes and principles of antibiotic use. Expanded sections on herd health include biosecurity and infection control, and valuable Strength of Evidence boxes. NEW or extensively revised sections include topics such as the Schmallenberg and Bluetongue viral epidemics of ruminants in Europe, Wesselbron disease in cattle, hypokalemia in adult cattle, equine multinodular pulmonary fibrosis, Hendra virus infection, porcine reproductive and respiratory syndrome, torque teno virus, and numerous recently identified congenital and inherited disorders of large animals. Additional content is provided on lameness in cattle and the diseases of cervids.

In her comprehensive and carefully crafted book, Gisela Kaplan demonstrates how intelligent and emotional Australian birds can be. She describes complex behaviours such as grieving, deception, problem solving and the use of tools. Many Australian birds cooperate and defend each other, and exceptional ones go fishing by throwing breadcrumbs in the water, extract poisonous parts from prey and use tools to crack open eggshells and mussels. The author brings together evidence of many such cognitive abilities, suggesting plausible reasons for their appearance in Australian birds. *Bird Minds* is the first attempt to shine a critical and scientific light on the cognitive behaviour of Australian land birds. In this fascinating volume, the author also presents recent changes in our understanding of the avian brain and links these to life histories and longevity. Following on from Gisela's well-received books on the Australian Magpie and the Tawny Frogmouth, as well as two earlier titles on birds, *Bird Minds* contends that the unique and often difficult conditions of Australia's environment have been crucial for the evolution of unusual complexities in avian cognition and behaviour.

Over the past half a century research has revealed that marsupials – far from being 'second class' mammals – have adaptations for particular ways of life quite equal to their placental counterparts. Despite long separate evolution, there are extraordinary similarities in which marsupials have solved the challenges of living in such environments as deserts, alpine snowfields or tropical rainforests. Some can live on grass, some on pollen and others on leaves; some can glide, some can swim and others hop with extraordinary efficiency. In *Life of Marsupials*, one of the world's leading experts explores the biology and evolution of this unusual group – with their extraordinary diversity of forms around the world – in Australia, New Guinea and South America. Joint winner of the 2005 Whitley Medal. Included in Choice Magazine's 2006 Outstanding Academic Titles list.

A detailed, research-informed synthesis of the current issues facing the Australasian biota and the challenges involved in their conservation.

A concise and practical quick reference guide to treating reptiles in first opinion veterinary practice *Reptile Medicine and Surgery in Clinical Practice* is the ideal guide for the busy veterinarian treating reptile cases. Designed as a quick reference guide, but with comprehensive coverage of all the topics needed for first opinion practice, the book presents the principles of reptile medicine and surgery. Richly illustrated chapters cover anatomy, physiology, behaviour, husbandry, reproduction, common diseases and disorders, and much more. Application in a clinical setting is emphasized throughout, including guidance on the physical examination, diagnostic testing and imaging, treatment options, and anaesthetic and surgical techniques. Practical quick-reference guide—ideal for the busy, first-opinion veterinary practitioner Richly illustrated in full colour throughout Edited by a team of highly experienced exotic animal veterinarians Useful reference for those studying for postgraduate certificates in exotic animal medicine With contributions from experts around the globe, *Reptile Medicine and Surgery in Clinical Practice* is a valuable reference offering a balanced international view of herpetological medicine.

This authoritative volume represents a complete and comprehensive guide to the husbandry of Australian marsupials and other mammals. *Australian Mammals: Biology and Captive Management* dedicates a chapter to each group of animals including the platypus, the echidna, carnivorous marsupials, numbats, bandicoots and bilbies, koalas, wombats, possums and gliders, macropods, bats, rodents and the dingo. For each animal group the following information is covered: Biology; Housing; Capture and restraint; Transport; Diet; Breeding; Artificial rearing; and Behaviour and behavioural enrichment. The book provides a complete literature review of all known information on the biology of each group of animals and brings information on their biology in the wild into captive situations. Also, for the first time, it provides practical guidelines for hand-rearing, and has been extensively reviewed by zookeepers and veterinarians to incorporate the most up-to-date information and techniques. *Australian Mammals: Biology and Captive Management* provides practical guidance for zookeepers, veterinarians, zoologists, researchers and students. Winner of the 2004 Whitley Medal. Shortlisted in the Scholarly Reference section of the 2004 Australian Awards for Excellence in Educational Publishing.

Dentistry in Rabbits and Rodents is a practical guide aimed at helping clinicians successfully diagnose and treat dental problems in rabbits and rodents within their own surgeries. With over two-thirds of small mammals presenting with tooth related problems, there is great potential to enhance the treatment offered to the owners of these species. Focusing on innovative diagnostics using normal radiographic machines as well as specific positioning techniques, radiographs are presented with reference lines and detailed annotations. Richly illustrated with high quality photographs, pathological findings are described before selection of appropriate therapy and treatment is discussed. Key features include: Covers

the dental anatomy and physiology of all small mammal species commonly kept as pets. Intraoral radiography and innovative positioning for imaging the guinea pig and chinchilla dentitions are described, enabling the practitioner to visualize each tooth in detail. Once a diagnosis has been reached, selection of different treatments and the advantages and disadvantages of each surgical technique are discussed. Offers helpful directives for approaching and treating dental disease without the need for referral to a specialist or the use of expensive equipment.

In *Medicine of Australian Mammals*, more than 30 experts present the most current information available on the medical management of all taxa of Australian native mammals. This comprehensive text is divided into two parts. The first includes chapters on general topics relevant to the medical management of captive and free-ranging Australian native mammals such as: veterinary considerations for the rescue, treatment, rehabilitation and release of wildlife; veterinary aspects of hand-rearing orphaned marsupials; marine mammal strandings and the role of the veterinarian; and wildlife health investigation and necropsy of Australian mammals. The second part covers the medicine of specific taxa of Australian native mammals. Detailed information on taxonomy, distribution, biology, anatomy, physiology, reproduction, husbandry, nutrition, physical and chemical restraint, clinical pathology, hand-rearing, diseases, zoonoses, therapeutics, reproductive management and surgery is included. This practical, one-source reference is complemented by detailed photographs and illustrations, as well as tables listing reproductive and physiological data, diets, haematology and biochemistry values, and drug formularies. Appendices include a checklist of the mammals of Australia and its territories and a guide to the identification of common parasites of Australian mammals. *Medicine of Australian Mammals* is clinically oriented and is a must-have for veterinary clinicians, no matter how experienced. The book will also be of use to veterinary students, researchers, biologists, zoologists, wildlife carers and other wildlife professionals.

Mammals inhabit every corner of our vast continent, yet the great majority of species are seldom seen. The only clue to their presence might be a footprint left on a muddy track, a scat deposited on a rocky ledge, or bones scattered on a forest floor. In *Tracks, Scats and Other Traces*, Barbara Triggs provides all information needed to identify mammals anywhere in Australia, using only the tracks or other signs they leave behind. Features a new cover design, and covers all Australian states and territories.

How to interpret radiographs of native mammals in order to make informed decisions on diagnosis, prognosis and treatment.

Australia's nature is exceptional, wonderful and important. But much has been lost, and the ongoing existence of many species now hangs by a thread. Against a relentless tide of threats to our biodiversity, many Australians, and government and non-government agencies, have devoted themselves to the challenge of conserving and recovering plant and animal species that now need our help to survive. This dedication has been rewarded with some outstanding and inspiring successes: of extinctions averted, of populations increasing, of communities actively involved in recovery efforts.

Recovering Australian Threatened Species showcases successful conservation stories and identifies approaches and implementation methods that have been most effective in recovering threatened species. These diverse accounts – dealing with threatened plants, invertebrates, fish, reptiles, birds and mammals – show that the conservation of threatened species is achievable: that it can be done and should be done. They collectively serve to inform, guide and inspire other conservation efforts. This is a book of hope and inspiration. It shows that with dedication, knowledge and support, we can retain and restore our marvellous natural heritage, and gift to our descendants a world that is as diverse, healthy and beautiful as that which we have inherited.

With its enticing and colourful design and its fascinating information, this is a book that children will want to pour over—either at home, in the classroom or on a road trip. This book brings together 55 national parks, selected across all Australian states and territories, and over 120 animals. It is divided into seven sections according to habitat (woodlands and grasslands; forests; rainforests; arid zones; mountains; wetlands and waterways; coasts, oceans and islands), each including a number of national parks and a selection of the fish, reptiles, frogs, birds and mammals that inhabit them. At the end of the book is a section on 'little critters'—beetles, spiders, butterflies, grasshoppers, bugs and so on. Each habitat section opens with photographs of the featured national parks and a description of the habitat. Each animal has its own page, which has a stunning colour photograph of the species, a map of its distribution range, its conservation status and scientific information about the species. The information is divided into the following sections: 'Fast Facts' gives you all the vital statistics, such as size, lifespan and number of young; 'Where Does It Live?' tells you where in Australia you can find the species and provides details about its home; 'What's Its Life Like?' tells you a bit about how the animal moves, behaves, eats and has young; and 'Interesting Info' has quirky and fascinating facts. This book features a foreword by the Governor-General of Australia, Sir Peter Cosgrove.

This book introduces readers to the great mammal extinction debate in Australia.

Medical and Veterinary Entomology, Second Edition, has been fully updated and revised to provide the latest information on developments in entomology relating to public health and veterinary importance. Each chapter is structured with the student in mind, organized by the major headings of Taxonomy, Morphology, Life History, Behavior and Ecology, Public Health and Veterinary Importance, and Prevention and Control. This second edition includes separate chapters devoted to each of the taxonomic groups of insects and arachnids of medical or veterinary concern, including spiders, scorpions, mites, and ticks. Internationally recognized editors Mullen and Durden include extensive coverage of both medical and veterinary entomological importance. This book is designed for teaching and research faculty in medical and veterinary schools that provide a course in vector borne diseases and medical entomology; parasitologists, entomologists, and government scientists responsible for oversight and monitoring of insect vector borne diseases; and medical and veterinary school libraries and libraries at institutions with strong programs in entomology. Follows in the tradition of *Herm's Medical and Veterinary Entomology* The latest information on developments in entomology relating to public health and veterinary importance Two separate indexes for enhanced searchability: Taxonomic and Subject New to this edition: Three new chapters Morphological Adaptations of Parasitic Arthropods Forensic Entomology Molecular Tools in Medical and Veterinary Entomology 1700 word glossary Appendix of Arthropod-Related Viruses of Medical-Veterinary Importance Numerous new full-color images, illustrations and maps throughout

Australia's venomous snakes are widely viewed as the world's most deadly and are regarded with cautious curiosity, fascination and, regrettably, fear. *Australia's Dangerous Snakes* examines the biology, natural history, venom properties and bite treatment of medically important venomous marine and terrestrial snakes. It contains comprehensive identification profiles for each species, supported by keys and photographs. In addition to their medical importance, the environmental roles of these snakes and the threats that are causing the decline of

many of these reptiles are discussed. Drawing on the authors' experience in the fields of herpetology, toxinology and clinical medicine, this book stimulates respect and admiration and dispels fear of Australia's fascinating snakes. Australia's Dangerous Snakes will provide hours of rewarding reading and valuable information for anyone interested in Australia's unique wildlife and natural history, and will be an essential reference for herpetologists, toxinologists, physicians, zoo personnel and private snake collectors.

This thorough revision of the classic Encyclopedia of Marine Mammals brings this authoritative book right up-to-date. Articles describe every species in detail, based on the very latest taxonomy, and a host of biological, ecological and sociological aspects relating to marine mammals. The latest information on the biology, ecology, anatomy, behavior and interactions with man is provided by a cast of expert authors – all presented in such detail and clarity to support both marine mammal specialists and the serious naturalist. Fully referenced throughout and with a fresh selection of the best color photographs available, the long-awaited second edition remains at the forefront as the go-to reference on marine mammals. More than 20% NEW MATERIAL includes articles on Climate Change, Pacific White-sided Dolphins, Sociobiology, Habitat Use, Feeding Morphology and more Over 260 articles on the individual species with topics ranging from anatomy and behavior, to conservation, exploitation and the impact of global climate change on marine mammals New color illustrations show every species and document topical articles FROM THE FIRST EDITION "This book is so good...a bargain, full of riches...packed with fascinating up to date information. I recommend it unreservedly it to individuals, students, and researchers, as well as libraries." --Richard M. Laws, MARINE MAMMALS SCIENCE "...establishes a solid and satisfying foundation for current study and future exploration" --Ronald J. Shusterman, SCIENCE

This easy-to-use identification guide to the 280 reptile species most commonly seen in Australia is perfect for resident and visitor alike. High quality photographs from Australia's top nature photographers are accompanied by detailed species descriptions, which include nomenclature, size, distribution, habits and habitat. The user-friendly introduction covers the threats to reptiles, types of habitat, anatomy of reptiles, and details of orders and families. Also included is an all-important checklist of all of the reptiles of Australia encompassing, for each species, its common and scientific name, and its global IUCN status.

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