



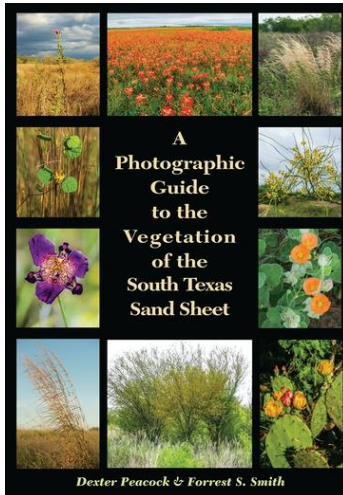
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## A Photographic Guide to the Vegetation of the South Texas Sand Sheet

By Dexter Peacock and Forrest Smith

The South Texas Sand Sheet, also known as the Coastal Sand Plains and the Llano Mesteño, is a vast region covering more than two million acres at the southern tip of the state, just north of the Lower Rio Grande Valley. The landscape's distinctive feature is the dunes created from sheets of sand blown inland from the shoreline of an ancient sea. Highly diverse native plant communities help make it one of the state's most cherished ecological regions as well as the premier hunting region in the world for northern bobwhites. The Sand Sheet is a constantly shifting semi-arid landscape, shaped by wind, ranching, energy production, and, increasingly, by growing urban populations surrounding the region.

Organized with the nonbotanist or beginning-level botanist in mind, *A Photographic Guide to the Vegetation of the South Texas Sand Sheet* includes 200 of the most common grasses, flowering plants, vines, cacti, and woody plants of the South Texas Sand Sheet, 56 of which are species endemic to Texas and 15 of which can only be found in this region. Species are grouped by physical appearance, allowing budding naturalists, landowners, and students to find a specific plant without needing to first understand how families and species are grouped scientifically. Each plant entry includes a representative sampling of photos for that species, showing how it might look from a distance, up close, and at different stages of its life cycle.

This handy snapshot of plant life in the South Texas Sand Sheet will enable anyone to easily identify Sand Sheet plants, learn more about their uses, and understand their value to the region.

<https://www.tamupress.com/book/9781623497828/a-photographic-guide-to-the-vegetation-of-the-south-texas-sand-sheet/>



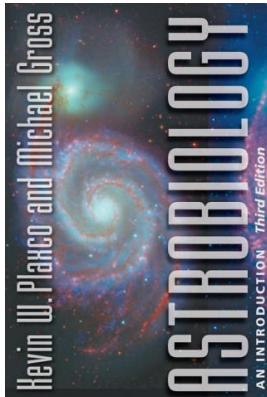
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## Astrobiology An Introduction

Kevin W. Plaxco

third edition

Publication Date

August 3, 2021

9781421441290

JOHNS HOPKINS

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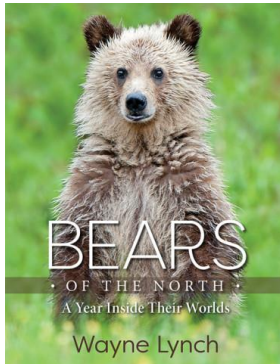
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Bears of the North A Year Inside Their Worlds

Wayne Lynch

9781421439419

October 5, 2021

JOHNS HOPKINS

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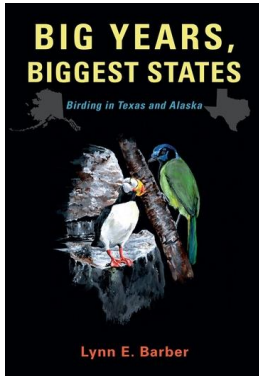
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## Big Years, Biggest States

Birding in Texas and Alaska

By Lynn E. Barber

Undertaking a Big Year requires a more extreme version of planning than what is needed to bird in a typical year. In a Big Year a birder is trying to see or hear new birds every day, day after day, throughout the whole year.

The first woman to complete a North American Big Year (continental United States and Canada) and identify over 700 species, Lynn E. Barber clocked more than 175,000 miles and ticked off a then record setting 723 species over twelve months in 2008. Yet even as an anomaly—a female birder in the then male-dominated world of competitive birding—she took the initiative to reimagine the whole idea of a Big Year in the two biggest states in the country.

At home in both Texas and Alaska, Barber offers an inside look into how to plan, execute, and thoroughly enjoy a year of finding the birds that inhabit two of the nation's most diverse landscapes. The drastic differences between the climate, geography, plant life, and habitat at the far northern and southern edges of the US mainland mean seeing a distinct number of birds in each state that are not found in the other. Yet as states with both coastal and international boundaries, Texas and Alaska provide countless opportunities to see the most seasonally varied, far flying, and specifically adapted birds in the world.

As Barber chronicles her travels throughout the Texan and Alaskan landscapes, serious and casual birders alike will appreciate her lively and informative prose and commitment to her distinct approach to the Big Year challenge.

<https://www.tamupress.com/book/9781623498573/big-years-biggest-states/>



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## BOOK OF BIRDS



*Introduction to Ornithology*  
John Faaborg Illustrations by Claire Faaborg

978-1-62349-776-7 Hardcover  
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472 pp. 126 color, 20 b&w  
photos. 17 maps. 8 tables.  
Bib. Index.  
Pub Date: 10/14/2020  
Available

## Book of Birds

Introduction to Ornithology

By John Faaborg

Illustrated by Claire Faaborg

In *Book of Birds: Introduction to Ornithology*, John Faaborg, renowned expert on avian ecology and conservation, brings a fresh and accessible sensibility to the study of ornithology. In this beautifully illustrated volume, Faaborg's approachable writing style will engage students and birders alike while introducing them to the study of the evolution, taxonomy, anatomy, physiology, diversity, and behavior of birds. With its unique focus on ecology, the text emphasizes birds' relationships with the environment and other species while showing the amazing diversity of avian life.

Faaborg pays special attention to the roles that competition, community structure, and reproductive behavior play in the astonishingly varied and interesting lives of birds seen around the world. He discusses variations in anatomy, morphology, and behavior; explains why such vast diversity exists; and explores the ways in which different birds can share the same spaces. Artist Claire Faaborg brings the science behind this diversity to life through her unique, hand-drawn artwork throughout the book.

Combining vibrant visuals and knowledgeable insights, *Book of Birds* offers readers a firm foundation in the field of ornithology and an invaluable resource for understanding birds from an ecological and evolutionary perspective.

<https://www.tamupress.com/book/9781623497767/book-of-birds/>



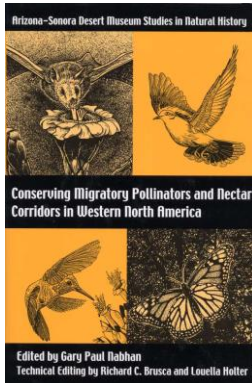
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## Conserving Migratory Pollinators and Nectar Corridors in Western North America

Gary Paul Nabhan

Paperback \$30.00

Published: 2020

Paperback

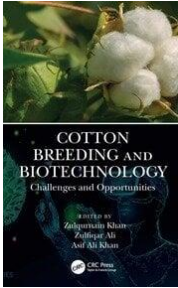
9780816542420

University of Arizona Press

**When migrating birds and other creatures** move along a path of plant communities in bloom, they follow what has come to be known as a nectar trail. Should any of these plants be eliminated from the sequence—whether through habitat destruction, pests, or even aberrant weather—the movement of these pollinators may be interrupted and their very survival threatened. In recent efforts by ecologists and activists to envision a continental-scale network of protected areas connected by wildlife corridors, the peculiar roles of migratory pollinators which travel the entire length of this network cannot be underestimated in shaping the ultimate conservation design.

This book, a unique work of comparative zoogeography and conservation biology, is the first to bring together studies of these important migratory pollinators and of what we must do to conserve them. It considers the similarities and differences among the behavior and habitat requirements of several species of migratory pollinators and seed dispersers in the West—primarily rufous hummingbirds, white-winged doves, lesser long-nosed bats, and monarch butterflies. It examines the population dynamics of these four species in flyways that extend from the Pacific Ocean to the continental backbone of the Sierra Madre Oriental and Rocky Mountains, and it investigates their foraging and roosting behaviors as they journey from the Tropic of Cancer in western Mexico into the deserts, grasslands, and thornscrub of the U.S.-Mexico borderlands. The four pollinators whose journeys are traced here differ dramatically from one another in foraging strategies and stopover fidelities, but all challenge many of the truisms that have emerged regarding the status of migratory species in general. The rufous hummingbird makes the longest known avian migration in relation to body size and is a key to identifying nectar corridors running through northwestern Mexico to the United States. And there is new evidence to challenge the long-supposed separation of eastern and western monarch butterfly populations by the Rocky Mountains as these insects migrate.

*Conserving Migratory Pollinators and Nectar Corridors in Western North America* demonstrates new efforts to understand migratory species and to determine whether their densities, survival rates, and health are changing in response to changes in the distribution and abundance of nectar plants found within their ranges. Representing collaborative efforts that bridge field ecology and conservation biology in both theory and practice, it is dedicated to safeguarding dynamic interactions among plants and pollinators that are only now being identified.



Cotton Breeding and Biotechnology Challenges and Opportunities  
Zulqurnain Khan  
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ISBN 9780367562229  
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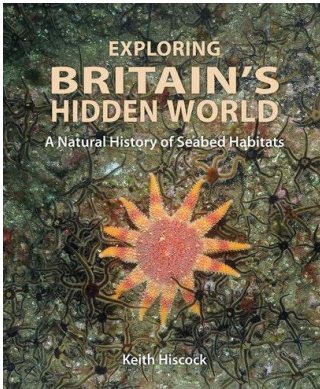
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<https://www.routledge.com/Cotton-Breeding-and-Biotechnology-Challenges-and-Opportunities/Khan-Ali-Khan/p/book/9780367562229>





Exploring Britain's Hidden World: A Natural History of Seabed Habitats

Keith Hiscock

Princeton

9780995567344

Mar 26, 2018

Price: \$32.50

Britain's shallow seas are a mysterious domain. They remain largely unseen and unexplored except by marine scientists and divers, who have been documenting their wondrous discoveries over many years. Now, a wealth of information about what lives on and in the seabed has been brought together in one sumptuously illustrated volume.

Keith Hiscock describes the incredible variety of marine life that exists around Great Britain, providing a foundation of knowledge for those interested in the natural history of the shallow seabed. He explains how findings are gathered and organised, as well as showing what is out there and how it works. Fascinating, beautiful and often fragile, the habitats and marine life described are essential to the health and productivity of our oceans. Without an adequate, shared understanding of what and where they are, how can we identify and protect them?

*Exploring Britain's Hidden World* is the culmination of 50 years of research by the author to better understand where different subtidal seabed habitats occur and how their associated marine life has come to exist. That quest draws on a rich vein of knowledge obtained by many naturalists, scientists and divers who, for almost 200 years, have described seabed communities and sought to understand their structure and function.

Using a minimum of technical terminology, Keith Hiscock combines his interests in marine biology, diving and photography to inform, inspire, and leave a vivid and lasting impression of the marine habitats and species around Britain. He hopes this book will provide new insights, much pleasure, and perhaps some surprises too.

<https://press.princeton.edu/books/hardcover/9780995567344/exploring-britains-hidden-world>



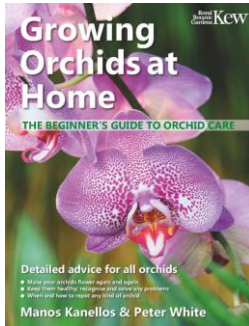
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Growing Orchids at Home  
The Beginner's Guide to Orchid Care  
Manos Kanellos  
Royal Botanic Gardens, Kew  
ISBN: 9781842467183  
Published February 2021

*Growing Orchids at Home* provides expert advice for homebound flower fanatics.

Orchids are one of the most diverse and prolific groups of the plant kingdom, prized for the staggering variety of their appearance and fragrance. *Growing Orchids at Home* provides an authoritative but approachable guide to caring for these beguiling plants in your own personal abode. Bringing together their own botanical experiences with extensive research and experimentation, Manos Kanellos and Peter White address the most common issues that can bedevil orchid growers. They also identify warning signs for ailing flowers, and they offer diagnoses and treatments to ensure that homegrown blooms stay healthy. Kanellos and White focus on the types of orchids found most frequently in garden centers and supermarkets, accompanying the text with two hundred color illustrations. Blending biological expertise with accessible advice, this book is the only guide the aspiring orchid-head will need on their shelves.

<https://press.uchicago.edu/ucp/books/book/distributed/G/bo91297221.html>



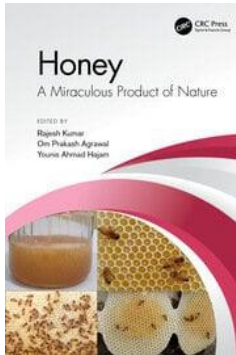
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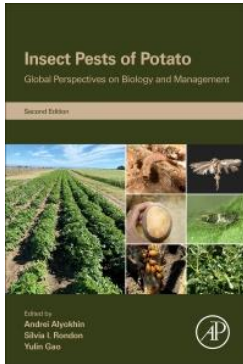


Honey A Miraculous Product of Nature  
Rajesh Kumar  
Copyright Year 2022  
ISBN 9781032008257  
CRC Press

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## Insect Pests of Potato

Global Perspectives on Biology and Management

2nd Edition - March 25, 2022

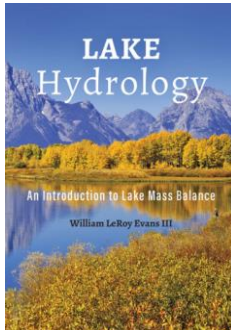
★★★★★ [Write a review](#)

Editors: Andrei Alyokhin, Silvia Rondon, Yulin Gao

Paperback ISBN: 9780128212370

Part I. Potato as an important staple crop. Chapter 1. Potatoes: past, present, and the future by Alyokhin, Rondon, and Gao. A brief prologue to the book. Chapter 2. Growing potatoes by Sharma and Bali. Basic overview of agronomic issues as they relate to potato production. Directed to people new to the subject, such as students or early career professionals entering potato research. Part II. Biology of major pests. Each chapter in this section will include information on history of interactions with humans, current distribution, pest status, bionomics, ecology, behavior, adaptability, etc. Chapter 3. Colorado potato beetle by Alyokhin, Rondon, Udalov, and Benkovskaya. Chapter 4. Aphids by Groves, Wenninger, Rondon, and Alvarez Chapter 5. Potato psyllids by Wenninger and Rashed Chapter 6. Wireworms by Vernon Chapter 7. Potato tuberworm by Rondon, Gao, and Kroschel Chapter 8. Hemiptera other than aphids and psyllids by Rondon, Oppedisiano and Schrestra Chapter 9. Other pests by Rondon Part III. Management approaches. Self-explanatory. Chapter 10. Chemical control by Kuhar Chapter 11. Double-stranded DNA by Jurat-Fuentes Chapter 12. Biological control by Weber Chapter 13. Plant resistance by Tai Chapter 14. Biopesticides by Goettel Chapter 15. Physical Control by Wentraub Chapter 16. Cultural control and other non-chemical methods by Khelefi Part IV. Problems and solutions in major potato-producing areas of the world. Each chapter will include a brief overview of potato production (size and structure of farms and other units of production, level of mechanization, dominant cultural techniques, etc.), abundance and relative importance of various pests, and common pest management practices. Chapter 17. South America, Central America, and Mexico by Rondon Chapter 18. United States and Canada by Groves Chapter 19. European Union by Lindstrom Chapter 20. Russian Federation, Ukraine, and Belarus by Alyokhin and Benkovskaya Chapter 21. China and Central Asia by Gao, Zhou, Zhang Chapter 22. India and Southeast Asia by Kroschel Chapter 23. Australia and New Zealand by Dohmen-Vereijssen Chapter 24. Africa by Okonya Part V. Basic science in potato pest management Chapter 25. Evolutionary considerations by Alyokhin, Chen, Udalov, Benkovskaya, and Lindstrom. Update of the chapter from the first edition to include recent phylogenetic findings. Chapter 26. Ecology of a potato field by Alyokhin. Interconnections among biotic and abiotic components of a potato ecosystem, with an emphasis on their implications for pest management. Chapter 27. When a superpest fails: Ecological and evolutionary factors mitigating Colorado potato beetle adaptation to insecticides by Crossley, Cohen, Pelissie, Rondon, Hawthorne, Chen, Alyokhin, and Schoville.

<https://www.elsevier.com/books/insect-pests-of-potato/alyokhin/978-0-12-821237-0>



Lake Hydrology  
An Introduction to Lake Mass Balance  
William LeRoy Evans III  
June 3, 2021  
JOHNS HOPKINS  
9781421439938

Preface  
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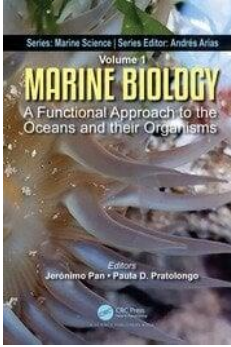
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Jerónimo Pan  
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CRC Press.

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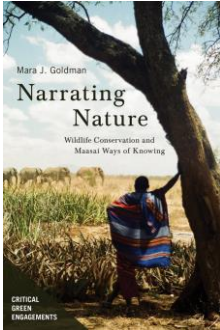
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Narrating Nature Wildlife Conservation and Maasai Ways of Knowing  
Mara Jill Goldman  
THE UNIVERSITY PRESS OF ARIZONA  
9780816539673  
2022

The current environmental crises demand that we revisit dominant approaches for understanding nature-society relations. *Narrating Nature* brings together various ways of knowing nature from differently situated Maasai and conservation practitioners and scientists into lively debate. It speaks to the growing movement within the academy and beyond on decolonizing knowledge about and relationships with nature, and debates within the social sciences on how to work across epistemologies and ontologies. It also speaks to a growing need within conservation studies to find ways to manage nature *with* people.

This book employs different storytelling practices, including a traditional Maasai oral meeting—the *enkiguena*—to decenter conventional scientific ways of communicating about, knowing, and managing nature. Author Mara J. Goldman draws on more than two decades of deep ethnographic and ecological engagements in the semi-arid rangelands of East Africa—in landscapes inhabited by pastoral and agropastoral Maasai people and heavily utilized by wildlife. These iconic landscapes have continuously been subjected to boundary drawing practices by outsiders, separating out places for people (villages) from places for nature (protected areas). *Narrating Nature* follows the resulting boundary crossings that regularly occur—of people, wildlife, and knowledge—to expose them not as transgressions but as opportunities to complicate the categories themselves and create ontological openings for knowing and being with nature otherwise.

<https://uapress.arizona.edu/book/narrating-nature>



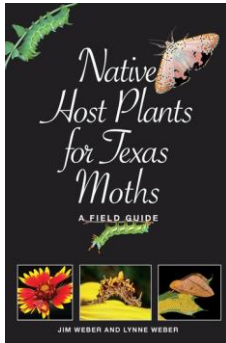
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6 x 9 x 0 in  
308 pp. 611 color photos. 100  
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Available

## Native Host Plants for Texas Moths

A Field Guide

By Lynne M. Weber and Jim Weber

While day-flying butterflies have long captured the attention of nature enthusiasts, moth species outnumber butterfly species by about fifteen to one, with many being overlooked due to their mostly nocturnal habits. Although they are far less noticeable to us, moths are essential to many other species, including the plants they pollinate and the animals they nourish. In their caterpillar or larval form they provide a primary source of sustenance for birds, and as adults they feed everything from tiny bats to large mammals.

Native plants are of utmost importance for moths, as they evolved alongside them, and they are the principal factor for dictating moth species range and distribution. Like butterflies, moths require native plant species they recognize in order to lay their eggs. This user-friendly, heavily illustrated follow-up to Lynne and Jim Weber's highly successful *Native Host Plants for Texas Butterflies* describes over 100 native, larval host plants for moths in Texas. More than 150 moth species are illustrated in the book, both larval and adult phases, with one to two species for each of the larval host plants.

Today there are about 4,700 species of moths recognized in Texas, with new species and their host plant associations still being discovered. *Native Host Plants for Texas Moths* will prove to be an informative introduction to this less widely known world of moths and their host plants, providing a better understanding of how to discover, support, and protect these important insects.

<https://www.tamupress.com/book/9781623499860/native-host-plants-for-texas-moths/>



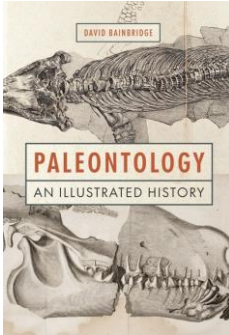
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## Paleontology An Illustrated History

David Bainbridge

PRINCETON UNIVERSITY PRESS

2022

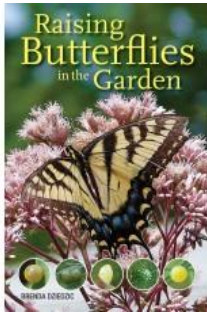
9780691220925

Humans have been stumbling upon the petrified remains of ancient animals since prehistoric times, leading to tales of giant dogs, deadly dragons, tree gods, sea serpents, and all manner of strange and marvelous creatures. In this richly illustrated book, David Bainbridge recounts how legends like these gradually gave rise to the modern science of paleontology, and how this pioneering discipline has reshaped our view of the natural world.

Bainbridge takes readers from ancient Greece to the eighteenth century, when paleontology began to coalesce into the scientific field we know today, and discusses how contemporary paleontologists use cutting-edge technologies to flesh out the discoveries of past and present. He brings to life the stories and people behind some of the greatest fossil finds of all time, and explains how paleontology has long straddled the spheres of science and art. Bainbridge also looks to the future of the discipline, discussing how the rapid recovery of DNA and other genetic material from the fossil record promises to revolutionize our understanding of the origins and evolution of ancient life.

This panoramic book brings together stunning illustrations ranging from early sketches and engravings to eye-popping paleoart and high-tech computer reconstructions.

<https://press.princeton.edu/books/hardcover/9780691220925/paleontology>



Raising Butterflies in the Garden  
Brenda Dziedzic  
Firefly Books  
2019  
9780228102250

A guide to rearing butterflies and moths in a butterfly-friendly garden.

This exciting title is for butterfly lovers and gardeners who not only want to create a butterfly-friendly garden, but also want to support butterflies and moths in order to maintain healthy populations.

Author Brenda Dziedzic noticed that there were far fewer butterflies around today than she saw in her childhood. Starting in her own garden she set out to learn why and what she could do to fix this. *Raising Butterflies in the Garden* is the outcome of what she learned about these fascinating insects and the native plants they depend on. In this book, Dziedzic shares the vast experience she gained in helping butterflies thrive through all stages of life. She shows readers how they can do the same -- no matter the time of year or the size of their property -- by providing all of the information and practical guidance they need.

The book features more than 500 color photographs showing the life cycles of over 35 butterflies and moths -- from egg to adult -- as well as the host and nectar plants they rely on. Each profiled species also includes a North American range map.

Featured butterfly and moth species include:

- ☑ Swallowtails -- Black Swallowtail, Eastern Tiger Swallowtail and Spicebush Swallowtail
- ☑ Whites/Sulphurs -- Cabbage White, Great Southern White and Clouded Sulphur
- ☑ Blues -- Eastern Tailed-Blue, Karner Blue and Summer Azure
- ☑ Brushfoots -- American Lady, Monarch and Red Admiral
- ☑ Skippers -- Common Checkered-Skipper, Silver-Spotted Skipper and Wild Indigo Duskywing
- ☑ Silk Moths -- Cecropia Moth, Luna Moth and Polyphemus Moth
- ☑ Sphinx Moths -- Hummingbird Clearwing
- ☑ Tussock Moths -- Gypsy Moth.

Like the highly successful *How to Raise Monarch Butterflies*, *Raising Butterflies in the Garden* is bound to become an excellent seller in retail settings as well as a popular reference in libraries and schools.

*"There is no better way to develop an emotional connection with the little things that run the world than to nurture butterflies and moths from egg to adult as if they were your own children. With necessary details and lavish illustrations, Brenda Dziedzic shows us how!"*

-- Dr. Doug Tallamy, professor in the Department of Entomology and Wildlife Ecology at the University of Delaware and author of *Bring Nature Home: How Native Plants Sustain Wildlife in Our Gardens*

<https://www.fireflybooks.com/catalogue/product/13917-raising-butterflies-in-the-garden>



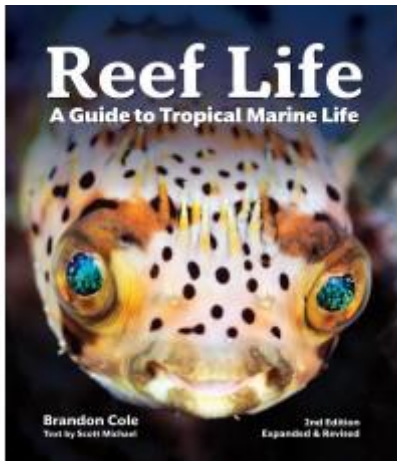
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Reef Life A Guide to Tropical Marine Life

Statement: Brandon Cole

PAPERBACK : \$ 39.95

9780228102946

Firefly Books

2020

*"Anyone fascinated by the underwater world will be riveted by the photos in this richly illustrated guide... Readers can lose themselves in the magnificent environment beneath the sea...."*

--Publishers Weekly on the first edition of Reef Life

The lure of the life that inhabits the ocean's reefs and open waters is no secret to scuba enthusiasts and snorkelers who enjoy gazing upon this wonderful world through their dive masks. This practical and comprehensive guidebook for divers, naturalists and ocean lovers identifies the most commonly encountered animals and other organisms in the tropical marine environment and identifies them in more than 1,000 beautiful color photographs to provide a window into this magnificent world.

This updated edition features new photos, 33 new species profiles and an extended chapter about the state of the ocean and reefs on our rapidly changing planet. *Reef Life* is a handy, portable and comprehensive reference in a time when understanding and appreciating the diversity of our tropical oceans is at a critical point.

A gallery of over 425 ray-finned fish species, as well as elasmobranchs (sharks, rays and skates), invertebrates, marine reptiles and marine mammals, offers readers an extensive identification guide to the most commonly seen marine species, with detailed descriptions of size, habitat, range and behavior.

<https://www.fireflybooks.com/catalogue/adult-books/nature-and-science/marine-life/product/14029-reef-life-a-guide-to-tropical-marine-life>



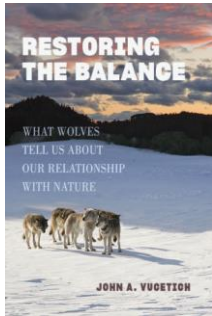
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Restoring the Balance  
What Wolves Tell Us about Our Relationship with Nature  
John A. Vucetich  
October 12, 2021  
JOHNS HOPKINS  
9781421441559

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3. Beginnings  
4. Balance of Nature  
5. Exogenous Forces  
6. The Old Gray Guy  
7. The Unraveling  
8. Sense of Place  
9. All Natural  
10. Restoring the Balance  
Coda

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Strange Sea Creatures  
Erich Hoyt  
9780228102977  
FIREFLY BOOKS  
2020

"A young wunderpus octopus, staring you right in the eye, is the perfect choice for the opening spread of Eric Hoyt's latest book celebrating the oceans' wonders... Page after page, we see the surprising shapes, colors and intricate details of secretive animals -- many in their juvenile forms -- that dash to the surface on nocturnal forays. Hoyt's curated collection of images from various underwater photographers continues into the deep twilight zone and onto the seabed, showcasing the mesmerizing range of life far beneath the waves."

--BBC Wildlife Magazine

Marine researchers are discovering new ocean creatures every day, especially at its deepest depths. From the author of *Creatures of the Deep*, *Encyclopedia of Whales, Dolphins and Porpoises* and other books about the ocean and the animals that live there, comes a new title about some of the most unusual marine life forms.

The book organizes the creatures into three parts based on where they live in the ocean. Informative captions accompany the 90 gorgeous photographs of otherworldly creatures.

Part 1: Surface Waters of the Ocean at Night: The Blackwater Vertical Migrators

In images taken by dedicated blackwater photographers Linda Ianniello and Susan Mears, these mostly larval creatures haunt the near-surface waters making vertical migrations every night to feed.

Part 2: Middle to Deep Dark Waters: Masters of the Language of Light

In this perpetual night, survival is a matter of being able to understand and process light signals, some in different colors, some flashing, some faint -- the most sophisticated use of bioluminescence on Earth. The sea creatures here are small with big eyes and even larger mouths with extraordinarily sharp teeth.

Part 3. The Continental Shelf to the Abyssal Plain: The Bottom Dwellers

This bottom of the sea has fewer fish, and is populated by such alien-like creatures as no-eyed or tripod fish, sea cucumbers, as well as basket stars, crabs, and worms with species varying by depth and location.

The photographs were taken in the ocean by expert divers and submariners, most of whom are both scientists and underwater photographers. The images display the creatures vividly against a background as black as the ocean depths. *Strange Sea Creatures* received an Honorable Mention in the "Best Children's-Young Adult Nonfiction Book" category in the American Society of Journalists and Authors Annual Writing Awards (2021).

<https://www.fireflybooks.com/catalogue/adult-books/nature-and-science/marine-life/product/14031-strange-sea-creatures>



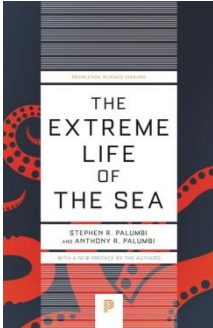
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The Extreme Life of the Sea

Anthony R. Palumbi

\$17.95

Oct 26, 2021

9780691229232.

The ocean teems with life that thrives under difficult situations in unusual environments. *The Extreme Life of the Sea* takes readers to the absolute limits of the ocean world—the fastest and deepest, the hottest and oldest creatures of the oceans. It dives into the icy Arctic and boiling hydrothermal vents—and exposes the eternal darkness of the deepest undersea trenches—to show how marine life thrives against the odds. This thrilling book brings to life the sea's most extreme species, and tells their stories as characters in the drama of the oceans. Coauthored by Stephen Palumbi, one of today's leading marine scientists, *The Extreme Life of the Sea* tells the unforgettable tales of some of the most marvelous life forms on Earth, and the challenges they overcome to survive. Modern science and a fluid narrative style give every reader a deep look at the lives of these species.

*The Extreme Life of the Sea* shows you the world's oldest living species. It describes how flying fish strain to escape their predators, how predatory deep-sea fish use red searchlights only they can see to find and attack food, and how, at the end of her life, a mother octopus dedicates herself to raising her batch of young. This wide-ranging and highly accessible book also shows how ocean adaptations can inspire innovative commercial products—such as fan blades modeled on the flippers of humpback whales—and how future extremes created by human changes to the oceans might push some of these amazing species over the edge.

<https://press.princeton.edu/books/paperback/9780691229232/the-extreme-life-of-the-sea>





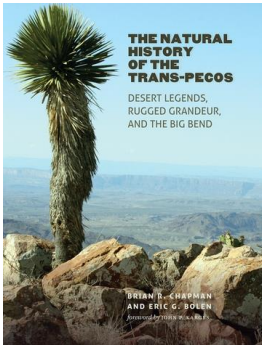
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Available

## The Natural History of the Trans-Pecos

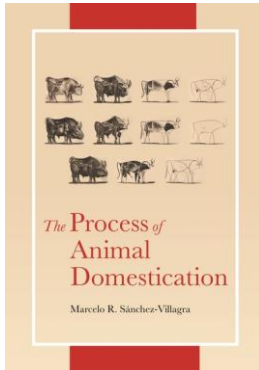
Desert Legends, Rugged Grandeur, and the Big Bend

By Brian R. Chapman and Eric G. Bolen

In the last frontier in Texas, the Trans-Pecos region is an immense and remote series of desert basins in the western-most part of the state. Columns of rock and stony debris dot the landscape, with various peaks, such as the notable El Capitan, rising from a long-forgotten sea floor. While the acidic and shallow desert soil only allows for scrubby vegetation in many places, what survives is rugged, colorful, and adaptable. Far from just an arid region, however, the Trans-Pecos is also home to grasslands, wetlands, and even woodlands. Animal life varies considerably, from the Black-tailed Jackrabbit and Desert Cicada to Bighorn Sheep, Black Bears, and Mountain Lions.

Complete with an introduction chronicling the stories of biologists and naturalists who have explored and defined the ecological areas of Texas over time, *The Natural History of the Trans-Pecos* explores the formation of the region more than 600 million years ago, the adaptability of its ecosystems, and the conservation efforts to keep these wildly diverse environments flourishing. Detailed descriptions, vivid anecdotes, and vibrant pictures of the features that make this region so unique emphasize the rugged grandeur of the Trans-Pecos.

<https://www.tamupress.com/book/9781623498610/the-natural-history-of-the-trans-pecos/>



The Process of Animal Domestication  
Marcelo Sánchez-Villagra  
9780691217673  
PRINCETON  
2022

Across the globe and at different times in the past millennia, the evolutionary history of domesticated animals has been greatly affected by the myriad, complex, and diverse interactions humans have had with the animals closest to them. *The Process of Animal Domestication* presents a broad synthesis of this subject, from the rich biology behind the initial stages of domestication to how the creation of breeds reflects cultural and societal transformations that have impacted the biosphere.

Marcelo Sánchez-Villagra draws from a wide range of fields, including evolutionary biology, zooarchaeology, ethnology, genetics, developmental biology, and evolutionary morphology to provide a fresh perspective to this classic topic. Relying on various conceptual and technical tools, he examines the natural history of phenotypes and their developmental origins. He presents case studies involving mammals, birds, fish, and insect species, and he highlights the importance of domestication for the comprehension of evolution, anatomy, ontogeny, and dozens of fundamental biological processes.

Bringing together the most current developments, *The Process of Animal Domestication* will interest a wide range of readers, from evolutionary biologists, developmental biologists, and geneticists to anthropologists and archaeologists.

<https://press.princeton.edu/books/paperback/9780691217673/the-process-of-animal-domestication>



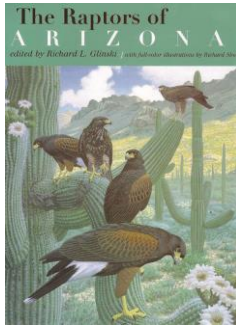
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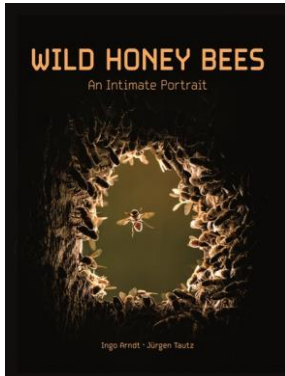
The Raptors of Arizona  
Richard L. Glinski  
Hardcover USD \$75.00  
TE UNIVERSITY OF ARIZONA PRESS  
9780816513222  
2021.

**Thousands of birdwatchers** come to Arizona each year seeking rare or intriguing species, and for those watching the skies the additional sighting of a bird of prey is a reward in itself. The Grand Canyon state boasts the most dramatic assortment of raptors in North America: hawks, eagles, falcons, kites, and owls, plus vultures and condors. Here can be found nearly all the raptor species of the continental United States and also established populations of species associated with Mexico, such as the Gray Hawk, Common Black-Hawk, Zone-tailed Hawk, and Whiskered Screech-Owl.

Arizona's raptors are found in an unrivaled diversity of habitats, from saguaro cactus forests where tiny Elf Owls nest to the Vermilion Cliffs, where the gigantic California Condor was introduced in 1996. Yet many species live in habitats that are now jeopardized by degradation or development, making an understanding and appreciation of raptors crucial to their survival.

*The Raptors of Arizona* brings together the knowledge and insights of 29 raptor and wildlife authorities who provide original information and syntheses on Arizona's 42 raptor species, with an emphasis on aspects of their natural history in Arizona. A chapter on each bird includes its description, a range map, and information on its distribution, habitat, life history, and status. Additional chapters cover conservation, habitats, where and when to watch raptors, and the sport of falconry. The book is enhanced by 42 full-color illustrations by Richard Sloan, one of the premier wildlife artists in North America, whose paintings were commissioned by the Arizona Wildlife Foundation specifically for this project. Co-published with the Arizona Game and Fish Department.

<https://uapress.arizona.edu/book/the-raptors-of-arizona>



Wild Honey Bees: An Intimate Portrait  
Ingo Arndt  
Feb 1, 2022  
9780691235080  
PRINCETON UNIVERSITY PRESS

The honey bee, a key pollinator, is now an endangered species, threatened by human activity and loss of biodiversity. Because of this, understanding forest-dwelling wild honey bees—which are more resistant to diseases and parasites than honey bees kept by beekeepers—is more important than ever before. In this lavishly illustrated book, Ingo Arndt, one of the world’s best wildlife photographers, and Jürgen Tautz, one of the world’s leading bee experts, set out on the trail of wild honey bees, bringing back sensational photographs, some of which document behaviors never captured before, and new scientific insights that promise to revolutionize conservation and beekeeping.

A remarkable number of wild honey bee colonies still exist, living in hollow trees inside the forest, largely unnoticed by humans. This book explores the fascinating secret world of wild honey bees, including the adaptations and behaviors they have acquired to survive and the new challenges they face today. Featuring incredible macro and wide-angle photographs, some taken from inside hives, *Wild Honey Bees* is a unique collaboration that documents a major research project and offers critical new insights about these essential creatures.

- A stunning photographic record that documents for the first time the original way of life of the endangered, forest-dwelling honey bee
- A unique collaboration between one of the world’s best wildlife photographers and one of its leading bee experts
- Features incredible macro and wide-angle photographs, some from inside the hive, depicting bees as never seen before
- Offers fascinating new insights into the mysterious, hidden world of the wild honey bee

<https://press.princeton.edu/books/hardcover/9780691235080/wild-honey-bees>