

The African Wild Dog

Behavior, Ecology,
and Conservation


SCOTT CREEL AND
NANCY MARUSHA CREEL



MONOGRAPHS IN BEHAVIOR AND ECOLOGY

The African Wild Dog Behavior Ecology And

Regina H. Macedo



The African Wild Dog Behavior Ecology And:

The African Wild Dog Scott Creel, Nancy Marusha Creel, 2019-12-31 With only 5 000 surviving the African wild dog *Lycaon pictus* is one of the world's most endangered large carnivores and one of the most remarkable. This comprehensive portrait of wild dogs incorporates previously scattered information with important new findings from a six year study in Tanzania's Selous Game Reserve Africa's largest protected area. The book emphasizes ecology concentrating on why wild dogs fare poorly in protected areas that maintain healthy populations of lions hyenas or other top carnivores. In addition to conservation issues it covers fascinating aspects of wild dog behavior and social evolution. The Creels use demographic behavioral endocrine and genetic approaches to examine how and why nonbreeding pack mates help breeding pairs raise their litters. They also present the largest data set ever collected on mammalian predator-prey interactions and the evolution of cooperative hunting allowing them to account for wild dogs' prowess as hunters. By using a large sample size and sophisticated analytical tools the authors step well beyond previous research. Their results include some surprises that will cause even specialists to rethink certain propositions such as the idea that wild dogs are unusually vulnerable to infectious disease. Several findings apply broadly to the management of other protected areas. Of clear appeal to ecologists studying predation and cooperation in any population this book collects and expands a cache of information useful to anyone studying conservation as well as to amateurs intrigued by the once maligned but extraordinary wild dog. **The African Wild Dog** J. D. Murdoch, M. S. Becker, 2002 Discusses the African wild dog including its physical characteristics habitat and behavior.

Carnivore Behavior, Ecology, and Evolution John L. Gittleman, 2019-05-15 The mammalian order Carnivora is characterized by an incredible range of morphological ecological and behavioral variation. Carnivores can be as small as the 100 gram least weasel or as large as the 800 kilogram polar bear. Their reproductive rate can vary from one offspring every five years as with some black bears to three litters a year as with the dwarf mongoose. Group sizes can be traced along a wide continuum from the solitary ermine to the monogamous golden jackal to the large extended packs of as many as 80 spotted hyenas. Until recently the general habits of most wild carnivore species were inadequately understood. In the last decade however improved technologies including the use of radiotelemetry and night vision scopes have led to many important discoveries. This book is at once a critical summary and an evaluation of current research on carnivores. A worthy successor to R. F. Ewer's monumental volume *The Carnivores* Cornell University Press it is the work of 30 leading carnivore biologists who here assemble comparative data on the basic anatomical behavioral ecological physiological reproductive and evolutionary characteristics of this group. After a general introduction to the Carnivora the volume is divided in three parts each of which begins with a brief introduction outlining its main themes. Part I Behavior covers acoustic and olfactory communication behavioral development behavioral ecology of canids and hyaenids modes of solitary living and group living. In Part II Ecology topics include feeding ecology of the giant panda and Asiatic black bear adaptations for aquatic living.

ecological constraints on predation in felids consequences of small size in mustelids rate of basal metabolism and food habits and reproductive output Part III Evolution deals with the morphological approaches to phylogeny and the fossil record An appendix presents a complete classification of the Carnivora including topics of continuing controversy Highlighting recent developments in the study of the Carnivora and areas for further research this broad synthesis will be of great value of students and researchers in animal behavior behavioral ecology wildlife ecology mammalogy paleontology systematics and evolution theory It will also encourage realistic conservation programs to manage rapidly diminishing populations and will elucidate particular features of the carnivores for nonspecialist readers Carnivore Behavior, Ecology, and Evolution ,1989

The Behavior and Ecology of the African Wild Dog (Lycaon Pictus) in the Kruger National Park Allen Reich,1981

Behavioral Ecology of Tropical Animals Regina H. Macedo,2010-11-15 Advances in the Study of Behavior was initiated over 40 years ago to serve the increasing number of scientists engaged in the study of animal behavior That number is still expanding This thematic volume makes another important contribution to the development of the field by bringing together material that aggregates studies conducted on the behavior of tropical animals Advances in the Study of Behavior is now available online at ScienceDirect full text online from volume 30 onward The Behavior and Ecology of the African Wild

Dog (Lycaon Pictus) in the Kruger National Park A. Reich,1984 **Walker's Carnivores of the World** Ronald M. Nowak,2005 Although they are highly intelligent ruthless predators carnivores are increasingly rare From the dwarf mongoose to the polar bear carnivores are at once respected and misunderstood invoking both fear and curiosity in the humans with whom they share their world Ronald M Nowak celebrates these fascinating mammals in Walker s Carnivores of the World This comprehensive guide featuring 225 illustrations covers the world s eight terrestrial families of carnivores Each generic account comprises scientific and common names number and distribution of species physical attributes measurements hunting and social activity reproduction habitat population dynamics longevity and status of threatened species A thought provoking overview by David W Macdonald and Roland W Kays is packed with results of the latest field and laboratory research on topics ranging from evolutionary history to the adaptive value of fur patterns Emphasizing the interplay of social life morphology and predatory behavior it provides an up to date panorama of the world s carnivores

Model Systems in Behavioral Ecology Lee Alan Dugatkin,2019-12-31 A key way that behavioral ecologists develop general theories of animal behavior is by studying one species or a closely related group of species model systems over a long period This book brings together some of the field s most respected researchers to describe why they chose their systems how they integrate theoretical conceptual and empirical work lessons for the practice of the discipline and potential avenues of future research Their model systems encompass a wide range of animals and behavioral issues from dung flies to sticklebacks dolphins to African wild dogs from foraging to aggression territoriality to reproductive suppression Model Systems in Behavioral Ecology offers an unprecedented systems focus and revealing insights into the confluence of personal

curiosity and scientific inquiry It will be an invaluable text for behavioral ecology courses and a helpful overview and a preview of coming developments for advanced researchers The twenty five chapters are divided into four sections insects and arachnids amphibians and reptiles birds and mammals In addition to the editor the contributors include Geoff A Parker Thomas D Seeley Naomi Pierce Kern Reeve Gerald S Wilkinson Bert H Ildobler and Flavio Roces George W Uetz Michael J Ryan and Gil Rosenthal Judy Stamps H Carl Gerhardt Barry Sinervo Robert Warner Manfred Milinski David F Westneat Alan C Kamil and Alan B Bond Paul Sherman Jerram L Brown Anders Pape Møller Marc Bekoff Richard C Connor Joan B Silk Christopher Boesch Scott Creel A H Harcourt and Tim Caro and M J Kelly

Conserving Africa's Mega-Diversity in the Anthropocene Joris P. G. M. Cromsigt, Sally Archibald, Norman Owen-Smith, 2017-03-02 This book synthesises key insights from a century of ecological research and monitoring efforts in one of Africa's oldest protected areas

Social Strategies of Carnivorous Mammalian Predators Mridula Srinivasan, Bernd Würsig, 2023-09-18 The book offers a comparative look at the social strategies of five carnivorous social predators four terrestrial and one marine that make them successful hunting units The focus is on mammalian predators hunting largely mammalian prey Each chapter with separate authors devoted to a particular species explores the versatile hunting techniques and social dynamics of these top predators as they attempt to survive defend and reproduce in challenging habitats Each chapter also delves into how the social fabric and ecology of each species influence their ability to deal with natural and man made threats and shifting baselines

Carnivore Conservation John L. Gittleman, 2001-06-28 Carnivores are the focus of intense attention and resources in conservation biology It is often argued that because carnivores are at the top of the food chain if they are protected then other taxa will also be afforded adequate protection Carnivores are also charismatic and compete with humans for dwindling space and environmental resources In the past 10 years theoretical and empirical studies on carnivores have developed very quickly This volume reviews and summarises the current state of the field describes limitations and opportunities for carnivore conservation and offers a conceptual framework for future research and applied management As such it will be of interest to students and researchers of conservation biology mammalogy animal behaviour ecology and evolution

Long-Term Field Studies of Primates Peter M. Kappeler, David P. Watts, 2012-01-07 Some primate field studies have been on going for decades covering significant portions of individual life cycles or even multiple generations In this volume leading field workers report on the history and infrastructure of their projects in Madagascar Africa Asia and South America More importantly they provide summaries of their long term research efforts on primate behaviour ecology and life history highlighting insights that were only possible because of the long term nature of the study The chapters of this volume collectively outline the many scientific reasons for studying primate behaviour ecology and demography over multiple generations This kind of research is typically necessitated by the relatively slow life histories of primates Moreover a complete understanding of social organization and behaviour factors often influenced by rare but important events requires long term data collection Finally long term field

projects are also becoming increasingly important foci of local conservation activities The Social Dog Juliane Kaminski, Sarah Marshall-Pescini, 2014-05-20 Dogs have become the subject of increasing scientific study over the past two decades chiefly due to their development of specialized social skills seemingly a result of selection pressures during domestication to help them adapt to the human environment The Social Dog Behaviour and Cognition includes chapters from leading researchers in the fields of social cognition and behavior vocalization evolution and more focusing on topics including dog dog and dog human interaction bonding with humans social behavior and learning and more Dogs are being studied in comparative cognitive sciences as well as genetics ethology and many more areas As the number of published studies increases this book aims to give the reader an overview of the state of the art on dog research with an emphasis on social behavior and socio cognitive skills It represents a valuable resource for students veterinarians dog specialists or anyone who wants deeper knowledge of his or her canine companion Reviews the state of the art of research on dog social interactions and cognition Includes topics on dog dog as well as dog human interactions Features contributions from leading experts in the field which examine current studies while highlighting the potential for future research *Conservation of Wildlife Populations* L. Scott Mills, 2012-12-17 Population ecology has matured to a sophisticated science with astonishing potential for contributing solutions to wildlife conservation and management challenges And yet much of the applied power of wildlife population ecology remains untapped because its broad sweep across disparate subfields has been isolated in specialized texts In this book L Scott Mills covers the full spectrum of applied wildlife population ecology including genomic tools for non invasive genetic sampling predation population projections climate change and invasive species harvest modeling viability analysis focal species concepts and analyses of connectivity in fragmented landscapes With a readable style analytical rigor and hundreds of examples drawn from around the world Conservation of Wildlife Populations 2nd ed provides the conceptual basis for applying population ecology to wildlife conservation decision making Although targeting primarily undergraduates and beginning graduate students with some basic training in basic ecology and statistics in majors that could include wildlife biology conservation biology ecology environmental studies and biology the book will also be useful for practitioners in the field who want to find in one place and with plenty of applied examples the latest advances in the genetic and demographic aspects of population ecology Additional resources for this book can be found at www.wiley.com/go/mills_wildlifepopulations

Mammals of Africa Jonathan Kingdon, David Happold, Thomas Butynski, Michael Hoffmann, Meredith Happold, Jan Kalina, 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 **The**

Social Gene Anthony Caswell,2016-10-06 The hypothesis of animal interactions known as kin selection or the selfish gene proposes that only blood relatives are capable of forming herds and engaging in unselfish acts with each other While this may satisfy the expectations of many evolutionists the animals themselves frequently do not adhere to this restriction There are several examples of animals in the wild assisting unrelated individuals at a cost to themselves and many also form colonies that contain unrelated individuals In this monograph the author proposes a modification to the theory that renders the restriction of kin selection altogether unnecessary Instead he argues that the genes of animals that control social interactions do not give instructions at all but nudge the animals through combinations of rewards and penalties towards their best long term interests in accord with the principles of Darwinian evolution This exposition has been built on the many excellent published observations and experiments of researchers in the field and in the laboratory It accounts for all general types of sociality of animals and humans including passive sociality social exchange sexual segregation dispersal adoption mutual support cooperation altruism and human homosexuality *Reintroduction of Top-Order Predators* Matt W.

Hayward,Michael Somers,2009-04-13 Large predators are among the most threatened species on the planet and ways of conserving them in the face of increasing human populations and associated resource requirements are becoming critical This book draws upon the experiences of some of the world s foremost large carnivore specialists to discuss the numerous issues associated reintroducing large predators back into their natural habitats Reviews of internationally renowned reintroduction programs for wolves European lynx and African wild dog reveal the successes and failures of these actions Experts on tigers snow leopards and jaguars contend that there are other conservation options of higher priority that will ensure their security in the long term Other experts discuss more theoretical aspects such as whether we know enough about these species to be able to predict their behavioural or ecological response to the reintroduction process Social economic political and genetic considerations are also addressed **Integrating Predation Risk Across Scales: From Neurons to**

Ecosystems and Milliseconds to Generations Jacqueline Jeannette Blundell,Evan Preisser,2020-06-04 Mammal Societies Tim Clutton-Brock,2016-05-31 The book aims to integrate our understanding of mammalian societies into a novel synthesis that is relevant to behavioural ecologists ecologists and anthropologists It adopts a coherent structure that deals

initially with the characteristics and strategies of females before covering those of males cooperative societies and hominid societies It reviews our current understanding both of the structure of societies and of the strategies of individuals it combines coverage of relevant areas of theory with coverage of interspecific comparisons intraspecific comparisons and experiments it explores both evolutionary causes of different traits and their ecological consequences and it integrates research on different groups of mammals with research on primates and humans and attempts to put research on human societies into a broader perspective

The African Wild Dog Behavior Ecology And: Bestsellers in 2023 The year 2023 has witnessed a remarkable surge in literary brilliance, with numerous compelling novels captivating the hearts of readers worldwide. Lets delve into the realm of bestselling books, exploring the fascinating narratives that have captivated audiences this year. The Must-Read : Colleen Hoover's "It Ends with Us" This heartfelt tale of love, loss, and resilience has gripped readers with its raw and emotional exploration of domestic abuse. Hoover expertly weaves a story of hope and healing, reminding us that even in the darkest of times, the human spirit can prevail. Uncover the Best : Taylor Jenkins Reids "The Seven Husbands of Evelyn Hugo" This spellbinding historical fiction novel unravels the life of Evelyn Hugo, a Hollywood icon who defies expectations and societal norms to pursue her dreams. Reids absorbing storytelling and compelling characters transport readers to a bygone era, immersing them in a world of glamour, ambition, and self-discovery. Discover the Magic : Delia Owens "Where the Crawdads Sing" This mesmerizing coming-of-age story follows Kya Clark, a young woman who grows up alone in the marshes of North Carolina. Owens weaves a tale of resilience, survival, and the transformative power of nature, entrancing readers with its evocative prose and mesmerizing setting. These bestselling novels represent just a fraction of the literary treasures that have emerged in 2023. Whether you seek tales of romance, adventure, or personal growth, the world of literature offers an abundance of compelling stories waiting to be discovered. The novel begins with Richard Papen, a bright but troubled young man, arriving at Hampden College. Richard is immediately drawn to the group of students who call themselves the Classics Club. The club is led by Henry Winter, a brilliant and charismatic young man. Henry is obsessed with Greek mythology and philosophy, and he quickly draws Richard into his world. The other members of the Classics Club are equally as fascinating. Bunny Corcoran is a wealthy and spoiled young man who is always looking for a good time. Charles Tavis is a quiet and reserved young man who is deeply in love with Henry. Camilla Macaulay is a beautiful and intelligent young woman who is drawn to the power and danger of the Classics Club. The students are all deeply in love with Morrow, and they are willing to do anything to please him. Morrow is a complex and mysterious figure, and he seems to be manipulating the students for his own purposes. As the students become more involved with Morrow, they begin to commit increasingly dangerous acts. The Secret History is a masterful and thrilling novel that will keep you wondering until the very end. The novel is a warning tale about the dangers of obsession and the power of evil.

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