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BUILDING THE EUROPEAN CAPACITY IN OPERATIONAL OCEANOGRAPHY

PROCEEDINGS 3RD EUROGOOS CONFERENCE

Gulf Professional Publishing Full text e-book available as part of the Elsevier ScienceDirect Earth and Planetary Sciences subject collection.

ARGOS TECHNICAL REFERENCE MANUAL

THE USE OF SATELLITE TELEMETRY FOR THE STUDY OF THE MOVEMENT ECOLOGY OF RAPTORS

Universidad de Alicante Los autores plasman en este libro su experiencia de más de diez años en el seguimiento de rapaces por satélite, para ofrecer al lector desde como capturar las rapaces y equiparlas con un emisor satelital, hasta detallar los diversos objetivos que se pueden conseguir mediante esta técnica. Mediante ejemplos se especifica como realizar estudios sobre comportamiento, selección de hábitat, dispersión juvenil, rutas, efectos de las condiciones atmosféricas y fenología de la migración, aplicaciones en estudios de impacto ambiental y conservación. Este libro está ilustrado con profusión de mapas, fotos y tablas.

CRC HANDBOOK OF MARINE MAMMAL MEDICINE

CRC Press AAP Prose Award Finalist 2018/19 Key features: Covers all aspects of marine mammal veterinary practice Written by internationally acknowledged experts Adds new chapters on Ophthalmology, Dentistry, Ethics, Oil Spill Response, Health Assessments, Whale Entanglement Response, Dive Response, and Biotoxins Richly illustrated in color throughout the new edition including updated anatomical drawings and extensive photographs of ocular lesions Provides guidance to websites that regularly present updated information and images pertinent to current marine mammal medicine such as imaging and stranding network contacts Discusses ethics and animal welfare For three decades, this book has been acknowledged as the most respected scientific reference specifically devoted to marine mammal medicine and health. Written by approximately 100 contributors who are recognized globally as leaders in their respective fields, the CRC Handbook of Marine Mammal Medicine, Third Edition continues to serve as the essential guide for all practitioners involved with marine mammals including veterinarians, technicians, biological researchers, students, managers, keepers, curators, and trainers. The 45 chapters provide essential information for the practitioner on pathology, infectious diseases, medical treatment, anesthesia, surgery, husbandry, health assessment, species-specific medicine, medically pertinent anatomy and physiology, and global health concerns such as strandings, oil spills, and entanglements of marine mammals. The book guides the reader through the veterinary care of cetaceans, pinnipeds, manatees, sea otters, and polar bears. In addition to summaries of current knowledge, chapters provide information on those digital resources and websites which present the latest information as it emerges in the field. The CRC Handbook of Marine Mammal Medicine, Third Edition gives a call to action for scientists to experiment with new endeavors to engage and inspire current and future generations to care for marine mammals and the marine environment, and work together to find solutions. As the most trusted reference for marine mammal conservation medicine and for marine mammal medical facilities around the world, this book needs to be in your library.

THE BIOLOGY AND CONSERVATION OF AUSTRALASIAN BATS

Royal Zoological Society of New South Wales This book, the Biology and Conservation of Australasian Bats, follows from the successful 3-day forum of the same name held in April 2007 at the Australian Museum. The forum was organised jointly by the Royal Zoological Society of NSW and the Australasian Bat Society.

GOOGLE EARTH AND VIRTUAL VISUALIZATIONS IN GEOSCIENCE EDUCATION AND RESEARCH

Geological Society of America

CONSERVATION TECHNOLOGY

Oxford University Press The global loss of biodiversity is occurring at an unprecedented pace. Despite the considerable effort devoted to conservation science and management, we still lack even the most basic data on the distribution and density of the majority of plant and animal species, which in turn hampers our efforts to study changes over time. In addition, we often lack behavioural data from the very animals most influenced by environmental changes; this is largely due to the financial and logistical limitations associated with gathering scientific data on species that are cryptic, widely distributed, range over large areas, or negatively influenced by human presence. To overcome these limitations, conservationists are increasingly employing technology to facilitate such data collection. Innovative solutions have been driven by dramatic advances in the conservation-technology interface. The use of camera traps, acoustic sensors, satellite data, drones, and computer algorithms to analyse the large datasets collected are all becoming increasingly widespread. Although specialist books are available on some of these individual technologies, this is the first comprehensive text to describe the breadth of available technology for conservation and to evaluate its varied applications, bringing together a team of international experts using a diverse range of approaches. Conservation Technology is suitable for graduate level students, professional researchers, practitioners and field managers in the fields of ecology and conservation biology.

PROCEEDINGS OF THE ELEVENTH AMERICAN WOODCOCK SYMPOSIUM

University of Minnesota Libraries Publishing The Proceedings of the Eleventh American Woodcock Symposium held at the Ralph A. McMullan Center in Roscommon, Michigan on 24–27 October 2017

INTELLIGENT DATA ANALYSIS: DEVELOPING NEW METHODOLOGIES THROUGH PATTERN DISCOVERY AND RECOVERY

DEVELOPING NEW METHODOLOGIES THROUGH PATTERN DISCOVERY AND RECOVERY

IGI Global Pattern Recognition has a long history of applications to data analysis in business, military and social economic activities. While the aim of pattern recognition is to discover the pattern of a data set, the size of the data set is closely related to the methodology one adopts for analysis. Intelligent Data Analysis: Developing New Methodologies Through Pattern Discovery and Recovery tackles those data sets and covers a variety of issues in relation to intelligent data analysis so that patterns from frequent or rare events in spatial or temporal spaces can be revealed. This book brings together current research, results, problems, and applications from both theoretical and practical approaches.

GLOBAL PERSPECTIVES ON THE BIOLOGY AND LIFE HISTORY OF THE WHITE SHARK

CRC Press Inspired by the International White Shark Symposium in 2010, *Global Perspectives on the Biology and Life History of the White Shark* incorporates the most important contemporary research findings into a single peer-reviewed book. This beautifully illustrated reference represents a historic change in the context of White Shark (*Carcharodon carcharias*) research. Once considered one of the most poorly understood and difficult sharks to study, this timely book recognizes a new sophisticated focus on the White Shark, raising its status from obscurity to enlightenment. The *Global Perspectives on the Biology and Life History of the White Shark* celebrates the White Shark as the most studied shark in the sea. Within the chapters one can find new insights into a vast range of topics, such as behavior, physiology, migration patterns, habitat preferences, daily activity patterns, molecular genetics, reproductive biology and new research methods. The book also delves into population monitoring and policy options for managers and researchers.

MARINE MAMMAL ECOLOGY AND CONSERVATION

A HANDBOOK OF TECHNIQUES

Oxford University Press Marine mammals command a high level of public attention, reflected in specific legislation for their protection and management in many countries. They also present particular challenges to ecologists and conservation biologists. They are mostly difficult to observe, they occupy an environment that is vast in its three dimensional extent, there are often perceived conflicts between marine mammals and people, and furthermore several species are now close to extinction. Marine mammals have some intriguing features in their biology - the ability to dive to crushing depths, to perform breath-hold dives that defy our current understanding of mammalian physiology, and many have an ability to hunt down prey using sophisticated sonar that we are only just beginning to understand. Many species also have complex social structures. We still have much to learn about these extraordinary animals so a comprehensive and authoritative overview of current methodology is now timely. The intention of this book is both to summarize the state-of-the-art and to encourage innovation and further progress in this research field.

ECOLOGY AND BEHAVIOUR OF FREE-RANGING ANIMALS STUDIED BY ADVANCED DATA-LOGGING AND TRACKING TECHNIQUES

Frontiers Media SA

BIOLOGY AND CONSERVATION OF MARTENS, SABLES, AND FISHERS

A NEW SYNTHESIS

Cornell University Press Mammals in the genus *Martes* are mid-sized carnivores of great importance to forest ecosystems. This book, the successor to *Martens, Sables, and Fishers: Biology and Conservation*, provides a scientific basis for management and conservation efforts designed to maintain or enhance the populations and habitats of *Martes* species throughout the world. The twenty synthesis chapters contained in this book bring together the perspectives and expertise of 63 scientists from twelve countries, and are organized by the five key themes of evolution and biogeography, population biology and management, habitat ecology and management, research techniques, and conservation. Recent developments in research technologies such as modeling and genetics, biological knowledge about pathogens and parasites, and concerns about the potential effects of global warming on the distribution and status of *Martes* populations make new syntheses of these areas especially timely. The volume provides an overview of what is known while clarifying initiatives for future research and conservation priorities, and will be of interest to mammalogists, resource managers, applied ecologists, and conservation biologists.

MIGRATION ECOLOGY OF MARINE FISHES

JHU Press A synthetic treatment of all marine fish taxa (teleosts and elasmobranchs), this book employs explanatory frameworks from avian and systems ecology while arguing that migrations are emergent phenomena, structured through schooling, phenotypic plasticity, and other collective agencies. The book provides overviews of the following concepts: ; The comparative movement ecology of fishes and birds ; The alignment of mating systems with larval dispersal ; Schooling and migration as adaptations to marine food webs ; Natal homing ; Connectivity in populations and metapopulations ; The contribution of migration ecology to population resilience

THE MANUAL OF DATES: A DICTIONARY OF REFERENCE TO THE MOST IMPORTANT EVENTS IN THE HISTORY OF MANKIND

TO BE FOUND IN AUTHENTIC RECORDS

WOCE SURFACE VELOCITY PROGRAMME BAROMETER DRIFTER CONSTRUCTION MANUAL

DEMOCRATIZATION OF ARTIFICIAL INTELLIGENCE FOR THE FUTURE OF HUMANITY

CRC Press Artificial intelligence (AI) stands out as a transformational technology of the digital age. Its practical applications are growing very rapidly. One of the chief reasons AI applications are attaining prominence, is in its design to learn continuously, from real-world use and experience, and its capability to improve its performance. It is no wonder that the applications of AI span from complex high-technology equipment manufacturing to personalized exclusive recommendations to end-users. Many deployments of AI software, given its continuous learning need, require computation platforms that are resource intense, and have sustained connectivity and perpetual power through central electrical grid. In order to harvest the benefits of AI revolution to all of humanity, traditional AI software development paradigms must be upgraded to function effectively in environments that have resource constraints, small form factor computational devices with limited power, devices with intermittent or no connectivity and/or powered by non-perpetual source or battery power. The aim this book is to prepare current and future software engineering teams with the skills and tools to fully utilize AI capabilities in resource-constrained devices. The book introduces essential AI concepts from the perspectives of full-scale software development with emphasis on creating niche Blue Ocean small form factored computational environment products.

THE MANUAL OF DATES A DICTIONARY OF REFERENCE TO ALL THE MOST IMPORTANT EVENTS IN THE HISTORY OF MANKIND TO BE FOUND IN AUTHENTIC RECORDS BY GEORGE H. TOWNSEND

WHALE SHARKS

BIOLOGY, ECOLOGY, AND CONSERVATION

CRC Press Whale sharks are the largest of all fishes, fascinating for comparative studies of all manner of biological fields, including functional anatomy, growth, metabolism, movement ecology, behavior and physiology. These gentle ocean giants have captured the interest of scientists and the imagination of the public, yet their future is uncertain. The conservation status of whale sharks was upgraded to Endangered on the IUCN Red List and the species faces a range of intense threats from human activities. Can these iconic living animals, who have survived for millions of years, survive us? Written by the world's leading experts in whale shark biology, ecology, and conservation, *Whale Sharks: Biology, Ecology and Conservation* is the first definitive volume about the world's biggest fish. Chapters include discussions of satellite-linked tags, used to track whale shark movements; genetic sequencing, to examine evolutionary adaptations; even the use of underwater ultrasound units to investigate the species' reproduction. The editors hope that by collating what is known, they can make it easier for future researchers, conservationists, and resource managers to fill some of the remaining knowledge gaps, and provide the information they need to join the team. As you work your way through this book, we hope that you will develop a sense of awe and marvel at all of our good fortune to share the ocean, and the planet, with this utterly extraordinary species.

A LITTLE LESS ARCTIC

TOP PREDATORS IN THE WORLD'S LARGEST NORTHERN INLAND SEA, HUDSON BAY

Springer Science & Business Media In Arctic Canada, Hudson Bay is a site of great exploration history, aboriginal culture, and a vast marine wilderness supporting large populations of marine mammals and birds. These include some of the most iconic Arctic animals like beluga, narwhal, bowhead whales, and polar bears. Due to the challenges of conducting field research in this region, some of the mysteries of where these animals move, and how they are able to survive in such seemingly inhospitable, ice-choked habitats are just now being unlocked. For example, are polar bears being replaced by killer whales? This new information could not be more salient, as the Hudson Bay Region is undergoing rapid environmental change due to global warming, as well as increased pressures from industrial development interests. A Little Less Arctic brings together some of the world's leading Arctic scientists to present the current state of knowledge on the physical and biological characteristics of Hudson Bay.

MARINE RENEWABLE ENERGY TECHNOLOGY AND ENVIRONMENTAL INTERACTIONS

Springer Science & Business Media It is now widely recognized that there is a need for long-term secure and suitable sustainable forms of energy. Renewable energy from the marine environment, in particular renewable energy from tidal currents, wave and wind, can help achieve a sustainable energy future. Our understanding of environmental impacts and suitable mitigation methods associated with extracting renewable energy from the marine environment is improving all the time and it is essential that we be able to distinguish between natural and anthropocentric drivers and impacts. An overview of current understanding of the environmental implications of marine renewable energy technology is provided.

THE HISTORY AND RANGE EXPANSION OF PEREGRINE FALCONS IN THE THULE AREA, NORTHWEST GREENLAND

Museum Tusulanum Press This book covers the discovery and history of the most northern breeding population of Peregrine Falcons in the world, near Thule Air Base in northwest Greenland (75.9–77.6° N). Although the region was explored by scientific expeditions as early as 1818, Peregrines were not documented in the area until the 1930s. By the early 1990s the population had become well established, with a warming climate enabling Peregrines from further south to expand their breeding range northward. Here Burnham and his co-authors present their comprehensive findings on the biology and ecology of this population based on thirteen years of research from 1993 to 2005.

HANDBOOK OF POSITION LOCATION

THEORY, PRACTICE AND ADVANCES

John Wiley & Sons Radio systems capable of localization have emerging applications in homeland security, law enforcement, emergency response, defense command and control, multi-robot coordination and vehicle-to-vehicle and vehicle-to-pedestrian collision avoidance. In fact, high resolution localization is vital for many applications, including: traffic alert, emergency services, e.g., indoor localization for firefighters, and battlefield command and control. These systems promise to dramatically reduce society's vulnerabilities to catastrophic events and improve its quality of life. While work in this important area is progressing, limited resources are available to support graduate students and researchers in this important area. Specifically, a limited number of books has been published in this area covering selected subjects. This comprehensive handbook offers gaps of available localization books presenting in-depth coverage from fundamentals of coordinates to advanced application examples.

IMPACTS OF SHIPPING ON MARINE FAUNA

Frontiers Media SA

INTELLIGENT COMPUTING IN ENGINEERING

SELECT PROCEEDINGS OF RICE 2019

Springer Nature This book comprises select papers from the international conference on Research in Intelligent and Computing in Engineering (RICE 2019) held at Hanoi University of Industry, Hanoi, Vietnam. The volume focuses on current research on various computing models such as centralized, distributed, cluster, grid and cloud. The contents cover recent advances in wireless sensor networks, mobile ad hoc networks, internet of things, machine learning, grid and cloud computing, and their various applications. The book will help researchers as well as professionals to gain insight into the rapidly evolving fields of internet computing and data mining.

THE GALAPAGOS MARINE RESERVE

A DYNAMIC SOCIAL-ECOLOGICAL SYSTEM

Springer Science & Business Media This book focuses on how marine systems respond to natural and anthropogenic perturbations (ENSO, overfishing, pollution, tourism, invasive species, climate-change). Authors explain in their chapters how this information can guide management and conservation actions to help orient and better manage, restore and sustain the ecosystems services and goods that are derived from the ocean, while considering the complex issues that affect the delicate nature of the Islands. This book will contribute to a new understanding of the Galapagos Islands and marine ecosystems.

MODERN TELEMETRY

BoD - Books on Demand Telemetry is based on knowledge of various disciplines like Electronics, Measurement, Control and Communication along with their combination. This fact leads to a need of studying and understanding of these principles before the usage of Telemetry on selected problem solving. Spending time is however many times returned in form of obtained data or knowledge which telemetry system can provide. Usage of telemetry can be found in many areas from military through biomedical to real medical applications. Modern way to create a wireless sensors remotely connected to central system with artificial intelligence provide many new, sometimes unusual ways to get a knowledge about remote objects behaviour. This book is intended to present some new up to date accesses to telemetry problems solving by use of new sensors conceptions, new wireless transfer or communication techniques, data collection or processing techniques as well as several real use case scenarios describing model examples. Most of book chapters deals with many real cases of telemetry issues which can be used as a cookbooks for your own telemetry related problems.

SATELLITE SYSTEMS FOR PERSONAL APPLICATIONS

CONCEPTS AND TECHNOLOGY

John Wiley & Sons Presents the concepts, technology, and role of satellite systems in support of personal applications, such as mobile and broadband communications, navigation, television, radio and multimedia broadcasting, safety of life services, etc. This book presents a novel perspective on satellite systems, reflecting the modern personal technology context, and hence a focus on the individual as end-user. The book begins by outlining key generic concepts before discussing techniques adopted in particular application areas; next, it exemplifies these techniques through discussion of state-of-art current and emerging satellite systems. The book concludes by contemplating the likely evolution of these systems, taking into consideration influences and trends in technology, in conjunction with growing user expectations. In addition to addressing satellite systems that directly interact with personal devices, the book additionally considers those indirect applications where there is an increasing interest by individuals - notably, in remote sensing. As such, the book uniquely encompasses the entire gamut of satellite-enabled personal / end-user applications. Key Features: Broad scope - views satellite systems generically with regards to their applicability across a wide range of personal application areas Strong foundation in underlying concepts State-of-the-art system examples Review of trends in relevant areas of satellite technology Revision questions at the end of each chapter The book is suited to individuals, engineers, scientists, service providers, system operators, application developers and managers interested or involved in the use of satellite technology for personal applications. It should also hold interest for use in research institutes interested in promoting inter-disciplinary cross-fertilization of ideas, as well as by financiers, policy makers, and strategists interested in gaining a better understanding of this technology.

BIRD ECOLOGY AND CONSERVATION

A HANDBOOK OF TECHNIQUES

OUP Oxford The aim of this book is to outline the main methods and techniques available to ornithologists. A general shortage of information about available techniques is greatly hindering progress in avian ecology and conservation. Currently this sort of information is disparate and difficult to locate with much of it widely dispersed in books, journals and grey literature. Sutherland and his editorial team bring together in a single authoritative source all the ornithological techniques the avian community will ever need. For use by graduate students, researchers and practising conservationists worldwide. *Bird Ecology and Conservation* is the first title in a new series of practical handbooks which include titles focusing on specific taxonomic groups as well as those describing broader themes and subjects. The series editor is William J Sutherland.

TAGGING AND TRACKING OF MARINE ANIMALS WITH ELECTRONIC DEVICES

Springer Science & Business Media The 2nd international tagging and tracking symposium was held in San Sebastian, Spain, in October 2007, seven years after the first symposium was held in Hawaii in 2000 (Sibert and Nielsen 2001). In the intervening seven years, there have been major advances in both the capability and reliability of electronic tags and analytical approaches for geolocation of tagged animals in marine habitats. Advances such as increased data storage capacity, sensor development, and tag miniaturization have allowed researchers to track a much wider array of marine animals, not just large and charismatic species. Importantly, data returned by these tags are now being used in population analyses and movement simulations that can be directly utilized in stock assessments and other management applications. Papers in this volume are divided into three sections, the first describing insights into behavior achieved using acoustic, archival, and novel tags, the second reporting on advances in methods of geolocation, while the final section includes contributions where tag data have been used in management of marine species. Accurate documentation of animal movements and behaviors in critical marine habitats are impossible to obtain with other technologies. The management and conservation of marine species are critical in today's changing ocean environment and as electronic tags become more accurate and functional for a diversity of organisms their application continues to grow, setting new standards in science and technology.

AVIAN MIGRATION

Springer Science & Business Media P. Berthold and E. Gwinnd Bird migration is an intriguing aspect of the living world - so much so that it has been investigated for as long, and as thoroughly, as almost any other natural phenomenon. Aristotle, who can count as the founder of scientific ornithology, paid very close attention to the migrations of the birds he observed, but it was not until the reign of Friedrich II, in the first half of the 13th century, that reliable data began to be obtained. From then on, the data base grew rapidly. Systematic studies of bird migration were introduced when the Vogelwarte Rossitten was founded, as the first ornithological biological observation station in the world (see first chapter "In Memory of Vogelwarte Rossitten"). This area later received enormous impetus when experimental research on the subject was begun: the large-scale bird-ringing experiment initiated in Rossitten in 1903 by Johannes Thienemann (who was inspired by the pioneering studies of C. C. M. Mortensen), the experiments on photoperiodicity carried out by William Rowan in the 1920s in Canada and retention and release experiments performed by Thienemann in the 1930s in Rossitten, the first experimental study on the orientation of migratory birds. After the Second World War, migration research, while continuing in the previous areas, also expanded into new directions such as radar ornithology, ecophysiology and hormonal control mechanisms, studies of evolution, genetics, telemetry and others.

MARINE GEOGRAPHY

GIS FOR THE OCEANS AND SEAS

ESRI, Inc. Explains how those studying the world's oceans and seas use geographic information systems to investigate the health of the environment and the potential threats to marine life.

WHOOPING CRANES: BIOLOGY AND CONSERVATION

BIODIVERSITY OF THE WORLD: CONSERVATION FROM GENES TO LANDSCAPES

Academic Press Whooping Cranes: Biology and Conservation covers one of the most endangered birds in North America, and the subject of intense research and highly visible conservation activity. The volume summarizes current biological information on Whooping Cranes and provides the basis for future research necessary for conservation of this species. This edited volume concentrates on work completed in the past 20 years in the areas of population biology, behavior and social structure, habitat use, disease and health, captive breeding, and Whooping Crane conservation. Much of the information presented comes from the study and management of remnant and reintroduced populations of Whooping Cranes in the field; some information is from experimentation and breeding of captive Whooping Cranes. Whooping Cranes: Biology and Conservation seeks to inform and galvanize action dedicated to meeting the challenges faced by Whooping Crane managers and conservationists. Thus, it describes one model of endangered species conservation and restoration that will interest a wide audience: professionals that work on cranes; researchers in the fields of small population biology, endangered species, and avian ecology; wildlife veterinarians and those involved in avian husbandry; administrators of management agencies or conservation organizations; conservationists in other fields; teachers of conservation biology or ornithology and their students; and the educated general public. Presents a comprehensive treatment of the biology and ecology of Whooping Cranes, including biology of both remnant and reintroduced populations of Whooping Cranes Describes efforts over the past 45 years on conservation and the challenges of reintroducing an endangered species Includes chapters from a variety of disciplinary and scale perspectives, ranging from evolution, to population ecology, behavior, habitat use, large landscape conservation, conflict, and conservation efforts Features contributions that are readable, yet technically complete and fully referenced Provides an example of partnership and collegial action that integrates information produced by scientific research and operational wildlife management Edited and written by the leading Whooping Crane scholars and practitioners focused on this high-profile species of conservation concern

PROCEEDINGS OF THE TWENTY-SECOND ANNUAL SYMPOSIUM ON SEA TURTLE BIOLOGY AND CONSERVATION

4 TO 7 APRIL 2002, MIAMI, FLORIDA, USA

THE BEHAVIOR AND SENSORY BIOLOGY OF ELASMOBRANCH FISHES: AN ANTHOLOGY IN MEMORY OF DONALD RICHARD NELSON

Springer Science & Business Media The elasmobranch fishes include the living sharks, skates and rays that are important members of nearly all marine ecosystems. Their large size, secretive behavior, and wide-ranging habits make them difficult to observe in the field or to maintain in captivity. Consequently, little is known about their natural behavior and how it is mediated by their sensory systems. This volume is dedicated to the scientific contributions and memory of Donald Nelson, a pioneer in the study of shark behavior, sensory biology, and remote instrumentation. The two opening papers review Don Nelson's unique scientific accomplishments and provide insight into his strong bias towards study of animals in the field. These are followed by 14 scientific papers on elasmobranch behavior, sensory biology, and current monitoring technologies. The papers on elasmobranch sensory biology and behavior address questions on hearing, the lateral line, electroreception, the brain, orientation behavior, chemical irritants, feeding, and reproduction. The latter section of the volume presents papers on conventional tagging techniques, ultrasonic telemetry, physiological telemetry, remote monitoring techniques, archival tagging and satellite tagging. The intent of this volume is to familiarize both new and established scientists with the sensory biology and behavior of sharks and rays, and to encourage further behavioral research on these animals in their natural environment.

DEVELOPMENT OF SATELLITE-LINKED METHODS OF LARGE CETACEAN TAGGING AND TRACKING IN OCS LEASE AREAS

FINAL REPORT

THE WILDLIFE TECHNIQUES MANUAL

VOLUME 1: RESEARCH. VOLUME 2: MANAGEMENT 2-VOL. SET

JHU Press Since its original publication in 1960, The Wildlife Techniques Manual has remained the cornerstone text for the professional wildlife biologist. Now fully revised and updated, this seventh edition promises to be the most comprehensive resource on wildlife biology, conservation, and management for years to come. Superbly edited by Nova J. Silvy, the thirty-seven authoritative chapters included in this work provide a full synthesis of methods used in the field and laboratory. Chapter authors, all leading wildlife professionals, explain and critique traditional and new methodologies and offer thorough discussions of a wide range of relevant topics, including: • experimental design • wildlife health and disease • capture techniques • population estimation • telemetry • vegetation analysis • conservation genetics • wildlife damage management • urban wildlife management • habitat conservation planning A standard text in a variety of courses, the Techniques Manual, as it is commonly called, covers every aspect of modern wildlife management and provides practical information for applying the hundreds of methods described in its pages. To effectively incorporate the explosion of new information in the wildlife profession, this latest edition is logically organized into a two-volume set: Volume 1 is devoted to research techniques and Volume 2 focuses on management methodologies. The Wildlife Techniques Manual is a resource that professionals and students in wildlife biology, conservation, and management simply cannot do without. Published in association with The Wildlife Society

ADVANCES IN UNDERSTANDING SEA TURTLE USE OF THE GULF OF MEXICO

Frontiers Media SA

CRC HANDBOOK OF MARINE MAMMAL MEDICINE

HEALTH, DISEASE, AND REHABILITATION, SECOND EDITION

CRC Press CRC Handbook of Marine Mammal Medicine, Second Edition is the only handbook specifically devoted to marine mammal medicine and health. With 66 contributors working together to craft 45 scientifically-based chapters, the text has been completely revised and updated to contain all the latest developments in this field. Building upon the solid foundation of the previous edition, the contents of this book are light-years ahead of the topics presented in the first edition. See what's new in the Second Edition: Marine mammals as sentinels of ocean health Emerging and resurging diseases Thorough revision of the Immunology chapter Diagnostic imaging chapters to illustrate new techniques Quick reference for venipuncture sites in many marine mammals Unusual mortality events and mass strandings New topics such as a chapter on careers Wider scope of coverage including species outside of the United States and Canada Filled with captivating illustrations and photographs, the Handbook guides you through the natural history of cetaceans, pinnipeds, manatees, sea otters, and polar bears. Prepared in a convenient, easy-to-use format, it is designed specifically for use in the field. Covering more than 40 topics, this one-of-a-kind reference is packed with data. The comprehensive compilation of information includes medicine, surgery, pathology, physiology, husbandry, feeding and housing, with special attention to strandings and rehabilitation. The CRC Handbook of Marine Mammal Medicine, Second Edition is still a must for anyone interested in marine mammals.

LAGRANGIAN ANALYSIS AND PREDICTION OF COASTAL AND OCEAN DYNAMICS

Cambridge University Press Written by a group of international experts in their field, this book is a review of Lagrangian observation, analysis and assimilation methods in physical and biological oceanography. This multidisciplinary text presents new results on nonlinear analysis of Lagrangian dynamics, the prediction of particle trajectories, and Lagrangian stochastic models. It includes historical information, up-to-date developments, and speculation on future developments in Lagrangian-based observations, analysis, and modeling of physical and biological systems. Containing contributions from experimentalists, theoreticians, and modellers in the fields of physical oceanography, marine biology, mathematics, and meteorology, this book will be of great interest to researchers and graduate students looking for both practical applications and information on the theory of transport and dispersion in physical systems, biological modelling, and data assimilation.